

Trustees, Administration, Faculty

792



OFFICERS

David W. Thompson
Chair

Barbara M. Barrett
Vice Chair

Thomas F. Rosenbaum
President

David A. Tirrell
Provost

Dexter A. Bailey, Jr.
*Vice President for Advancement and
Alumni Relations*

Matthew Brewer
Controller

Kevin M. Gilmartin
Vice President for Student Affairs

Diana Jergovic
*Vice President, Strategy
Implementation*

Laurie Leshin
*Vice President and Director, Jet
Propulsion Laboratory*

Cathy A. Light
Secretary, Board of Trustees

Jennifer T. Lum
General Counsel

Sharon E. Patterson
Treasurer

Scott H. Richland
Chief Investment Officer

Margo Steurbaut
*Vice President of Administration and
Chief Financial Officer*

BOARD OF TRUSTEES

TRUSTEES

(Listed with date of first election)

Sean Bailey (2015)
President
*Walt Disney Studios Motion
Picture Production*

Barbara M. Barrett (2014)
Ambassador

Rebecka Beldegrun (2016, 2022)
President and Chief Executive Officer
Bellco Capital, LLC

Robert C. Bonner (2008, 2014)
Senior Partner
Sentinel HS Group, LLC

Lynn A. Booth (2011)
The Otis Booth Foundation

Brigitte M. Bren (2009)
President and Chief Executive Officer
International Strategic Planning

Milton M. Chang (2005, 2015)
Managing Director
Incubic Venture Capital

Peggy T. Cherng (2012, 2019)
Co-Chairman
Panda Restaurant Group

Robert B. Chess (2006)
Chairman
Nektar Therapeutics

France Córdova (2020)
*Former Director, National Science
Foundation*
President Emerita, Purdue University

William H. Davidow (1996, 2007)
Founding Partner
Mohr Davidow Ventures

David T. Dreier (2013)
Chairman
Annenberg-Dreier Commission

Joshua S. Friedman (2011)
*Co-Founder, Co-Chairman and
Co-Chief Executive Officer*
Canyon Partners, LLC

William T. Gross (1994)
Founder and Chief Executive Officer
Idealab

Frederick J. Hameetman (2006, 2012)
Chairman
Cal-American

David D. Ho (1997)
Scientific Director
Aaron Diamond AIDS Research Center
*Clyde and Helen Wu Professor of
Medicine*
*Columbia University Vagelos College
of Physicians and Surgeons*

Maria D. Hummer-Tuttle (2012, 2016)
Chair Emerita
J. Paul Getty Trust

Bobby R. Inman (1989, 2003)
*Professor, Lyndon B. Johnson
Centennial Chair in National Policy*
The University of Texas at Austin

Robert T. Jenkins (2005, 2015)

G. Bradford Jones (2014)
Founding Partner
Redpoint Ventures

Peter D. Kaufman (2008)
*Chairman and Chief Executive Officer
Glenair, Inc.*

Joseph E. Kiani (2021)
Masimo Corporation

Louise Kirkbride (1995)
Entrepreneur

Walter G. Kortschak (2012)
*Senior Advisor and Former Managing
Partner
Summit Partners, L.P.*

Kent Kresa (1994, 2010)
*Chair Emeritus
Northrop Grumman Corporation*

Jon B. Kutler (2005)
*Chairman and Chief Executive Officer
Admiralty Partners, Inc.*

Taylor W. Lawrence (2017)

David L. Lee (2000)
*Chair Emeritus
Managing General Partner
Clarity Partners, L.P.*

A. Michael Lipper (2005, 2007)
*President and Chief Executive Officer
Lipper Advisory Services*

Li Lu (2018)
*Founder and Chairman
Himalaya Capital Management, LLC*

Shirley M. Malcom (1999, 2018)
*Senior Advisor and Director of SEA
Change
American Association for the
Advancement of Science*

Fariborz Maseeh (2021)
*Founder
The Massiah Foundation*

Michelle J. Mathews-Spradlin (2016)

Deborah D. McWhinney (2007)
*Former Chief Executive Officer
Citi Enterprise Payments
Citi Bank*

Alexander R. Mehran, Sr. (2017)
*Chairman of the Board
Sunset Development Company*

Richard N. Merkin (2007, 2018)
*Founder and Chief Executive Officer
Heritage Provider Network*

Kenneth G. Moore (2014)
*Chief Program Officer Bay Area
Chief Administrative Officer
Trustee
Gordon and Betty Moore Foundation*

Prineha Narang (2023)
*Howard Reiss Chair
University of California, Los Angeles*

Peter Norton (2006, 2015)
Norton Family Office

Ronald L. Olson (1998, 2013)
*Senior Partner
Munger, Tolles & Olson LLP*

Stephen R. Onderdonk (1986, 2016)
*President and Chief Executive Officer
(Retired)
Econolite Control Products, Inc.*

Pedro J. Pizarro (2009)
*President and Chief Executive Officer
Edison International*

David E. I. Pyott, CBE (2018)
Private Investor

Eduardo A. Repetto (2015)
*Chief Investment Officer
Avantis Investors*

Stewart A. Resnick (2005, 2008)
*Chairman and President
The Wonderful Company*

Thomas F. Rosenbaum (2014)
*President
Sonja and William Davidow
Presidential Chair and Professor of
Physics
California Institute of Technology*

Richard H. Scheller (2014)

Amy Schulman (2023)
*Managing Partner,
Polaris Partners*

Timothy J. Sloan (2016)
*Senior Advisor and Partner
Fortress Investments, LLC*

Mason Smith (2021)

David W. Thompson (2012)
*President and Chief Executive Officer
(Retired)
Orbital ATK*

Charles R. Trimble (2002, 2013)
*Founder and Former Chief Executive
Officer
Trimble Navigation Ltd.*

Richmond A. Wolf (2018)
*Partner
Capitol World Investors*

Suzanne H. Woolsey (2006, 2013)
Corporate Governance Consultant

Kneeland Youngblood (2020)
*Founding Partner, Chairman and CEO
Pharos Capital Group, LLC*

LIFE MEMBERS

(With date of first election and date of election as Life Member)

George L. Argyros (1992, 2008)
*Chairman and Chief Executive Officer
Arnel and Affiliates*

Donald L. Bren (1983, 2004)
*Chairman of the Board
Irvine Company*

John E. Bryson (2005, 2017)

Harry M. Conger (1985, 2006)
*Chairman & Chief Executive Officer,
Emeritus
Homestake Mining Company*

Thomas E. Everhart (1998, 2021)
*President Emeritus
California Institute of Technology*

Camilla C. Frost (1977, 2007)
Trustee of the Chandler Trust (Retired)

Arthur L. Goldstein (1995, 2012)
*Chairman and Chief Executive Officer
(Retired)
Ionics, Incorporated*

B. Kipling Hagopian (2012, 2021)
*Managing Partner
Apple Oaks Partners LLC*

York Liao (1997, 2018)
*Managing Director
Winbridge Company Ltd.*

Ronald K. Linde (1989, 2022)
*Vice Chair Emeritus
Independent Investor
Chair, The Ronald and Maxine Linde
Foundation
Founder/Former Chief Executive
Officer
Envirodyne Industries, Inc.*

Patrick H. Nettles, Jr. (1998, 2021)
*Executive Chairman
Ciena Corporation*

Sidney R. Petersen (1980, 2007)
*Chairman and Chief Executive Officer
(Retired)
Getty Oil Company*

Arthur Rock (1988, 1998)
*Principal
Arthur Rock and Company*

Benjamin Rosen (1986, 2005)
*Chair Emeritus
Chairman Emeritus
Compaq Computer Corporation,
General Motors Corporation*

Robert J. Schultz (1991, 2002)
*Vice Chairman (Retired)
General Motors Corporation*

Dennis Stanfill (1976, 1999)
Dennis Stanfill Company

Marc I. Stern (2004, 2017)
*Chairman
The TCW Group, Inc.*

**Lewis W. van Amerongen (2004,
2021)**
LvA Enterprises, Inc.

Walter L. Weisman (1988, 2021)
*Past Chairman and Chief Executive
Officer
American Medical International, Inc.*

Virginia V. Weldon (1996, 2010)
*Senior Vice President for Public Policy
(Retired)
Monsanto Company*

Gayle E. Wilson (1995, 2020)
Nonprofit Consultant

HONORARY LIFE MEMBER

Betty I. Moore (2009)
*Co-Founder
Gordon and Betty Moore Foundation*

STANDING COMMITTEES

Executive Committee

D. W. Thompson, *Chair*
B. M. Barrett, *Vice Chair*
R. Beldegrun
F. Córdova
W. T. Gross
J. B. Kutler
T. W. Lawrence
P. Pizarro
D. Pyott
E. A. Repetto
T. J. Sloan
T. F. Rosenbaum*

Standing Attendees:

D. A. Bailey, Jr.
K. M. Gilmartin
D. Jergovic
L. A. Leshin
C. A. Light
J. T. Lum
S. H. Richland
D. K. Rodday
M. Steurbaut
D. A. Tirrell

Advancement and Institute Relations Committee

E. A. Repetto, *Chair*
B. M. Bren, *Vice Chair - Advancement*
M. J. Mathews-Spradlin, *Vice Chair -
Institute Relations*
L.A. Booth

P. T. Cherng
W. H. Davidow
D. T. Dreier
F. Hameetman
P. D. Kaufman
W. G. Kortschak
M. Smith
D. W. Thompson*
T. F. Rosenbaum*

Standing Attendees:

D. A. Bailey, Jr.
D. Binney
S. M. Chabner
K. M. Gilmartin
K. Hargreaves
D. Jergovic
C. A. Light
J. T. Lum
S. H. Richland
D. K. Rodday
M. Steurbaut
D. A. Tirrell

**Audit, Compliance, and Risk
Committee**

D. E. I. Pyott, *Chair*
L. Kirkbride, *Vice Chair*
R. C. Bonner
R. B. Chess
A. M. Lipper
D. McWhinney
K. Moore
W. T. Gross*
D. W. Thompson*

Standing Attendees:

S. Atlee
D. A. Bailey, Jr.
M. W. Brewer
L. D. James
D. Jergovic
S. A. Kayali
P. D. Koyzis
L. A. Leshin
C. A. Light
J. T. Lum
S. E. Patterson
S. H. Richland
D. K. Rodday
T. F. Rosenbaum
M. Steurbaut
D. A. Tirrell

**Executive Compensation
Committee**

T. W. Lawrence, *Chair*
S. Bailey
B. M. Barrett
K. Kresa
M. D. Hummer-Tuttle
D. E. I. Pyott
D. W. Thompson*

Standing Attendees:

C. A. Light
J. M. McCallin
T. F. Rosenbaum

**Finance, Facilities, and
Infrastructure Committee**

P. J. Pizarro, *Chair*
R. A. Wolf, *Vice Chair - Finance and
Infrastructure*
A. R. Mehran Sr., *Vice Chair - Facilities
and Infrastructure*
B. M. Bren
R. C. Bonner
L. Kirkbride
S. M. Malcom
K. G. Moore
S. R. Onderdonk
E. A. Repetto
D.W. Thompson*
T. F. Rosenbaum*

Standing Attendees:

D. A. Bailey, Jr.
K. M. Gilmartin
K. Hargreaves
D. Jergovic
D. Kang
S. A. Kayali
C. A. Light
J. T. Lum
S. E. Patterson
S. H. Richland
D. K. Rodday
M. Steurbaut
D. A. Tirrell

**Governance and Nominating
Committee**

R. Beldegrun, *Chair*
R. L. Olson, *Vice Chair*
L. A. Booth
R. B. Chess
B. R. Inman
M. J. Mathews-Spradlin
K. Youngblood
D. W. Thompson*
T. F. Rosenbaum*

Advisory Participants:

R. G. Morgan

Standing Attendees:

D. A. Bailey, Jr.
C. A. Light
J. T. Lum
D. K. Rodday

Investment Committee

T. J. Sloan, *Chair*
J. S. Friedman
G. B. Jones
D. L. Lee
Li Lu
A. M. Lipper
F. Maseeh
D. D. McWhinney
K. Youngblood
D. W. Thompson*
T. F. Rosenbaum*

Advisory Participants:

L. N. West

Standing Attendees:

D. A. Bailey, Jr.
C. A. Light
J. T. Lum
D. N. MacBean
S. H. Richland
D. K. Rodday
M. Steurbaut
D. A. Tirrell

Jet Propulsion Laboratory Committee

J. B. Kutler, *Chair*
B. M. Barrett
B. R. Inman
K. Kresa
T. W. Lawrence
D. L. Lee
D. D. McWhinney
D. W. Thompson*
T. F. Rosenbaum*
D. E. I. Pyott* (ACR Chair)

Standing Attendees:

D. A. Bailey, Jr.
L. D. James
D. Jergovic
P. D. Koyzis
L. A. Leshin
C. A. Light
J. T. Lum
D. K. Rodday
M. Steurbaut
D. A. Tirrell

Student Experience Committee

F. Córdova, *Chair*
M. Smith, *Vice Chair*
S. Bailey
L. A. Booth
M. M. Chang
R. B. Chess
R. T. Jenkins
S. M. Malcom
R. N. Merkin
C. R. Trimble
S. H. Woolsey
D. W. Thompson*

T. F. Rosenbaum*

Advisory Participant:

S. Ohtake

Student Advisory Participants:

Undergraduate Students:

G. P. Twombly
A. Burr

Graduate Students:

M. Ratanapanichkitch
M. Li

Standing Attendees:

D. A. Bailey, Jr.
D. Chan
M. Effros
J. A. Jahner
K. M. Gilmartin
D. Jergovic
C. A. Light
J. T. Lum
S. H. Richland
D. K. Rodday
D. A. Tirrell

Technology Transfer and Innovation Committee

W. T. Gross, *Chair*
P. T. Cherng
D. T. Dreier
D. D. Ho
R. T. Jenkins
J. E. Kiani
S. M. Malcom
R. N. Merkin
P. Norton
S. A. Resnick
R. H. Scheller
C. R. Trimble
R. A. Wolf
D. W. Thompson*
T. F. Rosenbaum*

Standing Attendees:

D. A. Bailey, Jr.
K. Bhattacharya
F. Farina
D. Jergovic
C. A. Light
J. T. Lum
S. H. Richland
D. K. Rodday
M. Steurbaut
D. A. Tirrell

**ex officio member*

ADMINISTRATIVE OFFICERS

Steven Atlee

Deputy General Counsel

Dexter A. Bailey, Jr.

Vice President for Advancement and Alumni Relations

Kaushik Bhattacharya

Vice Provost

Shayna M. Chabner McKinney

Chief Communications Officer

David C. Chan

Dean of Graduate Studies

Jin Chang

Chief Information Officer

Michelle Effros

Vice Provost

Frederic Farina

Chief Innovation and Corporate Partnerships Officer

Grace C. Fisher-Adams

Chief Research Policy Officer

Kevin M. Gilmartin

Vice President for Student Affairs

Kenneth Hargreaves

Assistant Vice President, Strategy Implementation and External Relations Officer

Jennifer Jahner

Dean of Undergraduate Students

General Larry D. James

Deputy Director, Jet Propulsion Laboratory

Diana Jergovic

Vice President, Strategy Implementation

David Kang

Associate Vice President of Facilities

Pamela D. Koyzis

Associate Vice President of Audit Services and Institute Compliance

Laurie Leshin

Vice President and Director of the Jet Propulsion Laboratory

Cathy A. Light

Secretary, Board of Trustees

Jennifer T. Lum

General Counsel

Lindsey E. Malcom-Piqueux

Chief Diversity Officer and Assistant Vice President of Diversity, Equity,

Inclusion and Assessment

David J. Mayo

Senior Director of Research Administration

Julia M. McCallin

Associate Vice President for Human Resources

Sharon E. Patterson

Associate Vice President for Finance and Treasurer

Gil Refael

Chair of the Faculty

Scott H. Richland

Chief Investment Officer

Debbie Rodday

Assistant Secretary, Board of Trustees and Senior Director, Office of the President

Margo Steurbaut

Vice President of Administration and Chief Financial Officer

David A. Tirrell

Provost

CHAIRS OF DIVISIONS

Harry A. Atwater

Engineering and Applied Science

Tracy K. Dennison

Humanities and Social Sciences

Dennis A. Dougherty

Chemistry and Chemical Engineering

John P. Grotzinger

Geological and Planetary Sciences

Fiona A. Harrison

Physics, Mathematics and Astronomy

Richard M. Murray

Biology and Biological Engineering

ADMINISTRATIVE COMMITTEES

Animal Care and Use

[fills the role of Caltech's Institutional Animal Care and Use Committee—IACUC]

(Reports to the Vice Provost for Research)

R. A. Andersen, Chair

M. Meister, Vice Chair

A. Avalos* (alternate)

J. Brackman

J. L. Campbell (alternate)

G. Fisher-Adams*

W. Heinen (alternate)
E. Hisserich* (alternate)
L. C. Hsieh-Wilson
K. C. Lencioni*
C. Lois (alternate)
D. J. Mayo*
L. E. Quenee*
T. B. Shirey (alternate)
N. Singh

Advisor:

J. T. Lum
C. D'Apuzzo

Benefits

(Reports to the Vice President of Administration and Chief Financial Officer)

P. T. Hoffman, Chair
A. Boladian
K. Bradshaw*
B. Clemons
R. Fradet
C. Hart*
A. Leonard
L. Livesay
J. M. McCallin*
L. Moffit*
S. E. Patterson*
R. M. Roessler*
A. I. Sargent
S. Scoville

Biosafety

[fills the role of Caltech's Institutional Biosafety Committee—IBC]

(Reports to the Provost)

R. F. Ismagilov, *Interim Chair*
A. Aravin
A. Avalos* (alternate)
M. Barsever
S. Chatterjee
T.-F. Chou
C. Cortese
G. Fisher-Adams*
A. Grossman
E. Hisserich* (alternate)
A. Hoelz (alternate)
K. Lencioni*
D. J. Mayo*
L. Quenee*
T. B. Shirey (alternate)
N. Singh

Advisor:

C. D'Apuzzo

Committee on Classified Research and Publication Restrictions at JPL

(Reports to the President)

D. I. Meiron, *Chair*
B. Ehlmann
D. Gallagher
R. Murray
T. A. Prince
M. Simons
J. Zmuidzinis

Computing Advisory Committee

(Reports to the Provost and the Vice President of Administration and Chief Financial Officer)

T. Colonius, *Chair*
K. Bhattacharya*
G. K. Chan
J. Chang*
P. F. Hopkins
S. E. Patterson*
Z. E. Ross
M. S. Shum
R. M. Voorhees

Committee on Undergraduate Education

(Reports to the Provost)

M. Effros*, *Chair*
K. Batygin
W. C. Brown*
J. R. Bryant*
Burr, A*‡
K. M. Gilmartin*
J. A. Jahner*
K. G. Libbrecht
M. Okumura*
C. S. Parker*
D. Prober
G. Refael*
C. Salinas*

Environmental Health and Safety

(Reports to the President)

D. A. Tirrell, *Chair*
K. Bhattacharya
K. M. Gilmartin
D. Kang*
P. D. Koyzis*
L. Quenee*
M. Steurbaut

**Institute Academic Council
(IACC)**

D. A. Tirrell, *Chair*
H. A. Atwater
T. K. Dennison
D. A. Dougherty
J. P. Grotzinger
F. A. Harrison
R. M. Murray
T. F. Rosenbaum

**Institute Administrative Council
(IAC)**

T. F. Rosenbaum, *Chair*
S. Atlee
H. A. Atwater
D. Bailey
K. Bhattacharya
S. Chabner McKinney
D. Chan
J. Chang
T. K. Dennison
D. A. Dougherty
M. Effros
F. Farina
G. Fisher-Adams
K. M. Gilmartin
J. P. Grotzinger
K. Hargreaves
F. A. Harrison
J. A. Jahner
L. D. James
D. Jergovic
D. Kang
P. D. Koyzis
L. Leshin
C. A. Light
J. T. Lum
L. Malcom-Piqueux
D. J. Mayo
J. M. McCallin
R. M. Murray
S. E. Patterson
G. Refael
S. H. Richland
D. Rodday
M. Steurbaut
D. A. Tirrell

Institute Art
(Reports to the President)

T. Schneider, *Chair*
J-P. Avouac
J. Z. Buchwald
P. Collopy*
L. Davis*
M. B. Elowitz
K. T. Faber
K. Hargreaves*
P. Perona
M. Shapiro

President's Diversity Council

(Reports to the President through the Provost)

W. M. Clemons, Jr., *Chair*
H. A. Atwater
M. H. Dickinson
M. Effros*
A. Emami
D. Hsieh
L. Malcom-Piqueux*
N. Wey-Gomez

Protection of Human Subjects

(fills the role of Caltech's Institutional Review Board—IRB)
(Reports to the Vice Provost for Research)

R. Adolphs, *Chair*
C. Yang, *Vice Chair*
R. A. Andersen
K. Fejes-Toth
G. Fisher-Adams*
J. Gumer
E. Hisserich*
M. Manzanares
L. Quenee* (alternate)
T. B. Shirey (alternate)
N. Singh
J. M. Tyszka*

Advisor:

J. T. Lum
C. D'Apuzzo

Radiation Safety

(Reports to the Vice President of Administration and Chief Financial Officer)

D. S. Burnet, *Chair*
B. W. Filippone, *Vice Chair*
B. Fultz
H. Issaian*
A. Kumagai
S. Shan

SURF

(Reports to the Provost)

R. M. Murray, *Chair*
R. M. Alvarez
G. A. Blake
M. Bronner
M. A. Chang*
M. Gonzalez*
J. A. Jahner*
E. Mantovan
T. Perpall*
A. Ponce
C. Rypisi*
B. M. Stoltz

* *ex officio member*
† *representing graduate students*
‡ *representing undergraduate students*
§ *representing postdoctoral scholars*

FACULTY OFFICERS, BOARD, AND COMMITTEES

OFFICERS OF THE FACULTY

Gil Refael
Chair of the Faculty

Azita Emami
Vice Chair of the Faculty

Kai G. Zinn
Secretary of the Faculty

FACULTY BOARD

Theodor Agapie
Harry A. Atwater*
Marianne Bronner
David C. Chan*
Chiara Daraio^
Tracy K. Dennison*
Dennis A. Dougherty*
Frederick Eberhardt
Bethany L. Ehlmann
John M. Eiler
Azita Emami^
Kenneth A. Farley
Gregory C. Fu
Brent Fultz
Kevin M. Gilmartin*
Sunil Golwala
Viviana Gradinaru
John P. Grotzinger*
Fiona A. Harrison*
Melany L. Hunt^
Jennifer A. Jahner*
Richard M. Murray*
Lior S. Pachter
Ryan B. Patterson
Niles A. Pierce^
Gil Refael^
Sarah E. Reisman^
Thomas F. Rosenbaum*
Omer Tamuz^
David A. Tirrell*^
Magdalena Zernicka-Goetz
Kai G. Zinn^

Standing Guests

Dexter A. Bailey
Kaushik Bhattacharya^
Michelle Effros^
Jennifer T. Lum
Margo Steurbaut
Kara Whatley

**ex-officio member*
^*Steering Committee of the Faculty
Board member*

COMMITTEES OF THE FACULTY

Academic Freedom and Tenure

K. Batygin
L. Hillenbrand
R. F. Ismagilov
S. L. Mayo
S. E. Reisman
C. M. Umans

Membership and Bylaws

A. Emami (Chair)*
D. Asimaki
A. Blank
R. C. Flagan
K. L. Haugen
J. M. Stock
K. G. Zinn*

Nominating

S. Pellegrino (Chair)
G. C. Fu
C. R. Hitchcock
R. B. Patterson
E. Rothenberg
P. O. Wennberg
K. G. Zinn*

**ex officio*

STANDING COMMITTEES

Academic Policies

C. S. Parker (Chair)
F. Eberhardt
P. Schroeder

Athletics and Physical Education

B. M. Stoltz (Chair)
R. M. Alvarez
J. S. Bois
M. E. Brown
J. O. Dabiri
J. Fuller
B. Mitchell*
A. M. Pallie*

K. M. Zuev

**Committee on Exchange
Programs and Study Abroad
(CEPSA)**

H. B. Newman (Chair)
J. F. Adkins
F. Brandao
J. Bruck
M. B. Elowitz
S. R. Quartz
C. Salinas (non-voting)
S. Shimojo
L. B. Stolper*

Convocations

E. Meyerowitz (Chair)
D. C. Chan*
J. A. Jahner*
K. C. Schwab

**Core Curriculum Steering
(CCSC)**

M. Okumura (Chair)
P. D. Asimow
A. Blank
J. S. Bois
J. R. Bryant (non-voting)
C. W. Cheung
C. R. Hitchcock
J. A. Jahner*
L. E. Malcom-Piqueux (non-voting)
A. Rangel
C. Salinas (non-voting)
A. Wierman
T. Y. Yu

Curriculum

K. G. Libbrecht (Chair)
T. Agapie
C. Frankenberg
S. E. Hall
J. A. Jahner*
L. Qian
C. Salinas (non-voting)
P. Schroeder

**First-Year Admissions and
Financial Aid (FAFA)**

J. R. Leadbetter (Chair)
T. Agapie
D. Asimaki
J. L. Beauchamp
C. F. Camerer
M. A. Chang*
W. M. Clemons
J. Cvitanic
S. G. Djorgovski
W. G. Dunphy

R. C. Flagan
G. A. George
D. Gilmore
L. A. Goentoro
J. R. Greer
L. Hillenbrand
R. F. Ismagilov
C. Jurca
K. G. Libbrecht
A. M. Pallie*
C. S. Parker
H. D. Politzer
S. R. Quartz
M. C. Vanier
D. P. Weitekamp
A. Wierman
C. Yang

Foreign Students and Scholars

A. Hoelz (Chair)
Y. Abu-Mostafa
C. Daraio
J. Holland
D. Mawet
I. Smith*
Y. Xin
M. Zernicka-Goetz

Graduate Studies

L. Hillenbrand* (Chair)
A. D. Ames*
J. M. Austin*
L. Cai*
D. C. Chan*
W. M. Clemons*
D. Conlon*
K. T. Faber*
A. Faraon*
C. Frankenberg*
K. P. Giapis*
N. Gilmore (non-voting)
H. A. Knutson*
V. Kostina*
N. Lapusta*
H. A. Lester*
J. P. O'Doherty*
R. B. Patterson*
D. Prober*
P. Schroeder*
L. J. Schulman*
A. G. Siapas*
B. M. Stoltz*
O. Tamuz*
J. A. Tropp*
C. Yang*

Health

C. Jurca (Chair)
J. L. Beauchamp
D. C. Chan*
R. G. Hadt
J. A. Jahner*
E. Mantovan
J. M. McCallin (non-voting)
B. Mitchell*
A. L. Sessions

Institute Programs

J. M. Eiler (Chair)
D. A. Bailey*
B. Brophy*
L. C. Hsieh-Wilson
P. Perona
L. Wei
K. Whatley

Library

B. A. Hay (Chair)
C. E. Bucholz
B. Fultz
H. B. Newman
M. J. Robb
M. S. Shum
K. Whatley*

Patents and Relations with Industry

M. Guttman (Chair)
V. Gradinaru
S. Pellegrino
K. See
B. M. Stoltz
C. Yang

Postdoctoral Scholars

K. Bhattacharya (Chair)*
J. F. Alicea*
K. Batygin*
G. K. Chan*
M. A. Creger (non-voting)
P. F. Hopkins*
A. Kechris*
J. P. O'Doherty*
L. S. Pachter*
A. Santana (non-voting)
A. M. Stuart*

Student Life and Housing

J. Holland (Chair)
J. M. Allman
D. Asimaki
D. C. Chan*
J. A. Jahner*
N. H. Katz
T. N. Mannion (non-voting)
B. Mitchell*
R. B. Patterson

Undergraduate Academic Standards and Honors (UASH)

W. C. Brown (Chair)
G. A. Blake
A. Blank
M. Guttman
N. R. Hutzler
J. A. Jahner*
R. B. Patterson
S. Pellegrino
C. Salinas*
K. C. Schwab

Upperclass Admissions

D. P. Weitekamp (Chair)
B. W. Filippone
H. M. Nelson
A. M. Pallie*
C. Salinas*
C. T. Sebens
M. A. Vicic
Y. L. Yung

**ex-officio member*

STAFF OF INSTRUCTION AND RESEARCH

DIVISION OF BIOLOGY AND BIOLOGICAL ENGINEERING

Richard M. Murray, Ph.D.
William K. Bowes Jr. Leadership Chair

Michael H. Dickinson, Ph.D.
Executive Officer

Niles Pierce, Ph.D.
Executive Officer

Professors Emeriti

John N. Abelson, Ph.D.
George Beadle Professor of Biology

Charles J. Brokaw, Ph.D.
Professor of Biology

John J. Hopfield, Ph.D.
Roscoe G. Dickinson Professor of Chemistry and Biology

Melvin I. Simon, Ph.D.
Anne P. and Benjamin F. Biaggini Professor of Biological Sciences

Professors

Ralph Adolphs, Ph.D.

*Bren Professor of Psychology,
Neuroscience, and Biology*

John M. Allman, Ph.D.

*Frank P. Hixon Professor of
Neurobiology*

Richard A. Andersen, Ph.D.

*James G. Boswell Professor of
Neuroscience; T&C Brain-Machine
Interface Leadership Chair; Director,
T&C Brain-Machine Interface Center*

David J. Anderson, Ph.D.¹

*Seymour Benzer Professor of Biology;
Tianqiao and Chrissy Chen Institute for
Neuroscience Leadership Chair;
Investigator, Howard Hughes Medical
Institute; Director, Tianqiao and
Chrissy Chen Institute for
Neuroscience*

Alexei A. Aravin, Ph.D.

Professor of Biology

**Frances H. Arnold, Ph.D., Nobel
Laureate**

*Linus Pauling Professor of Chemical
Engineering, Bioengineering, and
Biochemistry; Director, Donna and
Benjamin M. Rosen Bioengineering
Center*

**David Baltimore, Ph.D., D.Sc.h.c.,
D.Phil.h.c., Nobel Laureate**

*President Emeritus; Judge Shirley
Hufstедler Professor of Biology*

Pamela J. Bjorkman, Ph.D.

*David Baltimore Professor of Biology
and Bioengineering; Merkin Institute
Professor*

Marianne Bronner, Ph.D.

*Distinguished Professor of Biology;
Director of the Beckman Institute*

Long Cai, Ph.D.

*Professor of Biology and Biological
Engineering*

Judith L. Campbell, Ph.D.

Professor of Chemistry and Biology

David C. Chan, M.D., Ph.D.

*Harold and Violet Alvarez Professor of
Biology; Dean of Graduate Studies*

Michael H. Dickinson, Ph.D.

*Esther M. and Abe M. Zarem
Professor of Bioengineering and
Aeronautics, Executive Officer for
Biology and Biological Engineering*

William G. Dunphy, Ph.D.

Grace C. Steele Professor of Biology

Michael Elowitz, Ph.D.¹

Professor of Biology and

*Bioengineering; Investigator, Howard
Hughes Medical Institute*

Lea Goentoro, Ph.D.

Professor of Biology

Viviana Gradinaru, Ph.D.

*Lois and Victor Troendle Professor of
Neuroscience and Biological
Engineering; Director, Center for
Molecular and Cellular Neuroscience*

Mitchell Guttman, Ph.D.

Professor of Biology

Bruce A. Hay, Ph.D.

Professor of Biology

Elizabeth J. Hong, Ph.D.

*Professor of Neuroscience; Chen
Scholar*

Rustem F. Ismagilov, Ph.D.

*Ethel Wilson Bowles and Robert
Bowles Professor of Chemistry and
Chemical Engineering; Director of the
Jacobs Institute for Molecular
Engineering for Medicine*

Mary B. Kennedy, Ph.D.

*The Allen and Lenabelle Davis
Professor of Biology*

Henry A. Lester, Ph.D.

Professor of Biology

Stephen L. Mayo, Ph.D.

*Bren Professor of Biology and
Chemistry; Merkin Institute Professor*

Sarkis Mazmanian, Ph.D.

*Luis B. and Nelly Soux Professor of
Microbiology; Investigator, Heritage
Medical Research Institute*

Markus Meister, Ph.D.

*Anne P. and Benjamin F. Biaggini
Professor of Biological Sciences*

Elliot M. Meyerowitz, Ph.D.¹

*George W. Beadle Professor of
Biology; Investigator, Howard Hughes
Medical Institute*

Richard Murray, Ph.D.

*Thomas E. and Doris Everhart
Professor of Control and Dynamical
Systems and Bioengineering; William
K. Bowes Jr. Leadership Chair,
Division of Biology and Biological
Engineering*

Dianne K. Newman, Ph.D.

*Gordon M. Binder/Amgen Professor of
Biology and Geobiology*

Yuki Oka, Ph.D.

*Professor of Biology; Investigator,
Heritage Medical Research Institute*

Victoria J. Orphan, Ph.D.

James Irvine Professor of

Environmental Science and Geobiology; Allen V. C. Davis and Lenabelle Davis Leadership Chair, Center for Environmental Microbial Interactions; Director, Center for Environmental Microbial Interactions

Lior S. Pachter, Ph.D.
Bren Professor of Computational Biology and Computing and Mathematical Sciences

Robert B. Phillips, Ph.D.
Fred and Nancy Morris Professor of Biophysics, Biology, and Physics

Niles A. Pierce, Ph.D.
Professor of Applied and Computational Mathematics and Bioengineering, Executive Officer for Biology and Biological Engineering

David Prober, Ph.D.
Professor of Biology

Lulu Qian, Ph.D.
Professor of Bioengineering

Ellen Rothenberg, Ph.D.
Edward B. Lewis Professor of Biology

Michael L. Roukes, Ph.D.
Frank J. Roshek Professor of Physics, Applied Physics, and Bioengineering

Shinsuke Shimojo, Ph.D.
Gertrude Baltimore Professor of Experimental Psychology

Athanasios G. Siapas, Ph.D.
Professor of Computation and Neural Systems

Angelike Stathopoulos, Ph.D.
Professor of Biology

Paul W. Sternberg, Ph.D.
Bren Professor of Biology

Alexander J. Varshavsky, Ph.D.
Thomas Hunt Morgan Professor of Biology

Erik Winfree, Ph.D.
Professor of Computer Science, Computation and Neural Systems, and Bioengineering

Barbara J. Wold, Ph.D.
Bren Professor of Molecular Biology; Allen V. C. Davis and Lenabelle Davis Leadership Chair, Richard N. Merkin Institute for Translational Research; Director, Richard N. Merkin Institute for Translational Research

Changhuei Yang, Ph.D.
Thomas G. Myers Professor of Electrical Engineering, Bioengineering, and Medical Engineering; Investigator, Heritage Medical Research Institute

Magdalena Zernicka-Goetz, Ph.D.
Bren Professor of Biology and Biological Engineering

Kai Zinn, Ph.D.
Howard and Gwen Laurie Smits Professor of Biology

Assistant Professors

Joseph Parker, Ph.D.
Assistant Professor of Biology and Biological Engineering; Chen Scholar

Matt Thomson, Ph.D.
Assistant Professor of Computational Biology; Investigator, Heritage Medical Research Institute

David Van Valen, Ph.D.
Assistant Professor of Biology and Biological Engineering, Investigator, Heritage Medical Research Institute

Rebecca M. Voorhees, Ph.D.
Assistant Professor of Biology and Biological Engineering; Investigator, Heritage Medical Research Institute

Kaihang Wang, Ph.D.
Assistant Professor of Biology and Biological Engineering

Senior Research Associate

Emeriti

Anne Chomyn, Ph.D.
Ellen G. Strauss, Ph.D.
R. Andrew Cameron, Ph.D.

Lecturers

Andres Collazo, Ph.D.
Julie Hoy, Ph.D.
Danny Petrusek, M.D., Ph.D.
Ueli Rutishauser, Ph.D.
Carol Chace Tydell, D.V.M.

Research Professors

Tsui-Fen Chou, Ph.D.
Katalin Fejes Toth, M.D., Ph.D.
David M. Glover, Ph.D.
Akiko Kumagai, Ph.D.
Carlos Lois, M.D., Ph.D.
Daniel A. Wagenaar, Ph.D.

Research Assistant Professor

Alina Patke, Ph.D.

Teaching Professor

Justin S. Bois, Ph.D.

Senior Faculty Associate

Alice S. Huang, Ph.D.

Faculty Associates

Margaret J. McFall-Ngai, Ph.D.

Edward G. Ruby, Ph.D.

Moore Distinguished Scholars

Vamsi Mootha, Ph.D.

Boris Shraiman, Ph.D.

Visiting AssociatesShyue-Fang Battaglia-Hsu, M.D.,
Ph.D.

Mengyi Cao, Ph.D.

Wael El-Nachef, Ph.D.

Pamela Eversole-Cire, Ph.D.

Maxellende Ezin, Ph.D.

Jordi Garcia-Ojalvo, Ph.D.

Aidy Gonzalez-Serricchio

Stephanie Hampton, Ph.D.

Ali Khoshnab, Ph.D.

Prakash Kulkarni, Ph.D.

Brian Lee, M.D., Ph.D.

Carmel Levitan, Ph.D.

Charles Liu, M.D., Ph.D.

Kebreten Manaye, Ph.D.

Uri Maoz, Ph.D.

Tara Mastro, Ph.D.

Akihiro Okamoto, Ph.D.

Carmie Puckett Robinson, M.D.

Animesh Ray, Ph.D.

Ueli Rutishauser, Ph.D.

Daniel Schwartz, M.D.

Mohammad Hassan Abdelrahman

Shehata, Ph.D.

Armand R. Tanguay, Ph.D.

Carlo Urbinati, Ph.D.

Members of the Professional**Staff**

Igor Antoshechkin, Ph.D.

Stijn Cassenaer, Ph.D.

Rochelle A. Diamond, B.A.

Evgueniy V. Lubenov, Ph.D.

Kaushiki Menon, Ph.D.

Hans-Michael Muller, Ph.D.

Ker-hwa Ou, M.S.

Kimberly Van Auken, Ph.D.

Anthony P. West, Jr., Ph.D.

Senior Postdoctoral Scholars

Elsy Buitrago Delgado, Ph.D.

Ulrich Herget, Ph.D.

Min Jee Jang, Ph.D.

Lu Liu, Ph.D.

Ranjani Murali, Ph.D.

Nicolas Pelaez Restrepo, Ph.D.

Michal Polonsky, Ph.D.

Ivo Ros, Ph.D.

Liang She, Ph.D.

Tianqi Song, Ph.D.

Jingjing Sun, Ph.D.

Carsten Tischbirek, Ph.D.

Huy Ngoc Tran, Ph.D.

Bo Wang, Ph.D.

Jin Xu, Ph.D.

An Zhang, Ph.D.

Rongwei Zhang, Ph.D.

Wei Zhao, Ph.D.

Postdoctoral Scholars

Reinaldo Alcalde, Ph.D.

Sameh Ali, Ph.D.

Norbert Andrasi, Ph.D.

Andrey Andreev Ph.D.

Cynthia Arokiaraj, Ph.D.

Aswini Babu, Ph.D.

Abraham Betancourt Vera, Ph.D.

Prashant Bhat, Ph.D.

Udi Binstok, Ph.D.

David Bjanec, Ph.D.

Máté Borsos, Ph.D.

John Bostick Ph.D.

Emma Boxer, Ph.D.

Paolo Caldarelli, Ph.D.

Thierry Callier, Ph.D.

Anna Matilda Cederblad, Ph.D.

Yogaditya Chakrabarty, Ph.D.

Cameron Chalk, Ph.D.

Dong-Yuan Chen, Ph.D.

Xi Chen, Ph.D.

Yi-Ting Cheng, Ph.D.

Ukjin Choi, Ph.D.

Mohammad Iqbal Choudhury, Ph.D.

Alexander Cohen, Ph.D.

Kim-Marie Dam, Ph.D.

Matheus De Castro Fonseca, Ph.D.

Ayyappa Raja Desingu Rajan, Ph.D.

Daniel Dumitrescu, Ph.D.

Sayan Dutta, Ph.D.

Brittany Edens, Ph.D.

Carla Evans, Ph.D.

Chengcheng Fan, Ph.D.

Yujie Fan, Ph.D.

Abraham Flamholz, Ph.D.

Lai Foong, Ph.D.

Mark Fornace, Ph.D.

Jorge Arturo Gamez de Leon, Ph.D.

Bo Gu Ph.D.

Alina-Ioana Guna, Ph.D.

Ron Hadas, Ph.D.

Livia Hecke Morais, Ph.D.

Jonathan Hoang, Ph.D.

Magnus Hoffmann, Ph.D.

Richard Horns, Ph.D.
Wenqi Hu, Ph.D.
Uriah Israel, Ph.D.
Takumi Itakura, Ph.D.
Seongmin Jang, Ph.D.
Maulik Jani, Ph.D.
Hannah Jeckel, Ph.D.
Sergi Junyent Espinosa, Ph.D.
Jessleen Kanwal, Ph.D.
Jineun Kim, Ph.D.¹
Levente Kovacs, Ph.D.
Anton Kuzmenko, Ph.D.
Tyson Lager, Ph.D.
Dongyang Li, Ph.D.
Jinyang Li, Ph.D.
Zhaodi Liao, Ph.D.
Eric Liaw, Ph.D.
Changfan Lin, Ph.D.
Bingchuan Liu, Ph.D.
Zachery Lonergan Ph.D.
Dongyi Lu, Ph.D.
Brendan MacNabb, Ph.D.
Gal Manella, Ph.D.
Sierra Marable, Ph.D.
John Marken, Ph.D.
Gina Mawla, Ph.D.
Magdalena Mayr, Ph.D.
James McGehee, Ph.D.
George Mountoufaris, Ph.D.
Agota Nagy, Ph.D.
Bibi Najma, Ph.D.
Shintaro Nakajima, Ph.D.
Ho Namkung, Ph.D.
Aki Ohdera, Ph.D.
Youcef Ouadah, Ph.D.
Pallavi Panda, Ph.D.
Alon Filosof, Ph.D.
Yanping Qiu, Ph.D.
Isabelle Rosenthal, Ph.D.
Lindsey Salay, Ph.D.
Estefania Sanchez Vasquez, Ph.D.
Aubrey Schonhoff, Ph.D.
Shahriar Shadkhoo Ph.D.
Boyoung Shin, Ph.D.
Dayeon Shon, Ph.D.
Tom Sidwell, Ph.D.
Tatiana Solovieva, Ph.D.
Georgia Squyres, Ph.D.
Argyrios Stefanos Stagkourakis, Ph.D.
Jan Stundl Ph.D.
Miyuki Suzuki, Ph.D.
Russell Swift, Ph.D.
Sarolta Szentes, Ph.D.
Yodai Takei, Ph.D.
Chieh-Hsiang Tan, Ph.D.
Qing Tang, Ph.D.
Bochuan Teng, Ph.D.
Ines Trindade, Ph.D.
Amit Vinograd, Ph.D.¹
Xuan Wan, Ph.D.
Sarah Wandelt, Ph.D.
Boya Wang, Ph.D.
Jamie Wangen, Ph.D.
Samuel Whitehead, Ph.D.

Sean Wilson, Ph.D.¹
Shiyu Xia, Ph.D.
Ruipu Xin, Ph.D.
Shuwa Xu, Ph.D.
Fan Yang, Ph.D.
Yan Zhang, Ph.D.
Yuan Zhao, Ph.D.
Yang Zheng, Ph.D.
Xinyun Zou, Ph.D.

Visitors

Elaine L. Bearer, Ph.D., M.D.
Libera Berghella, Ph.D.
Adrian Brueckner, Ph.D.
Paul Chang, M.S.
Alexandre Cunha, Ph.D.

Walter Gonzalez, Ph.D.

Shao-Min Hung, Ph.D.
Ping-Keng Jao, Ph.D.

Yan Jin, Ph.D.

Sheila Kitchen, Ph.D.

Anthony Linares, Ph.D., M.D.

Rong Lu, Ph.D.

Eric Mjolsness, Ph.D.
Barry Olafson, Ph.D.
Philip Petersen, Ph.D.
Noelle Stiles, Ph.D.

Amber Stubler, Ph.D.
Tsu-Te Judith Su, Ph.D.

Joanna Sulkowska, Ph.D.
Zeynep Turan, Ph.D.
Zhuo Wang, Ph.D.

*¹ Joint appointment with Howard
Hughes Medical Institute*

DIVISION OF CHEMISTRY AND CHEMICAL ENGINEERING

Dennis Dougherty
*George Grant Hoag Professor of
Chemistry; Norman Davidson
Leadership Chair, Division of
Chemistry and Chemical Engineering*

Zhen-Gang Wang
*Executive Officer for Chemical
Engineering*

Theodor Agapie
Executive Officer for Chemistry

Shu-ou Shan
*Executive Officer for Biochemistry and
Molecular Biophysics*

Professors Emeriti

Fred C. Anson, Ph.D., D.h.c.
Elizabeth W. Gilloon Professor of Chemistry

John D. Baldeschwieler, Ph.D.
J. Stanley Johnson Professor and Professor of Chemistry

Jacqueline K. Barton, Ph.D.
John G. Kirkwood and Arthur A. Noyes Professor of Chemistry

Jesse L. (Jack) Beauchamp, Ph.D.
Mary and Charles Ferkel Professor of Chemistry

John E. Bercaw, Ph.D.
Centennial Professor of Chemistry

Sunney I. Chan, Ph.D.
George Grant Hoag Professor of Biophysical Chemistry

Mark E. Davis, Ph.D.
Warren and Katharine Schlinger Professor of Chemical Engineering

Peter B. Dervan, Ph.D., D.Sc.h.c.
Bren Professor of Chemistry

George R. Gavalas, Ph.D.
Professor of Chemical Engineering

Professors

Theodor Agapie, Ph.D.
John Stauffer Professor of Chemistry; Executive officer for Chemistry

Frances H. Arnold, Ph.D., Nobel Laureate
Linus Pauling Professor of Chemical Engineering, Bioengineering, and Biochemistry, Director of the Donna and Benjamin M. Rosen Bioengineering Center

Geoffrey A. Blake, Ph.D.
Professor of Cosmochemistry and Planetary Sciences and Professor of Chemistry

John F. Brady, Ph.D.
Chevron Professor of Chemical Engineering and Mechanical Engineering

Judith L. Campbell, Ph.D.
Professor of Chemistry and Biology

Garnet K. Chan, Ph.D.
Bren Professor of Chemistry

William C. Clemons, Ph.D.
Arthur and Marian Hanisch Memorial Professor of Biochemistry

Dennis A. Dougherty, Ph.D.
George Grant Hoag Professor of

Chemistry; Norman Davidson Leadership Chair, Division of Chemistry and Chemical Engineering

Richard C. Flagan, Ph.D.
Irma and Ross McCollum-William H. Corcoran Professor of Chemical Engineering and Environmental Science and Engineering

Gregory C. Fu, Ph.D.
Norman Chandler Professor of Chemistry

Konstantinos P. Giapis, Ph.D.
Professor of Chemical Engineering

William A. Goddard III, Ph.D.
Charles and Mary Ferkel Professor of Chemistry, Materials Science, and Applied Physics

Harry B. Gray, Ph.D., D.Sc.h.c., Laurea h.c., Fil.Dr.h.c., D.L.h.c.
Arnold O. Beckman Professor of Chemistry; Founding Director, Beckman Institute

Andre Hoelz, Ph.D.
Mary and Charles Ferkel Professor of Chemistry and Biochemistry

Linda C. Hsieh-Wilson, Ph.D.
Milton and Rosalind Chang Professor of Chemistry

Rustem F. Ismagilov, Ph.D.
Ethel Wilson Bowles and Robert Bowles Professor of Chemistry and Chemical Engineering; Merkin Institute Professor; Director of the Jacobs Institute for Molecular Engineering for Medicine

Julia Kornfield, Ph.D.
Elizabeth W. Gilloon Professor of Chemical Engineering

Nathan S. Lewis, Ph.D.
George L. Argyros Professor and Professor of Chemistry

Karthish Manthiram, Ph.D.
Professor of Chemical Engineering and Chemistry; William H. Hurt Scholar

Rudolph A. Marcus, Ph.D., D.Sc.h.c., Fil.Dr.h.c., D.h.c., Nobel Laureate
John G. Kirkwood and Arthur A. Noyes Professor of Chemistry

Stephen L. Mayo, Ph.D.
Bren Professor of Biology and Chemistry; Merkin Institute Professor

Hosea M. Nelson, Ph.D.
Professor of Chemistry

Mitchio Okumura, Ph.D.
Professor of Chemical Physics

Carl S. Parker, Ph.D.
Professor of Biochemistry

Jonas C. Peters, Ph.D.
Bren Professor of Chemistry; Director of the Resnick Sustainability Institute

Douglas C. Rees, Ph.D.¹
Roscoe Gilkey Dickinson Professor of Chemistry; Investigator, Howard Hughes Medical Institute

Sarah E. Reisman, Ph.D.
Bren Professor of Chemistry

John H. Seinfeld, Ph.D., D.Sc.h.c.
Louis E. Nohl Professor of Chemical Engineering

Shu-ou Shan, Ph.D.
Altair Professor of Chemistry; Executive Officer for Biochemistry and Molecular Biophysics

Mikhail G. Shapiro, Ph.D.
Max Delbrück Professor of Chemical Engineering and Medical Engineering; Investigator, Howard Hughes Medical Institute

Brian M. Stoltz, Ph.D.
Victor and Elizabeth Atkins Professor of Chemistry; Investigator, Heritage Medical Research Institute

David A. Tirrell, Ph.D., D.h.c.
Provost; Ross McCollum–William H. Corcoran Professor of Chemistry and Chemical Engineering; Carl and Shirley Larson Provostial Chair

Zhen-Gang Wang, Ph.D.
Dick and Barbara Dickinson Professor of Chemical Engineering; Executive Officer for Chemical Engineering

Daniel P. Weitekamp, Ph.D.
Professor of Chemical Physics

Assistant Professors

Shasha Chong, Ph.D.
Assistant Professor of Chemistry; Ronald and JoAnne Willens Scholar

Scott K. Cushing, Ph.D.
Assistant Professor of Chemistry

Gözde Demirer
Clare Boothe Luce Assistant Professor of Chemical Engineering

Ryan G. Hadt, Ph.D.
Assistant Professor of Chemistry

Maxwell J. Robb, Ph.D.
Assistant Professor of Chemistry

Kimberly A. See, Ph.D.
Assistant Professor of Chemistry

Daniel R. Semlow, Ph.D.
Assistant Professor of Biochemistry; Ronald and JoAnne Willens Scholar

Lu Wei, Ph.D.
Assistant Professor of Chemistry; Investigator, Heritage Medical Research Institute

Lecturers

Kathryn Bikle, M.A.
Chemistry

Jeffrey Mendez, Ph.D.
Chemistry

Michael Takase, Ph.D.
Chemistry

Scott Virgil, Ph.D.
Chemistry

Michael Vivic, Ph.D.
Chemical Engineering

Jay R. Winkler, Ph.D.
Chemistry

Anna Resnick, B.S.
Chemical Engineering

Faculty Associates

Jay A. Labinger, Ph.D.
Faculty Associate in Chemistry

Jay R. Winkler, Ph.D.
Faculty Associate in Chemistry

Visiting Associates

Pavel Dolezal, Ph.D.
Chemistry

Jose Rodriguez, Ph.D.
Chemistry

Sandeep Sharma, Ph.D.
Chemistry

Bikau Shukla, Ph.D.
Chemistry

Michael Kolios, Ph.D.
Chemical Engineering

Michele Ceriotti, Ph.D.
Chemistry

Kara Fong, Ph.D.
Chemical Engineering

Yue Zhou, Ph.D.
Chemistry

Joel Ehrenkranz, Ph.D.
Chemistry

Matthew Wodrich, Ph.D.
Chemistry

Anne-Clemence Corninboeuf, Ph.D.
Chemistry

Tao Sun, Ph.D.
Chemical Engineering

Wenjia Luo, Ph.D.
Chemistry

Bartholomaeus Pieber, Ph.D.
Chemistry

John Williams, Ph.D.
Chemistry

Darrin Lee, Ph.D.
Chemical Engineering

David Maresca, Ph.D.
Chemical Engineering

Fahmi Bedoui, Ph.D.
Chemistry

Sergey Morozov, Ph.D.
Chemistry

Robert Tanner, Ph.D.
Chemical Engineering

Vincent Lavallo, Ph.D.
Chemistry

Tom Miller, Ph.D.
Chemistry

Siddharth Dasgupta, Ph.D.
Chemistry

Stephen Forman, Ph.D.
Chemical Engineering

Hyungjun Kim, Ph.D.
Chemistry

Hugh Kim, Ph.D.
Chemistry

Alessandro Fortunelli, Ph.D.
Chemistry

V Prakash Reddy, Ph.D.
Chemistry

Eric Marinez, Ph.D.
Chemistry

Tod Pascal, Ph.D.
Chemistry

Miguel Alcalde, Ph.D.
Chemical Engineering

Zeev Gross, Ph.D.
Chemistry

Michael Hill, Ph.D.
Chemistry

Su Il In, Ph.D.
Chemistry

Members of the Beckman Institute

Bruce S. Brunschwig, Ph.D.
Jay R. Winkler, Ph.D.

Members of the Professional Staff

Suresha Guptha, M.S.
Chemical Engineering

Sonjong Hwang, Ph.D.
Chemistry

Jay Labinger, Ph.D.
Chemistry

Boris Merinov, Ph.D.
Chemistry

Mona Shahgholi, Ph.D.
Chemistry

David Vander Velde, Ph.D.
Chemistry

Senior Postdoctoral Scholar

Pablo Garrido Barros, Ph.D.
Christopher Bley, PhD.
George William Mobbs, Ph.D.
Liang She, Ph.D.
Alexander Siegel, Ph.D.

Postdoctoral Scholars

Thais Scott, Ph.D.
Josh Chen, Ph.D.
Kathy Gopalakrishna, Ph.D.
Adam Zoll, Ph.D.
Evan Miu, Ph.D.
Verena Neufeld, Ph.D.
Vincent Wang, Ph.D.
Shaoqian Yang, Ph.D.
Yasuki Soda, Ph.D.
Chenchong Zhang, Ph.D.
Alen Pavlic, Ph.D.
Paramita Saha, Ph.D.
Jason Rygus, Ph.D.
Yuan Geng, Ph.D.
Kevin Martin, Ph.D.
Ziqi Li, Ph.D.
Ning Zhang, Ph.D.
Rajat Singh, Ph.D.
Yang Zhou, Ph.D.

Stanna Dorn, Ph.D.
Alejandro Gallegos, Ph.D.
Alba Carretero Cerdan, Ph.D.
Erica Sutcliffe, Ph.D.
Kunal Jha, Ph.D.
Jules Schleinitz, Ph.D.
Philip Boehm, Ph.D.
John Ovian, Ph.D.
Barun Maity, Ph.D.
Hiwot Anteneh, Ph.D.
Cooper Jamieson, Ph.D.
Katie Sicinski, Ph.D.
Stefan Weber, Ph.D.
Arup Mondal, Ph.D.
Martin-Louis Riu, Ph.D.
Ye-Jin Kim, Ph.D.
Jeffrey DuBose, Ph.D.
Kha Nguyen , Ph.D.
Eugenia Vasileiadou, Ph.D.
Sven Richter, Ph.D.
Haochen Zhang, Ph.D.
Jason Adams, Ph.D.
Jacob Rothbaum, Ph.D.
Arianne Hunter, Ph.D.
Falk Seidel, Ph.D.
Wesley Chang, Ph.D.
Rachel Baker, Ph.D.
Noah Sims, Ph.D.
Elisabetta Benazzi, Ph.D.
Lygia Silva De Moraes, Ph.D.
Johannes Tolle, Ph.D.
Ke Liao, Ph.D.
Radoslaw Gora, Ph.D.
Christopher Cooze, Ph.D.
Kasra Hejazi, Ph.D.
Jennifer Kennemur, Ph.D.
Xue Peng Wang, Ph.D.
Vaishnavi Nair, Ph.D.
Matthew Espinosa, Ph.D.
David Delgadillo , Ph.D.
Siva Mangapuram, Ph.D.

Edwin Alfonzo, Ph.D.
Jessica Burch, Ph.D.
Prabhat Prakash, Ph.D.
Doris Taylor, Ph.D.
Narek Yousefian , Ph.D.
Jessica Ochoa, Ph.D.
Wen Yuan Liu, Ph.D.
Chenghan Li, Ph.D.
Julie Ducharme, Ph.D.
Mingyi Wang, Ph.D.
Sema Ejder, Ph.D.
David Charboneau, Ph.D.
Priyabrata Ghana, Ph.D.
Dong Liu, Ph.D.
Trevor Butcher, Ph.D.
Paresh Samantaray, Ph.D.
Richa Nigam, Ph.D.
Shaoyang Lin, Ph.D.
Xiaotong Li, Ph.D.
Shensheng Chen, Ph.D.
Tomislav Begusic, Ph.D.
Feng Zhong, Ph.D.
Weixuan Nie, Ph.D.
Renhe Li, Ph.D.
Yueshen Wu, Ph.D.
Cameron Smith, Ph.D.
Daniel Bim, Ph.D.
Zuxin Jin, Ph.D.
Anuvab Das, Ph.D.
Nivin Nasri, Ph.D.
Haomin Wang, Ph.D.
Veronica Hubble, Ph.D.
Giuseppe Zuccarello, Ph.D.
Alexander Rand, Ph.D.
Runze Mao, Ph.D.
Songhao Zhao, Ph.D.
Alfred Lentzsch, Ph.D.
Asik Hossain, Ph.D.
Edmond Zhou, Ph.D.
Lucie Nurdin, Ph.D.
Peng Liu, Ph.D.

Raheleh Ravanfar, Ph.D.
Yasemin Basdogan, Ph.D.
Simon Cooper, Ph.D.
Ruslan Tazhigulov, Ph.D.
Sriteja Mantha, Ph.D.
Stephen Sardini, Ph.D.
Joseph Derosa, Ph.D.
Seunghoon Lee, Ph.D.
Huanchen Zhai, Ph.D.
Forrest Laskowski, Ph.D.
Si Hyung Jin, Ph.D.
Donglong Fu, Ph.D.
Soumitra Athavale, Ph.D.
Hanzhe Liu, Ph.D.
Rebecca Warmack, Ph.D.
Claire Rabut, Ph.D.
Przemyslaw Dutka, Ph.D.
Yuxing Yao, Ph.D.
Arpit Gupta, Ph.D.
Nicholas Porter, Ph.D.
Hongsun Guo, Ph.D.
Hossein Salahshoor Pirsoltan, Ph.D.
Moon Yang, Ph.D.
Stephen Munoz, Ph.D.
Steve Kim, Ph.D.
Zhihao Cui, Ph.D.
Elyse Pennington, Ph.D.
Ailiena Maggiolo, Ph.D.
Lei Wang, Ph.D.
Joseph Wekselblatt, Ph.D.
Tyler Fulton, Ph.D.
Doug Ober, Ph.D.
Bill Ling, Ph.D.
Soonho Kwon, Ph.D.
Sangjin Yoo, Ph.D.
Siobhan MacArdle, Ph.D.
Stephanie Threatt, Ph.D.
Stefan Petrovic, Ph.D.
Melissa Ramirez , Ph.D.
Danielle Mantin-Monsonogo, Ph.D.
Sayan Banerjee, Ph.D.

Julia Reisenbauer, Ph.D.
Kelly Xia, Ph.D.
Jianhua Wei, Ph.D.
Ziyan Zhang, Ph.D.
Ariane Mora, Ph.D.
Jessica Beard, Ph.D.

Visitors

Tang Yu Kao, B.S.
Chemistry
Vid Jazbec, M.S.
Chemical Engineering
Li yuan Huai, Ph.D.
Chemistry
Siddharth Pandey, Ph.D.
Chemical Engineering
Adil Gangat, Ph.D.
Chemistry
Joo-Youn Lee, Ph.D.
Chemistry
Michael Doutre, B.S.
Chemical Engineering
Odile Madden, Ph.D.
Chemical Engineering
Joseph Salazar , Ph.D.
Chemical Engineering
Stanislav Zalis , Ph.D.
Chemistry
Katarzyna Mlodzikowska-Pienko,
Ph.D.
Chemistry
Silvio Osella, Ph.D.
Chemistry
Yuji Nishiura, Ph.D.
Chemistry
Fei Meng, Ph.D.
Chemistry
Whee Soo Kim, Ph.D.
Chemical Engineering
Charles Markus, Ph.D.
Chemistry
Chenxi Qian, Ph.D.
Chemistry
Ricardo Matute, Ph.D.
Chemistry
Tiziana Di Luccio, Ph.D.
Chemical Engineering
Brendon McNicholas, Ph.D.
Chemistry

Limei Zhang, Ph.D.
Chemistry

Pradeep Ramesh, Ph.D.
Chemical Engineering

Ted Yu, Ph.D.
Chemistry

Alejandro Briseno, Ph.D.
Chemistry

Keiko Yokoyama, Ph.D.
Chemistry

Bryan Hunter, Ph.D.
Chemistry

Wei-Chen Chen, Ph.D.
Chemistry

Rachid Yazami, Ph.D.
Chemistry

*1 Joint appointment with Howard
Hughes Medical Institute*

DIVISION OF ENGINEERING AND APPLIED SCIENCE

Harry A. Atwater
Otis Booth Leadership Chair

Austin J. Minnich
EAS Division Deputy Chair

Tim Colonius
*Cecil and Sally Drinkward Leadership
Chair; Executive Officer for Mechanical
and Civil Engineering*

Azita Emami
*Executive Officer for Electrical
Engineering*

Morteza (Mory) Gharib
*Booth-Kresa Leadership Chair, Center
for Autonomous Systems and
Technologies; Director, Graduate
Aerospace Laboratories*

Andrew F. Thompson
*Executive Officer for Environmental
Science and Engineering*

Kerry J. Vahala
*Executive Officer for Applied Physics
and Materials Science*

Lihong Wang
*Andrew and Peggy Cherng Medical
Engineering Leadership Chair;
Executive Officer for Medical
Engineering*

Professors Emeriti

James L. Beck, Ph.D.
*George W. Housner Professor of
Engineering and Applied Science*

Christopher E. Brennen, D.Phil.
*Richard L. and Dorothy M. Hayman
Professor of Mechanical Engineering*

William B. Bridges, Ph.D.
Carl F Braun Professor of Engineering

Norman H. Brooks, Ph.D.
*James Irvine Professor of
Environmental and Civil Engineering*

K. Mani Chanday, Ph.D.
*Simon Ramo Professor of Computer
Science*

Fred E. Culick, Ph.D.
*Richard L. and Dorothy M. Hayman
Professor of Mechanical Engineering
and Professor of Jet Propulsion*

James P. Eisenstein, Ph.D.
*Frank J. Roshek Professor of Physics
and Applied Physics*

Charles Elachi, Ph.D., D.Sc.h.c.
*Electrical Engineering and Planetary
Science*

**Thomas E. Everhart, Ph.D., D.L.h.c.,
D.h.c.**
*Electrical Engineering and Applied
Physics*

David L. Goodstein, Ph.D.
*Frank J. Gilloon Distinguished
Teaching and Service Professor and
Professor of Physics and Applied
Physics*

John F. Hall, Ph.D.
Civil Engineering

Thomas H. Heaton, Ph.D.
Engineering Seismology

Hans G. Hornung, Ph.D., D.h.c.
*C. L. "Kelly" Johnson Professor of
Aeronautics*

Paul C. Jennings, Ph.D.
*Civil Engineering and Applied
Mechanics*

William L. Johnson, Ph.D.
*Ruben F. and Donna Mettler Professor
of Engineering and Applied Science*

Wolfgang G. Knauss, Ph.D.
*Theodore von Kármán Professor of
Aeronautics and Applied Mechanics*

Anthony Leonard, Ph.D.
*Theodore von Kármán Professor of
Aeronautics*

E. John List, Ph.D.
Environmental Engineering Science

Staff of Instruction and Research

Alain J. Martin, Ing.
Computer Science

Carver Mead, Ph.D., D.Sc.h.c., D.h.c.
Gordon and Betty Moore Professor of Engineering and Applied Science

Michael Ortiz, Ph.D.
Frank and Ora Lee Marble Professor of Aeronautics and Mechanical Engineering

David B. Rutledge, Ph.D.
Kiyo and Eiko Tomiyasu Professor of Engineering

Theodore Y. Wu, Ph.D.
Engineering Science

Professors

Yaser S. Abu-Mostafa, Ph.D.
Electrical Engineering and Computer Science

Jess F. Adkins, Ph.D.
Smits Family Professor of Geochemistry and Global Environmental Science

Aaron D. Ames, Ph.D.
Bren Professor of Mechanical and Civil Engineering and Control and Dynamical Systems

Animashree Anandkumar, Ph.D.
Bren Professor of Computing and Mathematical Sciences

José E. Andrade, Ph.D.
George W. Housner Professor of Civil and Mechanical Engineering

Domniki Asimaki, Ph.D.
Mechanical and Civil Engineering

Harry A. Atwater, Ph.D.
Otis Booth Leadership Chair, Division of Engineering and Applied Science; Howard Hughes Professor of Applied Physics and Materials Science; Director, Liquid Sunlight Alliance

Joanna M. Austin, Ph.D.
Aerospace

Jean-Philippe Avouac, Ph.D.
Earle C. Anthony Professor of Geology and Mechanical and Civil Engineering

Alan H. Barr, Ph.D.
Computer Science

Paul M. Bellan, Ph.D.
Applied Physics

Marco Bernardi, Ph.D.
Applied Physics and Materials Science

Kaushik Bhattacharya, Ph.D.
Howell N. Tyson, Sr., Professor of Mechanics and Materials Science;

Vice Provost

Guillaume Blanchard, Ph.D.
Mechanical Engineering

John F. Brady, Ph.D.
Chevron Professor of Chemical Engineering and Mechanical Engineering

Robert D. Braun, Ph.D.
Aerospace; Director of the JPL Planetary Science Directorate

Jehoshua Bruck, Ph.D.
Gordon and Betty Moore Professor of Computation and Neural Systems and Electrical Engineering

Oscar P. Bruno, Ph.D.
Applied and Computational Mathematics

Joel W. Burdick, Ph.D.
Richard L. and Dorothy M. Hayman Professor of Mechanical Engineering and Bioengineering; JPL Research Scientist

Venkat Chandrasekaran, Ph.D.
Computing and Mathematical Sciences and Electrical Engineering

Soon-Jo Chung, Sc.D.
Bren Professor of Control and Dynamical Systems; JPL Senior Research Scientist

Timothy E. Colonius, Ph.D.
Frank and Ora Lee Marble Professor of Mechanical Engineering

John O. Dabiri, Ph.D.
Centennial Professor of Aeronautics and Mechanical Engineering

Chiara Daraio, Ph.D.
G. Bradford Jones Professor of Mechanical Engineering and Applied Physics; Investigator, Heritage Medical Research Institute

Michael H. Dickinson, Ph.D.
Esther M. and Abe M. Zarem Professor of Bioengineering and Aeronautics, Executive Officer for Biology and Biological Engineering

Paul E. Dimotakis, Ph.D.
John K. Northrop Professor of Aeronautics and Professor of Applied Physics

John C. Doyle, Ph.D.
Jean-Lou Chameau Professor of Control and Dynamical Systems, Electrical Engineering, and Bioengineering

Michelle Effros, Ph.D.
George Van Osdol Professor of

Electrical Engineering; Vice Provost

Azita Emami, Ph.D.

Andrew and Peggy Cherng Professor of Electrical Engineering and Medical Engineering; Director, Center for Sensing to Intelligence

Katherine T. Faber, Ph.D.

Simon Ramo Professor of Materials Science

Andrei Faraon, Ph.D.

Applied Physics and Electrical Engineering

Richard C. Flagan, Ph.D.

Irma and Ross McCollum–William H. Corcoran Professor of Chemical Engineering and Environmental Science and Engineering

Brent T. Fultz, Ph.D.

Barbara and Stanley R. Rawn, Jr., Professor of Materials Science and Applied Physics

Morteza Gharib, Ph.D.

Hans W. Liepmann Professor of Aeronautics and Bioinspired Engineering; Director, Center for Autonomous Systems and Technologies

William A. Goddard, Ph.D.

Charles and Mary Ferkel Professor of Chemistry, Materials Science, and Applied Physics

Julia R. Greer, Ph.D.

Ruben F. and Donna Mettler Professor of Materials Science, Mechanics and Medical Engineering; Fletcher Jones Foundation; Director of the Kavli Nanoscience Institute

Ali Hajimiri, Ph.D.

Bren Professor of Electrical Engineering and Medical Engineering; Co-Director, Space-Based Solar Power Project

Babak Hassibi, Ph.D.

Mose and Lillian S. Bohn Professor of Electrical Engineering and Computing and Mathematical Sciences

Michael R. Hoffmann, Ph.D.

John S. and Sherry Chen Professor of Environmental Science

Yizhao Thomas Hou, Ph.D.

Charles Lee Powell Professor of Applied and Computational Mathematics

Melany L. Hunt, Ph.D.

Dotty and Dick Hayman Professor of Mechanical Engineering

Victoria Kostina, Ph.D.

Electrical Engineering and Computing and Mathematical Sciences

Nadia Lapusta, Ph.D.

Lawrence A. Hanson, Jr., Professor of Mechanical Engineering and Geophysics

Jared R. Leadbetter, Ph.D.

Environmental Microbiology

Steven H. Low, Ph.D.

Frank J. Gilloon Professor of Computing and Mathematical Sciences and Electrical Engineering

Matilde Marcolli, Ph.D.

Robert F. Christy Professor of Mathematics and Computing and Mathematical Sciences

Beverley J. McKeon, Ph.D.

Theodore von Kármán Professor of Aeronautics

Daniel I. Meiron, Sc.D.

Fletcher Jones Professor of Aeronautics and Applied and Computational Mathematics

Austin J. Minnich, Ph.D.

Mechanical Engineering and Applied Physics

Richard M. Murray, Ph.D.

Thomas E. and Doris Everhart Professor of Control and Dynamical Systems and Bioengineering; William K. Bowes Jr. Leadership Chair, Division of Biology and Biological Engineering

Stevan Nadj-Perge, Ph.D.

Applied Physics and Materials Science

Houman Owhadi, Ph.D.

Applied and Computational Mathematics and Control and Dynamical Systems

Lior S. Pachter, Ph.D.

Bren Professor of Computational Biology and Computing and Mathematical Sciences

Oskar J. Painter, Ph.D.

John G Braun Professor of Applied Physics and Physics

Sergio Pellegrino, Ph.D.

Joyce and Kent Kresa Professor of Aerospace and Civil Engineering; JPL Senior Research Scientist; Co-Director, Space-Based Solar Power Project

Pietro Perona, D.Eng., Ph.D.

Allen E. Puckett Professor of Electrical Engineering

Robert B. Phillips, Ph.D.
*Fred and Nancy Morris Professor of
Biophysics, Biology and Physics*

Niles A. Pierce, D.Phil.
*Applied and Computational
Mathematics and Bioengineering*

Dale I. Pullin, Ph.D.
*Robert H. Goddard Professor of
Aeronautics*

**Guruswami Ravichandran, Ph.D.,
D.h.c.**
*John E. Goode, Jr., Professor of
Aerospace and Mechanical
Engineering*

Ares J. Rosakis, Ph.D.
*Theodore von Kármán Professor of
Aeronautics and Mechanical
Engineering*

Michael L. Roukes, Ph.D.
*Frank J. Roshek Professor of Physics,
Applied Physics, and Bioengineering*

Axel Scherer, Ph.D.
*Bernard Neches Professor of Electrical
Engineering, Applied Physics and
Physics; Merkin Institute Professor*

Tapio Schneider, Ph.D.
*Theodore Y. Wu Professor of
Environmental Science and
Engineering, JPL Senior Research
Scientist*

Peter Schröder, Ph.D.
*Shaler Arthur Hanisch Professor of
Computer Science and Applied and
Computational Mathematics*

Leonard J. Schulman, Ph.D.
Computer Science

Keith C. Schwab, Ph.D.
Applied Physics

John H. Seinfeld, Ph.D., D.Sc.h.c.
*Louis E. Nohl Professor of Chemical
Engineering*

Joseph E. Shepherd, Ph.D.
*C. L. "Kelly" Johnson Professor of
Aeronautics and Mechanical
Engineering*

Athanassios G. Siapas, Ph.D.
*Computation and Neural Systems;
Executive Officer for Computation and
Neural Systems*

Andrew M. Stuart, Ph.D.
*Bren Professor of Computing and
Mathematical Sciences*

Yu-Chong Tai, Ph.D.
*Anna L. Rosen Professor of Electrical
Engineering and Medical Engineering*

Sandra M. Troian, Ph.D.
*Applied Physics, Aeronautics, and
Mechanical Engineering*

Joel A. Tropp, Ph.D.
*Steele Family Professor of Applied and
Computational Mathematics*

Christopher M. Umans, Ph.D.
Computer Science

Kerry J. Vahala, Ph.D.
*Ted and Ginger Jenkins Professor of
Information Science and Technology
and Applied Physics*

P. P. Vaidyanathan, Ph.D.
*Kiyo and Eiko Tomiyasu Professor of
Electrical Engineering*

Thomas G. Vidick, Ph.D.
*Computing and Mathematical
Sciences*

Lihong Wang, Ph.D.
*Bren Professor of Medical Engineering
and Electrical Engineering*

Michael M. Watkins, Ph.D.
Aerospace and Geophysics

Paul O. Wennberg, Ph.D.
*R. Stanton Avery Professor of
Atmospheric Chemistry and
Environmental Science and
Engineering; Director, Ronald and
Maxine Linde Center for Global
Environmental Science*

Adam C. Wierman, Ph.D.
*Computing and Mathematical
Sciences; Director, Information
Science and Technology*

Erik Winfree, Ph.D.
*Computer Science, Computation and
Neural Systems, and Bioengineering*

Changhuei Yang, Ph.D.
*Thomas G. Myers Professor of
Electrical Engineering, Bioengineering
and Medical Engineering; Investigator,
Heritage Medical Research Institute*

Amnon Yariv, Ph.D.
*Martin and Eileen Summerfield
Professor of Applied Physics and
Electrical Engineering*

Yisong Yue, Ph.D.
*Computing and Mathematical
Sciences*

Assistant Professors

Jane H. Bae, Ph.D.

Aerospace

Katherine L. (Katie) Bouman, Ph.D.

Computing and Mathematical Sciences and Electrical Engineering; Rosenberg Scholar; Investigator, Heritage Medical Research Institute

Joseph L. Falson, Ph.D.

Materials Science

Xiaojing (Ruby) Fu, Ph.D.

Mechanical and Civil Engineering

Wei Gao, Ph.D.

Cherng Department of Medical Engineering; Investigator, Heritage Medical Research Institute

Georgia Gkioxari, Ph.D.

Computing and Mathematical Sciences and Electrical Engineering; William H. Hurt Scholar

Franca Hoffman, Ph.D.

Computing and Mathematical Sciences

Smruthi Karthikeyan, Ph.D.

Environmental Science and Engineering; William H. Hurt Scholar

Urmila Mahadev, Ph.D.

Computing and Mathematical Sciences

Alireza Marandi, Ph.D.

Electrical Engineering and Applied Physics

Eric Mazumdar, Ph.D.

Computing and Mathematical Sciences and Economics

Mohammad Mirhosseini, Ph.D.

Electrical Engineering and Applied Physics

Teaching Professors

Adam Blank, M.S.

Computing and Mathematical Sciences

Glen A. George, M.S.

Electrical Engineering

Michael Mello, Ph.D.

Mechanical and Civil Engineering

Michael C. Vanier, Ph.D.

Computing and Mathematical Sciences

Konstantin M. Zuev, Ph.D.

Computing and Mathematical Sciences

Teaching Assistant Professors

Melissa (El) Hovik, M.S.

Computing and Mathematical Sciences

Instructors

Ricardo S. Baptista, Ph.D.

Computing and Mathematical Sciences

Oscar F. Leong, Ph.D.

Computing and Mathematical Sciences

Donald H. (Donnie) Pinkston III, B.S.

Schmidt Software Academy Instructor

Lecturers

Channing C. Ahn, Ph.D.

Applied Physics and Materials Science

Christopher P. (Chris) Bickford, Ph.D.

Scientific and Engineering Communication

Erin R. Burkett, Ph.D.

Scientific and Engineering Communication

Stefano Campagnola, Ph.D.

Aerospace

Kalind Carpenter, M.S.

Computing and Mathematical Sciences

Melissa S. Dabiri, Ph.D.

Scientific and Engineering Communication

Alireza Ghaffari, M.S.

Applied Physics and Materials Science

William (Bill) Gross, B.S.

Applied Physics and Materials Science

Jon Hamkins, Ph.D.

Electrical Engineering

Douglas C. Hofmann, Ph.D.

Applied Physics and Materials Science

Andrew T. Klesh Ph.D.

Electrical Engineering

Eugene Lavretsky, Ph.D.

Computing and Mathematical Sciences

Victoria F. Meyer, Ph.D.

Scientific and Engineering Communication

Gunter Niemeyer, Ph.D.

Mechanical and Civil Engineering

Shouleh Nikzad, Ph.D.

Cherng Department of Medical Engineering

Richard Ohanian, M.S.
Electrical Engineering

Danny Petrasek, Ph.D.
Cherng Department of Medical Engineering

Donald H. (Donnie) Pinkston III, B.S.
Computing and Mathematical Sciences

James E. Polk, Ph.D.
Aerospace

Claire C. Ralph, M.S.
Computing and Mathematical Sciences

Amir Rahmani, Ph.D.
Aerospace

Scott N. Roberts, Ph.D.
Applied Physics and Materials Science

Paul B. Stovall
Mechanical and Civil Engineering

Trent Wilson
Mechanical and Civil Engineering

Research Professors

John M. Gregoire, Ph.D.
Applied Physics and Materials Science

Fred Y. Hadaegh, Ph.D.
Aerospace

Monica D. Kohler, Ph.D.
Mechanical and Civil Engineering

Hillary Mushkin, M.F.A.
Art and Design and Humanities and Social Sciences

John Sader, Ph.D.
Aerospace and Applied Physics

Chengxiang Xiang, Ph.D.
Applied Physics and Materials Science

Visiting Associates

Josette Bellan, Ph.D.
Mechanical and Civil Engineering

Henry Blauvelt, Ph.D.
Applied Physics and Materials Science

Amy J. Braverman, Ph.D.
Computing and Mathematical Sciences

Alaina A. Brinley, M.D., Ph.D.
Electrical Engineering

Gentian Buzi, Ph.D.
Computing and Mathematical Sciences

Ho-Lin Chen, Ph.D.
Electrical Engineering

Lijun Chen, Ph.D.
Computing and Mathematical Sciences

Anthony J. (Tony) Clark, Ph.D.
Computing and Mathematical Sciences

Robert D. (Dale) Conner, Ph.D.
Applied Physics and Materials Science

Douglas C. (Doug) Hofmann, Ph.D.
Applied Physics and Materials Science
Arash Kheradvar, Ph.D.
Aerospace

Farbod Khoshnoud, Ph.D.
Aerospace

Manoochehr M. Koochesfahani, Ph.D.
Aerospace

Robert J. Lang, Ph.D.
Mechanical and Civil Engineering

Stephanie Leifer, Ph.D.
Applied Physics and Materials Science

Sami F. Masri, Ph.D.
Mechanical and Civil Engineering

Manuel Mazo Espinosa, Ph.D.
Mechanical and Civil Engineering

Jerome C. Mertz, Ph.D.
Electrical Engineering

Ralph G. Nuzzo, Ph.D.
Applied Physics and Materials Science

Peter A. Petillo, Ph.D.
Applied Physics and Materials Science

Danny Petrasek, Ph.D.
Cherng Department of Medical Engineering

Aditya Rajagopal, Ph.D.
Electrical Engineering

Suraj Ravindran, Ph.D.
Aerospace

Alton D. (Al) Romig, Ph.D.
Applied Physics and Materials Science

Phoebus Rosakis Ph.D.
Aerospace

Paul W. Rothemund, Ph.D.
Computing and Mathematical Sciences

Jonathan Russin, M.D.
Cherng Department of Medical Engineering

Martin Saravia, Ph.D.
Mechanical and Civil Engineering

Jonathan Sauder, Ph.D.
Aerospace

Constantine (Costis) Sideris, Ph.D.
Computing and Mathematical Sciences

Shervin Taghavi Larigani, Ph.D.
Mechanical and Civil Engineering

Peter W. Voorhees, Ph.D.
Applied Physics and Materials Science

Ryan Watkins, Ph.D.
Mechanical & Civil Engineering

Members of the Professional Staff

Xenia Amashukeli, Ph.D.
Resnick Sustainability Institute

Nathan F. Dalleska, Ph.D.
Global Environmental Center

Guy A. DeRose, Ph.D.
Applied Physics and Materials Science

Alireza Ghaffari, M.S.
Applied Physics and Materials Science

Joel A. Haber, Ph.D.
Liquid Sunlight Alliance Caltech

Postdoctoral Scholars

Mohamed Ezzeldin Elsayed Ahmed
Abdelmeguid, Ph.D.
Aerospace

Yousuf Aborahama, Ph.D.
Cherng Department of Medical Engineering

Arian Aghilinejad, Ph.D.
Aerospace

Aisulu Aitbekova, Ph.D.
Applied Physics and Materials Science

Andrew J. (Andy) Akerson, Ph.D.
Mechanical and Civil Engineering

Maryam Alghannam, Ph.D.
Mechanical and Civil Engineering

Carmen Amo Alonso, Ph.D.
Computing and Mathematical Sciences

Atul Singh Arora, Ph.D.
Computing and Mathematical Sciences

Raul Astudillo Marban, Ph.D.
Computing and Mathematical Sciences

Adrian Beckert, Ph.D.
Applied Physics and Materials Science

Alexander Bengtsson, Ph.D.
Cherng Department of Medical Engineering

Alankrita Bhatt, Ph.D.
Computing and Mathematical Sciences

Rui Cao, Ph.D.
Cherng Department of Medical Engineering

Haojing Chen, Ph.D.
Applied Physics and Materials Science

Mo Chen, Ph.D.
Applied Physics and Materials Science

Yifan Chen, Ph.D.
Computing and Mathematical Sciences

Zaiwei Chen, Ph.D.
Computing and Mathematical Sciences

Yongsuk Choi, Ph.D.
Cherng Department of Medical Engineering

Max Cohen, Ph.D.
Mechanical and Civil Engineering

Preston D. Culbertson, Ph.D.
Mechanical and Civil Engineering

Ersin Das, Ph.D.
Mechanical and Civil Engineering

Elham Davoodi, Ph.D.
Cherng Department of Medical Engineering

Lucia B. De Rose, Ph.D.
Applied Physics and Materials Science

Charline Fouchier, Ph.D.
Aerospace

Lu Gan, Ph.D.
Aerospace

Jorge Garza Vargas, Ph.D.
Computing and Mathematical Sciences

Roni Goldshmid, Ph.D.
Aerospace

Anna Gorgogianni, Ph.D.
Mechanical and Civil Engineering

Claudio U. Hail, Ph.D.
Applied Physics and Materials Science

SooJean Han, Ph.D.
Computing and Mathematical Sciences

Sophie Hermans, Ph.D.
Applied Physics and Materials Science

Ziniu Hu, Ph.D.
Computing and Mathematical Sciences

Julian M. Humml, Ph.D.

Aerospace

Inigo X. Incer, Ph.D.

Computing and Mathematical Sciences

Hanxun Jin, Ph.D.

Applied Physics and Materials Science

Mina Karimi, Ph.D.

Mechanical and Civil Engineering

Israel Kellersztein, Ph.D.

Mechanical and Civil Engineering

Eun Jong Kim, Ph.D.

Applied Physics and Materials Science

Gunho Kim, Ph.D.

Mechanical and Civil Engineering

Jeeseop Kim, Ph.D.

Mechanical and Civil Engineering

Jeongrae Kim, Ph.D.

Applied Physics and Materials Science

Inho Kim, Ph.D.

Chemg Department of Medical Engineering

Rafal Kocielnik, Ph.D.

Computing and Mathematical Sciences

Lingyuan Kong, Ph.D.

Applied Physics and Materials Science

Sanjeev Kumar, Ph.D.

Chemg Department of Medical Engineering

David P. Lake, Ph.D.

Applied Physics and Materials Science

Samuel Lanthaler, Ph.D.

Computing and Mathematical Sciences

Grigorios (Greg) Lavrentiadis, Ph.D.

Mechanical and Civil Engineering

Jaemin Lee, Ph.D.

Mechanical and Civil Engineering

Sol A Lee, Ph.D.

Applied Physics and Materials Science

Matthew E. Levine, Ph.D.

Computing and Mathematical Sciences

Aviad Levis, Ph.D.

Computing and Mathematical Sciences

Yingying Li, Ph.D.

Computing and Mathematical Sciences

Martin D. Maas, Ph.D.

Computing and Mathematical

Sciences

Tommaso Magrini, Ph.D.

Mechanical and Civil Engineering

Simon Mahler, Ph.D.

Electrical Engineering

Markus Marks, Ph.D.

Electrical Engineering

Srujan Meesala, Ph.D.

Applied Physics and Materials Science

Lior Michaeli, Ph.D.

Applied Physics and Materials Science

Adrian Moure Rosende, Ph.D.

Mechanical and Civil Engineering

Morteza (Mori) Navadeh Toupch, Ph.D.

Applied Physics and Materials Science

Pio Ong, Ph.D.

Computing and Mathematical Sciences

Elif Oral, Ph.D.

Mechanical and Civil Engineering

Danial Panahandeh Shahraki, Ph.D.

Mechanical and Civil Engineering

Jinsoo Park, Ph.D.

Applied Physics and Materials Science

Shiyu Peng, Ph.D.

Applied Physics and Materials Science

James A. Preiss, Ph.D.

Computing and Mathematical Sciences

Peter Renn, Ph.D.

Aerospace

Alexandros Y. Rosakis, Ph.D.

Chemg Department of Medical Engineering

Alexander Rusch, Ph.D.

Aerospace

Kelsi M. Rutledge, Ph.D.

Aerospace

Soudabeh Saeid, Ph.D.

Environmental Science and Engineering

Isabel Scherl, Ph.D.

Mechanical and Civil Engineering

Zachary Schiffer, Ph.D.

Applied Physics and Materials Science

Juliane Renata Sempionatto Moreto, Ph.D.

Chemg Department of Medical Engineering

Or B. Sharir, Ph.D.

Computing and Mathematical

Sciences

Ehsan Shirzaei Sani, Ph.D.
Cherng Department of Medical Engineering

Eric Sihite, Ph.D.
Aerospace

Marlini Simoes, Ph.D.
Mechanical and Civil Engineering

Yu Song, Ph.D.
Cherng Department of Medical Engineering

Jongyeun (Jaden) Suh, Ph.D.
Aerospace

Yu Sun, Ph.D.
Computing and Mathematical Sciences

Alessio Tamorini, Ph.D.
Cherng Department of Medical Engineering

Songsong Tang, Ph.D.
Cherng Department of Medical Engineering

Amin Tavakoli, Ph.D.
Computing and Mathematical Sciences

Hao Tian, Ph.D.
Electrical Engineering

Kelvin Titimbo Chaparro, Ph.D.
Cherng Department of Medical Engineering

Bahareh Tolooshams, Ph.D.
Computing and Mathematical Sciences

Maegan L. Tucker, Ph.D.
Mechanical and Civil Engineering

Jacinto I. Ulloa, Ph.D.
Mechanical and Civil Engineering

Minqiang Wang, Ph.D.
Cherng Department of Medical Engineering

Robert Webber, Ph.D.
Computing and Mathematical Sciences

Nathaniel (Nathan) Wei, Ph.D.
Aerospace

Lucien D. Werner, Ph.D.
Computing and Mathematical Sciences

Colin R. White, Ph.D.
Computing and Mathematical Sciences

Yadong Xu, Ph.D.
Cherng Department of Medical

Engineering

Yiran (Isabella) Yang, Ph.D.
Cherng Department of Medical Engineering

Xianjin Yang, Ph.D.
Computing and Mathematical Sciences

Kaiyu Yang, Ph.D.
Computing and Mathematical Sciences

Cui Ye, Ph.D.
Cherng Department of Medical Engineering

Jounghyun Yoo, Ph.D.
Cherng Department of Medical Engineering

Oumeng Zhang, Ph.D.
Electrical Engineering

Yang Zhang, Ph.D.
Cherng Department of Medical Engineering

Yide Zhang, Ph.D.
Cherng Department of Medical Engineering

Yupeng Zhang, Ph.D.
Mechanical and Civil Engineering

Han Zhao, Ph.D.
Electrical Engineering

Huan Zhao, Ph.D.
Cherng Department of Medical Engineering

Di Zhou, Ph.D.
Aerospace

Wenjie Zhou, Ph.D.
Mechanical and Civil Engineering

Xiaoyi Zhu, Ph.D.
Cherng Department of Medical Engineering

¹ *Joint appointment with Howard Hughes Medical Institute*

DIVISION OF GEOLOGICAL AND PLANETARY SCIENCES

John P. Grotzinger
Ted and Ginger Jenkins Leadership Chair

Heather Knutson
Divisional Academic Officer

Michael C. Gurnis
Director, Seismological Laboratory

Andrew F. Thompson, Director
Linde Center for Global Environmental Science

Professors Emeriti

Arden L. Albee, Ph.D.
Geology and Planetary Science

Donald S. Burnett, Ph.D.
Nuclear Geochemistry

Robert W. Clayton, Ph.D.
Geophysics

Charles Elachi, Ph.D.
Electrical Engineering and Planetary Science

Peter Goldreich, Ph.D.
Lee A. DuBridge Professor of Astrophysics and Planetary Physics

Thomas H. Heaton, Ph.D.
Professor of Engineering Seismology

Andrew P. Ingersoll, Ph.D.
Planetary Science

Hiroo Kanamori, Ph.D.
John E. and Hazel S. Smits Professor of Geophysics

Duane O. Muhleman, Ph.D.
Planetary Science

David J. Stevenson, Ph.D.
Marvin L. Goldberger Professor of Planetary Science

Peter J. Wyllie, Ph.D., D.Sc.h.c.
Geology

Professors

Jess F. Adkins, Ph.D.
Smits Family Professor of Geochemistry and Global Environmental Science

Paul D. Asimow, Ph.D.
Eleanor and John R. McMillan Professor of Geology and Geochemistry

Jean-Philippe Auouac, Doctorat
Earle C. Anthony Professor of Geology and Mechanical and Civil Engineering; Associate Director, Center for Autonomous Systems and Technologies

Konstantin Batygin, Ph.D.
Planetary Science

Geoffrey A. Blake, Ph.D.
Cosmochemistry and Planetary Science and Chemistry

Michael E. Brown, Ph.D.
Richard and Barbara Rosenberg

Professor of Planetary Astronomy; Terence D. Barr Leadership Chair and Director of Caltech Center for Comparative Planetary Evolution

Jörn Callies, Ph.D.
Oceanography and Environmental Science

Bethany L. Ehlmann, Ph.D.
Planetary Science; Director, Keck Institute for Space Studies

John M. Eiler, Ph.D.
Robert P. Sharp Professor of Geology and Geochemistry

Kenneth A. Farley, Ph.D.
W. M. Keck Foundation Professor of Geochemistry

Woodward W. Fischer, Ph.D.
Professor of Geobiology

Christian Frankenberg, Ph.D.
Environmental Science and Engineering; Jet Propulsion Laboratory Research Scientist

John P. Grotzinger, Ph.D.
Harold Brown Professor of Geology

Michael C. Gurnis, Ph.D.
John E. and Hazel S. Smits Professor of Geophysics

Jennifer M. Jackson, Ph.D.
William E. Leonhard Professor of Mineral Physics

Joseph L. Kirschvink, Ph.D.
Nico and Marilyn Van Wingen Professor of Geobiology

Heather A. Knutson, Ph.D.
Planetary Science

Shrinivas R. Kulkarni, Ph.D.
George Ellery Hale Professor of Astronomy and Planetary Science

Michael P. Lamb, Ph.D.
Geology

Nadia Lapusta, Ph.D.
Lawrence A. Hanson, Jr. Professor of Mechanical Engineering and Geophysics

Jared R. Leadbetter, Ph.D.
Environmental Microbiology

Laurie Leshin, Ph.D.
Vice President and Director of the Jet Propulsion Laboratory; Bren Professor of Geochemistry and Planetary Science

Dianne K. Newman, Ph.D.
Gordon M. Binder/Amgen Professor of

Biology and Geobiology; Executive Officer for Biology and Biological Engineering

Victoria J. Orphan, Ph.D.
James Irvine Professor of Environmental Science and Geobiology; Allen V. C. Davis and Lenabelle Davis Leadership Chair, Center for Microbial Interactions; Director, Center for Microbial Interactions

George R. Rossman, Ph.D.
Professor of Mineralogy

Tapio Schneider, Ph.D.
Theodore Y. Wu Professor of Environmental Science and Engineering; JPL Senior Research Scientist

Alex L. Sessions, Ph.D.
Geobiology

Mark Simons, Ph.D.
John W. and Herberta M. Miles Professor of Geophysics

Joann M. Stock, Ph.D.
Geology and Geophysics

Edward M. Stolper, Ph.D., D.Sc.h.c.
Judge Shirley Hufstедler Professor of Geology

Andrew F. Thompson, Ph.D.
Environmental Science and Engineering; Director, Ronald and Maxine Linde Center for Global Environmental Science; Executive Officer for Environmental Science and Engineering

Michael M. Watkins, Ph.D.
Aerospace and Geophysics

Paul O. Wennberg, Ph.D.
R. Stanton Avery Professor of Atmospheric Chemistry and Environmental Science and Engineering

Brian P. Wernicke, Ph.D.
Chandler Family Professor of Geology

Yuk L. Yung, Ph.D.
Planetary Science; Jet Propulsion Laboratory Senior Research Scientist

Zhongwen Zhan, Ph.D.
Geophysics

Assistant Professors

Claire Bucholz, Ph.D.
Geology

Katherine de Kleer, Ph.D.
Planetary Science and Astronomy; Hufstедler Family Scholar

Zachary Ross, Ph.D.
Geophysics; William H. Hurt Scholar

Julia Tejada, Ph.D.
Geobiology

Francois Tissot, Ph.D.
Geochemistry; Investigator, Heritage Medical Research Institute

Lecturers

Nathan Dalleska, Ph.D.
Environmental Science and Engineering

Patrice Klein, Ph.D.
Environmental Science and Engineering

Emily Zakem, Ph.D.
Environmental Science and Engineering

Research Professor

Allen Husker, Ph.D.
Geophysics

Visiting Associates

Piyush Agram, Ph.D.
Geophysics

Kangwoo Cho, Ph.D.
Environmental Science and Engineering

Elizabeth Cochran, Ph.D.
Geophysics

Joao do Carmo Fialho Mendonca, Ph.D.
Environmental Science and Engineering

Abigail Fraeman, Ph.D.
Planetary Science

Amy Hofmann, Ph.D.
Geochemistry

Renyu Hu, Ph.D.
Planetary Science

Lucile M. Jones, Ph.D.
Geophysics

Patrice Klein, Ph.D.
Environmental Science and Engineering

Andrew Klesh, Ph.D.
Planetary Science

Albion Lawrence, Ph.D.

*Environmental Science and
Engineering*

Junjie Liu, Ph.D.
*Environmental Science and
Engineering*

Yang Liu, Ph.D.
Geochemistry

Charles Miller, Ph.D.
*Environmental Science and
Engineering*

Vijay Natraj, Ph.D.
Planetary Science

Paul Rosen, Ph.D.
Geophysics

Stanley P. Sander, Ph.D.
*Planetary Science and Environmental
Science and Engineering*

Sue Smrekar, Ph.D.
Geophysics

Joao Teixeira, Ph.D.
*Environmental Science and
Engineering*

Paul Ullrich, Ph.D.
*Environmental Science and
Engineering*

Joan Valentine, Ph.D.
Geobiology

Paulo Vasconcelos, Ph.D.
Geochemistry

Duane Waliser, Ph.D.
Planetary Science

Glenn Waychunas, Ph.D.
Geochemistry

Cinzia Zuffada, Ph.D.
Geophysics

Members of the Professional Staff

Paula Antoshechkin, Ph.D.
Geology

Michael B. Baker, Ph.D.
Geology and Geochemistry

Julian J. Bunn, Ph.D.
Geophysics

John D. Crouse, Ph.D.
*Environmental Science and
Engineering*

Nathan F. Dalleska, Ph.D.
*Environmental Science and
Engineering*

Yunbin Guan, Ph.D.
Geochemistry

Chi Ma, Ph.D.
Geochemistry

Sally Newman, Ph.D.
Planetary Science

Postdoctoral Scholars

Andrew Annex, Ph.D.
Planetary Science

Sajjad Azimi, Ph.D.
*Environmental Science and
Engineering*

Eviatar Bach, Ph.D.
*Stanback Postdoctoral Scholar in
Environmental Science and
Engineering*

Amirhossein Bagheri, Ph.D.
Geophysics

Abdalla Bakri, Ph.D.
Geology

Yinon Bar-On, Ph.D.
Geobiology

Swaroop Chandra, Ph.D.
Planetary Science

Zhiang Chen, Ph.D.
Geophysics

Chloe Daudon, Ph.D.
Geology

Junjie Dong, Ph.D.
*Stanback Postdoctoral Scholar in
Comparative Planetary Evolution*

Huazhi Ge, Ph.D.

*Heising Simons 51 Pegasi b
Postdoctoral Scholar in Planetary
Science*

Damanveer Grewal, Ph.D.
Barr Postdoctoral Scholar in Geology

Rosa Grigoryan, Ph.D.
Geochemistry

Anna Gulcher, Ph.D.
Geophysics

Yutian Ke, Ph.D.
Geology

Jiaxuan Li, Ph.D.
Geophysics

Yuexin Li, Ph.D.

Geology

Rishav Mallick, Ph.D.

*Texaco Postdoctoral Scholar in
Geophysics*

Lucia Mandon, Ph.D.

Planetary Science

Wei Mao, Ph.D.

Geophysics

Selva Marroquin, Ph.D.

*Texaco Postdoctoral Scholar in
Geobiology*

Harrison Martin, Ph.D.

Geology

Francisco Martinez Hernandez, Ph.D.

Geobiology

Samson Marty, Ph.D.

Geology

Magdalena Mayr, Ph.D.

Geobiology

Alexander Meshoulam, Ph.D.

Geochemistry

Christopher Milliner, Ph.D.

Planetary Science

Sara Mirzaee, Ph.D.

Planetary Science

Yoshinori Miyazaki, Ph.D.

*Stanback Postdoctoral in Comparative
Planetary Evolution*

Claire Mondro, Ph.D.

Geology

Frank Pavia, Ph.D.

*Foster and Coco Stanback
Postdoctoral Scholar in Environmental
Science and Engineering*

Gabriele Pichierre, Ph.D.

Planetary Science

Simone Puel, Ph.D.

Geophysics

Maria Raguso, Ph.D.

Planetary Science

Alexandre Renchon, Ph.D.

*Environmental Science and
Engineering*

Alba Rodriguez Padilla, Ph.D.

*O.K. Earl Postdoctoral Scholar in
Geology*

Jeremy Schreier, Ph.D.

Geobiology

Jessica Spake, Ph.D.

*Heising Simons Pegasi b Postdoctoral
Scholar in Planetary Science*

Bryn Stewart, Ph.D.

*Stanback Postdoctoral Scholar in
Environmental Science and
Engineering*

Hongyu Sun, Ph.D.

Geophysics

Mattia Tagliavento, Ph.D.

Geochemistry

**Jonas Didero Takodjou Wambo,
Ph.D.**

Geochemistry

Alexander Thelen, Ph.D.

Planetary Science

Rodney Tollerson II, Ph.D.

Geobiology

Daniel Utter, Ph.D.

Geobiology

Dongchen Wang, Ph.D.

Geology

Xiaozhuo Wei, Ph.D.

*Barr Foundation Postdoctoral Scholar
in Geophysics*

Han Xiao, Ph.D.

Geophysics

Yitong Yao, Ph.D.

*Environmental Science and
Engineering*

Qian Yuan, Ph.D.

Geophysics

Qiushi Zhai, Ph.D.

Geophysics

Shane Zhang, Ph.D.

Geophysics

Visitors

Alexander Akins, Ph.D.

Planetary Science

Thamer Alotaibi Aldajani, Ph.D.

Geophysics

Anthony Bloom, Ph.D.

*Environmental Science and
Engineering*

Dana Chadwick, Ph.D.

Geobiology

Christine Chen, Ph.D.
Planetary Science

Elle Chimiak, Ph.D.
Geochemistry

Max Coleman, Ph.D.
Geochemistry

Gilamichael Domenico, Ph.D.
Geochemistry

Eryn Eitel, Ph.D.
Geobiology

Shana Goffredi, Ph.D.
Geobiology

Josh Goldford, Ph.D.
Geobiology

Matthew Golombek, Ph.D.
Planetary Science

Robert W. Graves, Ph.D.
Geophysics

Murthy Gudipati, Ph.D.
Planetary Science

John M. Harris, Ph.D.
Geology

Jamshid Hassanzadeh, Ph.D.
Geology

Bryana Henderson, Ph.D.
Geochemistry

Gregory Holk, Ph.D.
Geochemistry

Martha House, Ph.D.
Geology

Robert Housley, Ph.D.
Geochemistry

Atsuko Kobayashi, Ph.D.
Geobiology

Cheng Li, Ph.D.
Planetary Science

Gen Li, Ph.D.
Geology

Devin McPhillips, Ph.D.
Geology

Paul Nerenberg, Ph.D.
Planetary Science

Jeff Osterhout, Ph.D.
Geochemistry

Dimitri A. Papanastassiou, Ph.D.
Geochemistry

Christopher Parkinson, Ph.D.
Planetary Science

Scott Perl, Ph.D.

Geobiology

Channing Prend, Ph.D.

*Environmental Science and
Engineering*

Haley Sapers, Ph.D.
Geobiology

Marshall Seaton, Ph.D.
Geochemistry

Wolfgang Sturhahn, Ph.D.
Geophysics

David Thompson, Ph.D.
Planetary Science

Geoffrey Toon, Ph.D.
Planetary Science

Thomas Wieloch, Ph.D.
Geobiology

Debra Wunch, Ph.D.
*Environmental Science and
Engineering*

Hank Yu, Ph.D.
Geobiology

Qing Yue, Ph.D.
Planetary Science

DIVISION OF THE HUMANITIES AND SOCIAL SCIENCES

Tracy K. Dennison
*Ronald and Maxine Linde Leadership
Chair*

Charles D. Sprenger
*Executive Officer for the Social
Sciences*

Dehn Gilmore
Executive Officer for the Humanities

Professor Emeriti

John Brewer, Ph.D.
*Eli and Edythe Broad Professor of
History and Literature*

Philip T. Hoffman, Ph.D.
*Rea A. and Lela G. Axline Professor of
Business Economics and History*

Daniel J. Kevles, Ph.D.
*J. O. and Juliette Koepfli Professor of
the Humanities*

J. Morgan Kousser, Ph.D.
History and Social Science

Jenjoy La Belle, Ph.D.
English

John O. Ledyard, Ph.D., D.Lit.h.c.
*Allen and Lenabelle Davis Professor of
Economics and Social Sciences*

Oscar Mandel, Ph.D.
Literature

Peter C. Ordeshook, Ph.D.
Political Science

Thomas R. Palfrey III, Ph.D.
*Flintridge Foundation Professor of
Economics and Political Science*

**Charles R. Plott, Ph.D., Doctor of
Letters, honoris causa**
*William D. Hacker Professor of
Economics and Political Science*

Robert A. Rosenstone, Ph.D.
History

Thayer Scudder, Ph.D.
Anthropology

Annette J. Smith, Ph.D.
Literature

James F. Woodward, Ph.D.
*J. O. and Juliette Koepfli Professor of
the Humanities*

Professors

Ralph Adolphs, Ph.D.
*Bren Professor of Psychology,
Neuroscience, and Biology*

Marina Agranov, Ph.D.
Economics

R. Michael Alvarez, Ph.D.
Political Science

Warren C. Brown, Ph.D.
History

Jed Z. Buchwald, Ph.D.
*Doris and Henry Dreyfuss Professor of
History*

Colin F. Camerer, Ph.D.
*Robert Kirby Professor of Behavioral
Economics; T&C Chen Center for
Social and Decision Neuroscience
Leadership Chair; Director, T&C Chen
Center for Social and Decision
Neuroscience*

Jaksa Cvitanic, Ph.D.
*Richard N. Merkin Professor of
Mathematical Finance*

Tracy K. Dennison, Ph.D.
*Edie and Lew Wasserman Professor of
Social Science History; Ronald and
Maxine Linde Leadership Chair,
Division of the Humanities and Social
Sciences*

Frederick Eberhardt, Ph.D.
Philosophy

Jean E. Ensminger, Ph.D.
*Edie and Lew Wasserman Professor of
Social Sciences*

Mordechai Feingold, Ph.D.
*Kate Van Nuys Page Professor of the
History of Science and the Humanities*

Kevin M. Gilmartin, Ph.D.
*William R. Kenan, Jr., Professor of
English; Allen V.C. Davis and Lenabelle
Davis Leadership Chair, Student
Affairs; Vice President for Student
Affairs*

Dehn Gilmore, Ph.D.
English

Kristine L. Haugen, Ph.D.
English

Alexander V. Hirsch, Ph.D.
Political Science

Christopher R. Hitchcock, Ph.D.
*J. O. and Juliette Koepfli Professor of
Philosophy*

Joceyln Holland, Ph.D.
German Studies

Brian R. Jacobson, Ph.D.
Critical Studies

Jennifer A. Jahner, Ph.D.
English

Catherine Jurca, Ph.D.
English

Jonathan N. Katz, Ph.D.
*Kay Sugahara Professor of Social
Sciences and Statistics*

D. Roderick Kiewiet, Ph.D.
Political Science

Diana L. Kormos-Buchwald, Ph.D.
*Robert M. Abbey Professor of History;
Director & General Editor, The Einstein
Papers Project*

Dean Mobbs, Ph.D.
*Allen V. C. Davis and Lenabelle Davis
Leadership Chair, Caltech Brain
Imaging Center; Director, Caltech
Brain Imaging Center*

John P. O'Doherty, Ph.D.
*Fletcher Jones Professor of Decision
Neuroscience*

George Pigman III, Ph.D.
English

Luciano Pomatto, Ph.D.
Economics

Steven R. Quartz, Ph.D.
Philosophy

Antonio Rangel, Ph.D.
Bing Professor of Neuroscience,

Behavioral Biology, and Economics

Jean-Laurent Rosenthal, Ph.D.

Rea A. and Lela G. Axline Professor of Business Economics; Director, Ronald and Maxine Linde Institute of Economic and Management Sciences

Kota Saito, Ph.D.

Economics

Charles T. Sebens, Ph.D.

Philosophy

Robert P. Sherman, Ph.D.

Economics and Statistics

Matthew S. Shum, Ph.D.

William D. Hacker Professor of Economics

Charles D. Sprenger, Ph.D.

Economics

Omer Tamuz, Ph.D.

Economics

Cindy A. Weinstein, Ph.D.

Eli and Edythe Broad Professor of English

Nicolas Wey-Gomez, Ph.D.

History

Assistant Professors

Peter P. Caradonna, Ph.D.

Economics

Hannah Druckenmiller, Ph.D.

Economics

Michael B. Gibilisco, Ph.D.

Political Science

Pawel Janas, Ph.D.

Economics

Gabriel Lopez-Moctezuma, Ph.D.

Political Science

Eric Mazumdar, Ph.D.

Computing and Mathematical Sciences and Economics

Dana Murphy, Ph.D.

English

Kirby Nielsen, Ph.D.

Economics

Axel Niemeyer, Ph.D.

Economics

Lisa Ruth Rand, Ph.D.

History

Danielle L. Wiggins, Ph.D.

History

Yi Xin, Ph.D.

Economics

Ahmanson Postdoctoral

Instructor

Eugene Chua, Ph.D.

Philosophy

Jessen Postdoctoral Instructor

Andrew Hill, Ph.D.

English

Weisman Postdoctoral

Instructor

Anna Stielau, Ph.D.

Media, Culture and Communication

Postdoctoral Instructors

Cong Cao, Ph.D.

Economics

Ozan Gurcan, Ph.D.

Ethics and Public Affairs

E. Bennett Jones, Ph.D.

Philosophy

Farzad Pourbabae, Ph.D.

Economics

Juni Singh, Ph.D.

Economics

Laura Taylor, Ph.D.

Economics

Lecturers

Andreas Aebi, Ph.D.

German

Gloria Arjona, Ph.D.

Spanish

Nicole Baker, Ph.D.

Music

F. Douglas Brown, M.F.A.

Poetry

Jennifer L. Factor, M.F.A.

Literature and Creative Writing

Megumi Fujio, Ph.D.

Japanese

Margaret Gaida, Ph.D.

History of Science, Medicine, and Technology

Daniel A. Garcia, M.A.

Spanish

Ritsuko Hirai Toner, Ph.D.

Japanese

David A. Kahn, Ph.D.

Neuroscience

Richard E. Kipling, M.A.

Journalism

Edan Lepucki, M.F.A.
Fiction

Daniel Lewis, Ph.D.
History

Nareen Manoukian, Ed.D.
Higher Education

Peter J. McAniff, M.B.A., J.D.
Finance

Trevor C. Merrill, Ph.D.
French

Jordan Nelson, D.M.A.
Composition

Christiane H. Orcel, Ph.D.
French

Josh Schneiderman, Ph.D.
English

Melanie M. Sherazi, Ph.D.
English

Pai Wang, Ph.D.
Cultural Studies

Kenneth J. Winston, Ph.D.
Economics

Juliann K. Wolfgram, Ph.D.
Art History

Julia J. Zhu, Ph.D.
French Literature

Research Professor

Hillary Mushkin, M.F.A.
*Research Professor of Art and Design
in Engineering and Applied Science
and the Humanities and Social
Sciences*

Research Assistant Professors

Joshua Eisenthal, Ph.D.
Philosophy

Jennifer L. Rodgers, Ph.D.
History

Teaching Professor

Susanne E. Hall, Ph.D.
*Teaching Professor of Writing and
Director of the Hixon Writing Center*

Moore Distinguished Scholars

Thomas F. Icard, Ph.D.
Philosophy

Derrick R. Spires, Ph.D.
English

Visiting Assistant Professor

Andrew J. Sinclair, Ph.D.
Financial Economics

Visiting Associates

Caroline J. Charpentier, Ph.D.
Neuroscience

Catherine E. Clark, Ph.D.
History

Ramit Debnath, Ph.D.
Computational Social Science

Michael Ewens, Ph.D.
Economics

Junya Fujino, Ph.D.
Medical Sciences

John L. Heilbron, Ph.D.
History

Jozsef Illy, Ph.D.
History

Susan Juster, Ph.D.
History

Dorit Kliemann, Ph.D.
Cognitive Neuroscience

Lisa Kluen, Ph.D.
Neuroscience

Anne J. Kox, Ph.D.
History

Dennis Lehmkuhl, Ph.D.
Philosophy

Chujun Lin, Ph.D.
Social Sciences

Hannes Mohrschladt, Ph.D.
Finance

Robert C. Ritchie, Ph.D.
History

Tilman Sauer, Ph.D.
Theoretical Physics

Wolfram Schultz, Ph.D.
Neuroscience

Damian Stanley, Ph.D.
Neuroeconomics

Reza Tadayon Nejad, M.D., Ph.D.
Neuroscience

Sarah Tashjian, Ph.D.
Affective Neuroscience

Visitors

Jian Cao, Ph.D.

Economics

Zhongzheng Fu, Ph.D.

Control and Dynamical Systems

Laura Harrison, Ph.D.

Neuroscience

Charles A. Kollmer, Ph.D.

History of Science

Tetsuro Matsuzawa, Ph.D.

Science

Tomislav D. Zbozinek, Ph.D.

Psychology

Member of the Professional Staff

Ze'ev Rosenkranz, M.L.S.

Senior Postdoctoral Scholar

Jeffrey A. Cockburn, Ph.D.

Neuroscience

Vincent Y. Man, Ph.D.

Neuroscience

Postdoctoral Scholars

Patrick Burauel, Ph.D.

Humanities & Social Sciences

Ayse Zeynep Enkavi, Ph.D.

Neuroeconomics

Ketika Garg, Ph.D.

Computational Neuroscience of Social Media

Shiran Gera, Ph.D.

Neuroscience and Psychology

Cooper Grossman, Ph.D.

Neuroscience

Yanting Han, Ph.D.

Psychology

Carina Hausladen, Ph.D.

Behavioral Economics

Na Yeon Kim, Ph.D.

Neuroscience

Lara C. Krisst, Ph.D.

Psychophysics

Beatrice Magistro, Ph.D.

Computational Social Science

Swati Pandita, Ph.D.

Computational Neuroscience of Social Media

Nina Rouhani, Ph.D.

Neuroscience

Tessa Rusch, Ph.D.

Neuroscience

Filip-Mihai Toma, Ph.D.

Social and Decision Neuroscience

Lixiang Xu, Ph.D.

Computational Imaging

Cristiano Zanetti, Ph.D.

History of Science

DIVISION OF PHYSICS, MATHEMATICS AND ASTRONOMY

Fiona A. Harrison

Kent and Joyce Kresa Leadership Chair

Sunil Golwala

Deputy Executive Officer for Astrophysics

Thomas B. Graber

Executive Officer for Mathematics

Andrew W. Howard

Executive Officer for Astronomy

David Hsieh

Executive Officer for Physics

Sunil Golwala

Director, Caltech Submillimeter Observatory

Gregg W. Hallinan

Director, Owens Valley Radio Observatory

George Helou

Executive Director of the Infrared Processing and Analysis Center (IPAC)

Christopher Martin

Director, Caltech Optical Observatories

Hiroshi Ooguri

Director, Burke Institute for Theoretical Physics

John P. Preskill

Allen V.C. Davis and Lenabelle Davis Leadership Chair, Institute for Quantum Science and Technology (IQIM)

David H. Reitze

Executive Director of the LIGO Project (Laser Interferometer Gravitational-Wave Observatory)

Professors Emeriti

Michael Aschbacher, Ph.D.

Shaler Arthur Hanisch Professor of Mathematics

Barry C. Barish, Ph.D., Laurea h.c.,

Nobel Laureate

Ronald and Maxine Linde Professor of Physics

Judith G. Cohen, Ph.D.

Kate Van Nuys Page Professor of Astronomy

Marshall H. Cohen, Ph.D.

Astronomy

Michael C. Cross, Ph.D.

Theoretical Physics

James P. Eisenstein, Ph.D.

Frank J. Roshek Professor of Physics and Applied Physics

Steven C. Frautschi, Ph.D.

Theoretical Physics

Peter M. Goldreich, Ph.D.

Lee A. DuBridge Professor of Astrophysics and Planetary Physics

David L. Goodstein, Ph.D.

Frank J. Gilloon Distinguished Teaching and Service Professor and Professor of Physics and Applied Physics

H. Jeff Kimble, Ph.D., D.Sc.h.c.

William L. Valentine Professor of Physics

Gary A. Lorden, Ph.D.

Mathematics

Thomas A. Prince, Ph.D.

Ira S. Bowen Professor of Astronomy

Eric M. Rains, Ph.D.

Professor of Mathematics

Dinakar Ramakrishnan, Ph.D.

Tausky-Todd-Lonergan Professor of Mathematics

Anthony C. Readhead, Ph.D.

Robinson Professor of Astronomy

Anneila I. Sargent, Ph.D., D.Sc.h.c.

Ira S. Bowen Professor of Astronomy

John H. Schwarz, Ph.D.

Harold Brown Professor of Theoretical Physics

Nicholas Z. Scoville, Ph.D.

Francis L. Moseley Professor of Astronomy

Barry M. Simon, Ph.D., D.Sc.h.c.

IBM Professor of Mathematics and Theoretical Physics

B. Thomas Soifer, Ph.D.

Harold Brown Professor of Physics

Edward C. Stone, Ph.D., D.Sc.h.c.

David W. Morrisroe Professor of Physics

Kip S. Thorne, Ph.D., D.Sc.h.c.,

D.h.c., L.H.D.h.c., Nobel Laureate

Richard P. Feynman Professor of Theoretical Physics

Rochus E. Vogt, Ph.D.

R. Stanton Avery Distinguished Service Professor and Professor of Physics

Richard M. Wilson, Ph.D.

Mathematics

Senior Research Associate

Emeritus

Petr Vogel, Ph.D.

Physics

Professors

Rana Adhikari, Ph.D.

Physics

Jason Alicea, Ph.D.

William K. Davis Professor of Theoretical Physics

Marco Bernardi, Ph.D.

Applied Physics, Physics and Materials Science

James J. Bock, Ph.D.

Physics

Fernando Guadalupe Dos Santos

Lins Brandão, Ph.D.

Bren Professor of Theoretical Physics

Xie Chen, Ph.D.

Theoretical Physics

Yanbei Chen, Ph.D.

Physics

Clifford Cheung, Ph.D.

Theoretical Physics

David Conlon, Ph.D.

Mathematics

S. George Djorgovski, Ph.D.

Astronomy and Data Science

Manuel A. Endres, Ph.D.

Physics; Rosenberg Scholar

Bradley W. Filippone, Ph.D.

Francis L. Moseley Professor of Physics

Matthias Flach, Ph.D.

Mathematics

James Fuller, Ph.D.
Theoretical Astrophysics

Sunil Golwala, Ph.D.
Physics

Thomas Graber, Ph.D.
Mathematics

Sergei Gukov, Ph.D.
*John D. MacArthur Professor of
Theoretical Physics and Mathematics*

Gregg W. Hallinan, Ph.D.
Astronomy

Fiona A. Harrison, Ph.D., D.techn.h.c.
Harold A. Rosen Professor of Physics

Lynne Hillenbrand, Ph.D.
Astronomy

David G. Hitlin, Ph.D.
Physics

Philip F. Hopkins, Ph.D.
*Ira S. Bowen Professor of Theoretical
Astrophysics*

Andrew W. Howard, Ph.D.
Astronomy

David Hsieh, Ph.D.
Donald A. Glaser Professor of Physics

Thomas Hutchcroft, Ph.D.
Mathematics

Philip Isett, Ph.D.
Mathematics

Anton Kapustin, Ph.D.
*Earle C. Anthony Professor of
Theoretical Physics and Mathematics*

Mansi M. Kasliwal, Ph.D.
Astronomy

Nets Katz, Ph.D.
*International Business Machines
Professor of Mathematics*

Alexander S. Kechris, Ph.D., D.h.c.
Mathematics

Alexei Kitaev, Ph.D.
*Ronald and Maxine Linde Professor of
Theoretical Physics & Mathematics*

Shrinivas R. Kulkarni, Ph.D.
*George Ellery Hale Professor of
Astronomy and Planetary Science*

Kenneth G. Libbrecht, Ph.D.
Physics

Nikolai G. Makarov, Ph.D.
*Richard Merkin Distinguished
Professor of Mathematics*

Elena Mantovan, Ph.D.
*Taussky-Todd-Lonergan Professor of
Mathematics*

Matilde Marcolli, Ph.D.
*Robert F. Christy Professor of
Mathematics and Computing and
Mathematical Sciences*

Christopher Martin, Ph.D.
Physics

Dimitri P.Q. Mawet, Ph.D.
*David Morrisroe Professor of
Astronomy*

Olexei Motrunich, Ph.D.
Theoretical Physics

**Harvey B. Newman, Sc.D, D.h.c.,
Marvin L. Goldberger Professor of
Physics**

Yi Ni, Ph.D
Mathematics

Hiroshi Ooguri, Ph.D.
*Fred Kavli Professor of Theoretical
Physics and Mathematics*

Oskar J. Painter, Ph.D.
*John G. Braun Professor of Applied
Physics and Physics*

Ryan Patterson, Ph.D.
Physics

Robert B. Phillips, Ph.D.
*Fred and Nancy Morris Professor of
Biophysics, Biology and Physics*

E. Sterl Phinney, Ph.D.
Theoretical Astrophysics

**H. David Politzer, Ph.D., Nobel
Laureate**
*Richard Chace Tolman Professor of
Theoretical Physics*

Frank C. Porter, Ph.D.
Physics

John P. Preskill, Ph.D.
*Richard P. Feynman Professor of
Theoretical Physics*

Gil Refael, Ph.D.
*Taylor W. Lawrence Professor of
Theoretical Physics*

Thomas F. Rosenbaum, Ph.D.
Physics

Michael L. Roukes, Ph.D.
*Frank J. Roshek Professor of Physics,
Applied Physics and Bioengineering*

Axel Scherer, Ph.D.
*Bernard Neches Professor of Electrical
Engineering, Applied Physics and
Physics; Merkin Institute Professor*

David Simmons-Duffin, Ph.D.
Theoretical Physics

Maria Spiropulu, Ph.D.
Shang-Yi Ch'en Professor of Physics

Charles C. Steidel, Ph.D.
*Lee A. DuBridge Professor of
Astronomy*

Omer Tamuz, Ph.D.
Economics and Mathematics

Saul Teukolsky, Ph.D.
*Robinson Professor of Theoretical
Astrophysics*

Alan J. Weinstein, Ph.D.
Physics

Mark B. Wise, Ph.D.
*John A. McCone Professor of High
Energy Physics*

Nai-Chang Yeh, Ph.D.
*Thomas W. Hogan Professor of
Physics*

Tony Yue Yu, Ph.D.
Mathematics

Xinwen Zhu, Ph.D.
Mathematics

Jonas Zmuidzinis, Ph.D.
Merle Kingsley Professor of Physics

Kathryn M. Zurek, Ph.D.
Theoretical Physics

Assistant Professors

Katherine Bouman, Ph.D.
Astronomy

Katerina Chatziioannou, Ph.D.
Physics

Katherine De Kleer, Ph.D.
Astronomy

Kareem El-Badry, Ph.D.
Astronomy

Nicholas R. Hutzler, Ph.D.,
Physics

Lee P. McCuller, Ph.D.,
Physics

Elias Most, Ph.D.
Theoretical Astrophysics

Vikram Ravi, Ph.D.
Astronomy

Antoine Y. Song, Ph.D.,
Mathematics

Linda Ye, Ph.D.
Physics

Instructors / Teaching Fellows

Ioannis Angelopoulos, Ph.D.
Sherman Fairchild, Mathematics

Catherine Babecki, Ph.D.
*Olga Taussky & John Todd - Von
Karman, Mathematics*

Tim-Henrick Buelles, Ph.D.
*Olga Taussky & John Todd,
Mathematics*

Riccardo Caniato, Ph.D.
*Olga Taussky & John Todd,
Mathematics*

Daren Chen, Ph.D.
*Olga Taussky & John Todd,
Mathematics*

Garrett Ervin, Ph.D.
Harry Bateman, Mathematics

Yu Fu, Ph.D.
Noether, Mathematics

Matthew Gherman, Ph.D.
Hearst, Mathematics

Hyun Chul Jang, Ph.D.
Harry Bateman, Mathematics

Shi-Zhuo Looi, Ph.D.
*Olga Taussky & John Todd,
Mathematics*

Seung-Yeon Ryoo, Ph.D.
*Olga Taussky & John Todd,
Mathematics*

Bjarne Schülke, Ph.D.
Harry Bateman, Mathematics

Josef Svoboda, Ph.D.
Simons Collaboration, Mathematics

Juan Pablo Vigneaux, Ph.D.
*Olga Taussky & John Todd,
Mathematics*

Song Yu, Ph.D.
Caltech-Tsinghua, Mathematics

Roy Zhao, Ph.D.
Caltech-Tsinghua, Mathematics

Lecturers

Eric D. Black, Ph.D.
Physics

Sergi R. Hildebrandt, Ph.D.
Physics

Frank Rice, M.S.
Physics

Research Professors

Bertrand Echenard, Ph.D.

Physics

Matthew Graham, Ph.D.

Astronomy

George Helou, Ph.D.

Physics

Takashi Kurumaji, Ph.D.

Physics

Robert Kirshner, Ph.D.

Astronomy

Richard A. Mewaldt, Ph.D.

Physics

Stephen Padin, Ph.D.

Physics

Michele Papucci, Ph.D.

Physics

David H. Reitze, Ph.D.

Physics

Jack Sayers, Ph.D.

Physics

Mark Scheel, Ph.D.

Physics

Daniel M. Silevitch, Ph.D.

*Physics***Research Assistant Professors**

Liam Connor, Ph.D.

*Astronomy***Senior Faculty Associates**

Charles Beichman, Ph.D.

Astronomy

Olivier Doré, Ph.D.

*Physics***Visiting Associates**

Charles Matt Bradford, Ph.D.

Physics

Alvin J. Chua, Ph.D.

Theoretical Astrophysics

Abigail Crites, Ph.D.

Physics

Curt Cutler, Ph.D.

Physics

Richard Ellis, Ph.D.

Astronomy

Yejun Feng, Ph.D.

Physics

Rupert Frank, Ph.D.

Mathematics

Sergi R. Hildebrandt, Ph.D.

Physics

Joseph W. Lazio, Ph.D.

Astronomy

Patrick Lee, Ph.D.

Physics

Walid Majid, Ph.D.

Physics

Simona Mei, Ph.D.

Physics

Hien T. Nguyen, Ph.D.

Physics

Dov Poznanski, Ph.D.

Astronomy

Michael Ramsey-Musolf, Ph.D.

Physics

Andrew Romero-Wolf, Ph.D.

Astronomy

Philip Stamp, Ph.D.

Physics

Michele Vallisneri, Ph.D.

Physics

Sander Weinreb Ph.D.

Astronomy

Michael Werner, Ph.D.

Astrophysics

Mark E. Wiedenbeck, Ph.D.

*Physics***Visiting Professors**

Paolo Aluffi, Ph.D.

*Mathematics***Members of the Professional Staff**

Rachel Akeson, Ph.D.

Stuart Anderson, Ph.D.

Philip Appleton, Ph.D.

Lee Armus, Ph.D.

Thomas Barlow, Ph.D.

Bruce Berriman, Ph.D.

James Kent Blackburn, Ph.D.

Andrew Boden, Ph.D.

Sean J. Carey, Ph.D.

Robert Carr, M.Phil

Ranga Ram Chary, Ph.D.

David R. Ciardi, Ph.D.

Kieran A. Cleary, Ph.D.

Christina M. S. Cohen, Ph.D.

Walter R. Cook, Ph.D.

Alan C. Cummings, Ph.D.

Roc Cutri, Ph.D.

Richard Dekany, Ph.D.

Valery Frolov, Ph.D.

Dawn M. Galino, Ph.D.

Joseph A. Giaime, Ph.D.
Carl Grillmair, Ph.D.
David A. Imel, Ph.D.
Keita Kawabe, Ph.D.
Davy Kirkpatrick, Ph.D.
Phillip Korngut, Ph.D.
Michael Landry, Ph.D.
Albert Lazzarini, Ph.D.
Richard A. Leske, Ph.D.
Keith Matthews, Ph.D.
Joseph Mazzearella, Ph.D.
Patrick Morris, Ph.D.
J. E. Brian O'Reilly, Ph.D.
Roberta Paladini, Ph.D.
Luisa M. Rebull, Ph.D.
Reed Riddle, Ph.D.
Richard Savage, Ph.D.
Patrick Shopbell, Ph.D.
David Shupe, Ph.D.
Daniel Sigg, Ph.D.
Roger Smith, B.E.
Gordon Squires, Ph.D.
Harry Teplitz, Ph.D.
Schuyler Van Dyk, Ph.D.
Yun Wang, Ph.D.
David P. Woody, Ph.D.
Hiroaki Yamamoto, Ph.D.
Lin Yan, Ph.D.
Ren-Yuan Zhu, Ph.D.
Michael Zucker, Ph.D.

Senior Postdoctoral Scholars

Derek Davis, Ph.D.
Physics

Vihang Mehta, Ph.D.
Astronomy

Sophie Middleton, Ph.D.
Physics

Zoya Vallari, Ph.D.
Physics

Postdoctoral Scholars

Oluwashina Adegoke, Ph.D.
Physics

Tomas Ahumada Mena, Ph.D.
Astronomy

Eric Anschuetz, Ph.D.
Sherman Fairchild, Theoretical Physics

Naoki Aritomi, Ph.D.
Physics

Leonardo Badurina, Ph.D.
Sherman Fairchild, Theoretical Physics

Carina Belvin, Ph.D.
Physics

Nathan Benjamin, Ph.D.
Sherman Fairchild, Theoretical Physics

Kim Berghaus, Ph.D.
Sherman Fairchild, Theoretical Physics

Arielle Bertrou-Cantou Ph.D.
Astronomy

Peter Boormans, Ph.D.
Physics

Luke Bouma, Ph.D.
51 Pegasi b, Astronomy

Iryna Butsky, Ph.D.
Dubridge, Theoretical Astrophysics

Ruby Byrne, Ph.D.
NSF, Astronomy

Ilaria Caiazzo, Ph.D.
Theoretical Astrophysics

Laurie Chu, Ph.D.
Astronomy

Marco Crisostomi, Ph.D.
Marie Curie, Theoretical Astrophysics

Ari Cukierman, Ph.D.
Physics

Torrey Cullen, Ph.D.
Physics

Virginia D'Emilio, Ph.D.
Physics

Fei Dai, Ph.D.
Sagan, Astronomy

Louis Dartez, Ph.D.
Physics

Alejandro Diaz, Ph.D.
Clark B. Millikan, Physics

Zhiyu Dong, Ph.D.
Moore, Theoretical Physics

Andreas Elben, Ph.D.
Sherman Fairchild, Theoretical Physics

Iliya Esin, Ph.D.
Theoretical Physics

Sofia Fatigoni, Ph.D.
Physics

Zili Feng, Ph.D.
Physics

Eliot Finch, Ph.D.
Physics

Ran Finkelstein, Ph.D.
Experimental Prize, Physics

Kyle Finner, Ph.D.
Astronomy

Bengt Flygare, Ph.D.
Astronomy

Pradip Gatkine, Ph.D.
Hubble, Astronomy

Henry Gebhardt, Ph.D.
Physics

Tuvia Gefen, Ph.D.
Theoretical Physics

Steven Giacalone, Ph.D.
NSF, Astronomy

Temple He, Ph.D.
Theoretical Physics

Aaron Hillman, Ph.D.
Dubridge, Theoretical Physics

Xiaoshan Huang, Ph.D.
*Sherman Fairchild, Theoretical
Astrophysics*

Marziye Jafariyazani, Ph.D.
Astronomy

Amruta Jaodand, Ph.D.
Physics

Wenjie Ji, Ph.D.
Theoretical Physics

Aaron Johnson, Ph.D.
Physics

Begüm Kabagöz Ph.D.
Physics

Jae Hwan Kang, Ph.D.
Physics

Hoon Kim, Ph.D.
Physics

Keunho Kim, Ph.D.
Astronomy

Rocio Kiman, Ph.D.
Sherman Fairchild, Astronomy

Kyle Kremer, Ph.D.
Einstein, Theoretical Astrophysics

Yuya Kusuki, Ph.D.
Brinson, Theoretical Physics

Yuna Kwon, Ph.D.
Astronomy

Shao-Lu Lai, Ph.D.
Astronomy

Étienne Lantagne-Hurbutise, Ph.D.
Moore, Theoretical Physics

King Lau, Ph.D.
Physics

Kon Leung, Ph.D.
AWS Quantum, Physics

Yu-Heng Lin, Ph.D.
Astronomy

Xudong LV, Ph.D.
Physics

Ryan Magee, Ph.D.
Physics

Nivedita Mahesh, Ph.D.
David & Ellen Lee, Astronomy

Jean-Marc Martin, Ph.D.
Physics

Aaron Mazel-Gee, Ph.D.
Mathematics

Jacob McNamara, Ph.D.
Dubridge, Theoretical Physics

Patrick Meyers, Ph.D.
Theoretical Astrophysics

Alexey Milekhin, Ph.D.
IQIM, Theoretical Physics

Drew Miles, Ph.D.
Physics

Sara Murciano, Ph.D.
Sherman Fairchild, Theoretical Physics

Gabriel Muro, Ph.D.
Physics

Szymon Nakoneczny, Ph.D.
Astronomy

Edward Nathan, Ph.D.
Physics

Ansel Neunzert, Ph.D.
Physics

Chi Nguyen, Ph.D.
Physics

Ryo Noguchi, Ph.D.
Physics

Stella Ocker, Ph.D.
Brinson, Astronomy

Martijn Oei, Ph.D.
Prize, Astronomy

Michael Pajkos, Ph.D.
Theoretical Astrophysics

Sridip Pal, Ph.D.
Sherman Fairchild, Theoretical Physics

Nondh Panithanpaisal, Ph.D.
Carnegie, Astronomy

Vivek Pareek, Ph.D.
David & Ellen Lee, Physics

Valerio Peri, Ph.D.
Moore, Theoretical Physics

Vincent Picouet, Ph.D.
Physics

Joanna Piotrowska, Ph.D.
Physics

Ryan Plestid, Ph.D.
NTN, Theoretical Physics

Abigail Polin, Ph.D.
Carnegie, Theoretical Astrophysics

Vinand Prayag, Ph.D.
Astronomy

Yu-Jing Qin, Ph.D.
Physics

Karthik Ramanathan, Ph.D.
Troesh, Physics

Susan Redmond, Ph.D.
David & Ellen Lee, Astronomy

Lily Reeves, Ph.D.
NSF, Mathematics

Javier Roulet, Ph.D.
Sherman Fairchild, Theoretical Astrophysics

Pablo Sala de Torres-Solanot, Ph.D.
Sherman Fairchild, Theoretical Physics

Francisco Salces Carcoba, Ph.D.
Barish-Weiss, Physics

Nicole Sanchez, Ph.D.
NSF, Theoretical Astrophysics

Thomas Schuster, Ph.D.
Sherman Fairchild, Theoretical Physics

Gal Shavit, Ph.D.
Sherman Fairchild, Theoretical Physics

Allic Sivaramakrishnan, Ph.D.
Heising Simons, Theoretical Physics

Rafail Skolidis, Ph.D.
Astronomy

Mehdi Soleimanifar, Ph.D.
AWS Quantum, Theoretical Physics

Robert Stein, Ph.D.
Astronomy

Jacob Steiner, Ph.D.
Theoretical Physics

Federica Surace, Ph.D.
AWS Quantum, Theoretical Physics

Kathryn Sutton, Ph.D.
David & Ellen Lee, Physics

Nathanan Tantivasadakam, Ph.D.
Sherman Fairchild, Theoretical Physics

Lucy Thomas, Ph.D.
Physics

Jonathan Thompson, Ph.D.
Physics

Yu Tong, Ph.D.
IQIM, Theoretical Physics

Daichi Tsuna, Ph.D.
Sherman Fairchild, Theoretical Physics

Zachary Vanderbosch, Ph.D.
Physics

Kumar Venkataramanikumar, Ph.D.
Astronomy

Sander Vermeulen, Ph.D.
Physics

Nils Vu, Ph.D.
Sherman Fairchild, Theoretical Physics

Yikun Wang, Ph.D.
David & Ellen Lee, Theoretical Physics

Jordan Wilson-Gerow Ph.D.
Sherman Fairchild, Theoretical Astrophysics

Zigong Xu, Ph.D.
Physics

Chi Zhang, Ph.D.
David & Ellen Lee, Physics

Yapeng Zhang, Ph.D.
51 Pegasi b, Astronomy

Leo Zhou, Ph.D.
Theoretical Physics

Jonathon Zink, Ph.D.
Astronomy

JET PROPULSION LABORATORY

Administered by Caltech for the
National Aeronautics and Space
Administration

Dr. Laurie Leshin
Director

Larry D. James
Deputy Director

Executive Council

David Gallagher
*Associate Director for Strategic
Integration*

Leslie L. Livesay
*Associate Director for Flight Projects
and Mission Success*

Richard Cook
*Mars Sample Return Program
Manager*

Matthew Decker
Chief Data and Information Officer

Suzanne Dodd
Director for Interplanetary Network

James E. Graf
*Director for Earth Science and
Technology*

W. Michael Greene
*Director for Communications and
Education*

Julia McCallin
Acting Director for Human Resources

Sammy Kayali
Chief Financial Officer and Director for Laboratory Operations Integration

Jennifer Lum
Caltech General Counsel

Martin Herman
Director for Safety and Mission Success

Thomas A. Cwik
Chief Technologist

Keyur C. Patel
Director for Astronomy and Physics

Neela Rajendra
Chief Inclusion Officer

Mark Simons
Chief Scientist

Matthew T. Wallace
Director for Planetary Science

Charles W. Whetsel
Director for Engineering and Science

OFFICERS AND FACULTY

Thomas F Rosenbaum, Ph.D.
President; Sonja and William Davidow Presidential Chair; Professor of Physics
A.B., Harvard College, 1977; M.A., Princeton University, 1979; Ph.D., 1982. Professor, Caltech, 2014-; President, 2014-; Davidow Presidential Chair, 2014- .

John N Abelson, Ph.D.
George Beadle Professor of Biology, Emeritus
B.S., Washington State University, 1960; Ph.D., Johns Hopkins University, 1965. Professor, Caltech, 1982-91; Beadle Professor, 1991-2002; Beadle Professor, Emeritus, 2002-; Division Chair, 1989-95.

Yaser Abu-Mostafa, Ph.D.
Professor of Electrical Engineering and Computer Science
B.Sc., Cairo University, 1979; M.S.E.E., Georgia Institute of Technology, 1981; Ph.D., Caltech, 1983. Garrett Research Fellow, Caltech, 1983; Assistant Professor, 1983-89; Associate Professor,

1989-94; Professor, 1994-.

Rana Adhikari, Ph.D.
Professor of Physics
B.S., University of Florida, Gainesville, 1998; Ph.D., Massachusetts Institute of Technology, 2004. Assistant Professor, Caltech, 2006-12; Professor, 2012-.

Jess F Adkins, Ph.D.
Smits Family Professor of Geochemistry and Global Environmental Science
B.S., Haverford College, 1990; Ph.D., Massachusetts Institute of Technology, 1998. Assistant Professor, Caltech, 2000-06; Associate Professor, 2006-10; Professor, 2010-16; Smits Professor, 2017-.

Ralph Adolphs, Ph.D.
Bren Professor of Psychology, Neuroscience, and Biology
B.S., Stanford University, 1986; M.S., 1986; Ph.D., Caltech, 1993. Professor, Caltech, 2004-17; Bren Professor, 2005-; Davis Leadership Chair, 2017-21; Director, Caltech Brain Imaging Center, 2008-13, 2017-21.

Andreas Aebi, Ph.D.
Lecturer in German
M.A., University of Southern California, 1970; Ph.D., 1974. Lecturer in French, Caltech, 1978; Lecturer in German, 1978-83; 1986-; Instructor in German, 1983-1986.

Theodor Agapie, Ph.D.
John Stauffer Professor of Chemistry; Executive Officer for Chemistry
B.S., Massachusetts Institute of Technology, 2001; Ph.D., Caltech, 2007. Assistant Professor, Caltech, 2009-14; Professor, 2014-23; Stauffer Professor, 2023-; Executive Officer, 2021-.

Piyush S Agram, Ph.D.
Visiting Associate in Geophysics
B.Tech., Indian Institute of Technology of Madras, 2004; M.S., Stanford University, 2006; Ph.D., 2010. Caltech, 2014-24.

Marina Agranov, Ph.D.
Professor of Economics
B.A., St. Petersburg State Technical University, 1999; M.A., Tel Aviv University, 2004; Ph.D., New York University, 2010. Assistant Professor, Caltech, 2010-17; Professor, 2017-.

Channing C Ahn, Ph.D.
Lecturer in Applied Physics and Materials Science
B.S., University of California, 1979;

M.S., 1981; Ph.D., University of Bristol, 1985. Senior Research Fellow, Caltech, 1987-92; Senior Research Associate, 1992-2014; Lecturer, 1988; 1990-2009; 2010; 2016-2023.

Arden L Albee, Ph.D.

Professor of Geology and Planetary Science, Emeritus
A.B., Harvard College, 1950; A.M., Harvard University, 1951; Ph.D., 1957. Visiting Assistant Professor, Caltech, 1959-60; Associate Professor, 1960-66; Professor, 1966-2002; Professor, Emeritus, 2002-; Academic Officer, 1971-79; Chief Scientist, Jet Propulsion Laboratory, 1979-84; Dean, Graduate Studies, 1984-2000.

Miguel Alcalde, Ph.D.

Visiting Associate in Chemical Engineering
B.S., University of Madrid, 1993, Ph.D., 1999. Caltech, 2015; 2023.

Jason Alicea, Ph.D.

William K. Davis Professor of Theoretical Physics
B.S., University of Florida, 2001; M.A., University of California, Santa Barbara, 2005; Ph.D., 2007. Associate Professor, Caltech, 2012-15; Professor, 2015-22; Davis Professor, 2022-.

John M Allman, Ph.D.

Frank P. Hixon Professor of Neurobiology
B.A., University of Virginia, 1965; A.M., University of Chicago, 1968; Ph.D., 1971. Assistant Professor, Caltech, 1974-77; Associate Professor, 1977-84; Professor, 1984-89; Hixon Professor, 1989-.

Paolo Aluffi, Ph.D.

Visiting Professor in Mathematics
M.S., University of Turin, 1983; Ph.D., Brown University, 1987. Professor, Florida State University, 2000-. Caltech, 2008-23.

R M Alvarez, Ph.D.

Professor of Political and Computational Social Science
B.A., Carleton College, 1986; M.A., Duke University, 1990; Ph.D., 1992. Assistant Professor, Caltech, 1992-95; Associate Professor, 1995-2002; Professor, 2002-.

Aaron D Ames, Ph.D.

Bren Professor of Mechanical and Civil Engineering and Control and Dynamical Systems
B.S., University of St. Thomas, 2001; B.A., University of St. Thomas, 2001; M.A., University of California,

Berkeley, 2006; Ph.D., 2006. Lecturer, Caltech, 2007; Professor, 2017; Bren Professor, 2017-.

Animashree Anandkumar, Ph.D.

Bren Professor of Computing and Mathematical Sciences
B.S., Indian Institutes of Technology, 2004; Ph.D., Cornell University, 2009. Visiting Associate, Caltech, 2017; Bren Professor, 2017-.

Richard A Andersen, Ph.D.

James G. Boswell Professor of Neuroscience; T&C; Chen Brain-Machine Interface Center Leadership Chair; Director, T&C; Chen Brain-Machine Interface Center
B.S., University of California, Davis, 1973; Ph.D., University of California, San Francisco, 1979. Boswell Professor, Caltech, 1993-; Chen Leadership Chair, 2017-; Director, T&C; Chen Brain-Machine Interface Center, 2017-.

David J Anderson, Ph.D.

Seymour Benzer Professor of Biology; Tianqiao and Chrissy Chen Institute for Neuroscience Leadership Chair; Investigator, Howard Hughes Medical Institute; Director, Tianqiao and Chrissy Chen Institute for Neuroscience
A.B., Harvard University, 1978; Ph.D., Rockefeller University, 1983. Assistant Professor, Caltech, 1986-92; Associate Professor, 1992-96; Professor, 1996-2004; Sperry Professor, 2004-09; Benzer Professor, 2009-; HHMI Investigator, 1989-; Chen Leadership Chair, 2017-; Director, Tianqiao and Chrissy Chen Institute for Neuroscience, 2017-.

Jose E Andrade, Ph.D.

George W. Housner Professor of Civil and Mechanical Engineering
B.S., Florida Institute of Technology, 2001; M.S., Stanford University, 2003; PhD, 2006. Assistant Professor, Caltech, 2010; Associate Professor, 2010-13; Professor, 2013-17; Housner Professor, 2017-; Drinkward Leadership Chair, 2017-22; Executive Officer, 2016-22.

Fred C Anson, Ph.D., D.h.c.

Elizabeth W. Gilloon Professor of Chemistry, Emeritus
B.S., Caltech, 1954; Ph.D., Harvard University, 1957; D.h.c., University of Paris VII, 1993. Instructor, Caltech, 1957-58; Assistant Professor, 1958-62; Associate Professor, 1962-68; Professor, 1968-95; Gilloon Professor, 1995-2001; Gilloon

Professor, Emeritus, 2001-; Executive Officer, 1973-77; Division Chair, 1984-94.

Dimitrios Antsos, Ph.D.
Lecturer in Electrical Engineering
B.S., California Institute of Technology, 1990; M.S., 1991; Ph.D., 1994. Caltech, 1994-99; 2004-10; 2012-18; 2020-21; 2023.

Alexei Aravin, Ph.D.
Professor of Biology
B.S., University of Moscow, 1997; M.Sc., 1998; Ph.D., 2002. Assistant Professor, Caltech, 2009-16; Professor, 2016-.

Ludmilla Aristilde, Ph.D.
Visiting Associate in Environmental Science and Engineering
B.S., Cornell University, 2003; M.S., University of California, 2004, Ph.D., 2008. Caltech, 2022.

Maria del Pilar (Pilar Ariza) Ariza Moreno, Ph.D.
Visiting Associate in Mechanical and Civil Engineering
M.S., University of Seville, 1997; Ph.D., 2002. Visiting Associate in Aerospace, 2003-06; 2007; 2009; 2010-13; 2018; 2019; 2020; 2021-22. Caltech, 2023.

Gloria Arjona, Ph.D.
Lecturer in Spanish
B.A., California State University, 1993; M.A., University of Southern California, 1997; Ph.D., 2002. Caltech, 2000-.

Frances H Arnold, Nobel Laureate, Ph.D., D.h.c.
Linus Pauling Professor of Chemical Engineering, Bioengineering and Biochemistry; Director, Donna and Benjamin M. Rosen Bioengineering Center
B.S., Princeton University, 1979; Ph.D., University of California, 1985; D.h.c., Stockholm University. Visiting Associate, Caltech, 1986; Assistant Professor, 1987-92; Associate Professor, 1992-96; Professor, 1996-2000; Dickinson Professor, 2000-17; Pauling Professor, 2017-; Director, Donna and Benjamin M. Rosen Bioengineering Center, 2013-.

Michael Aschbacher, Ph.D.
Shaler Arthur Haisch Professor of Mathematics, Emeritus
B.S., Caltech, 1966; Ph.D., University of Wisconsin, 1969. Bateman Research Instructor, Caltech, 1970-72; Assistant Professor, 1972-74; Associate Professor, 1974-76; Professor, 1976-96; Haisch

Professor, 1996-2013; Haisch Professor, Emeritus, 2013-; Executive Officer, 1991-94.

Domniki Asimaki, Ph.D.
Professor of Mechanical and Civil Engineering
Dipl., National Technical University of Athens, 1998; M.S., Massachusetts Institute of Technology, 2000; Ph.D., 2004. Professor, Caltech, 2014-.

Paul D Asimow, Ph.D.
Eleanor and John R. McMillan Professor of Geology and Geochemistry
A.B., Harvard University, 1991; M.S., Caltech, 1993; Ph.D., 1997. Assistant Professor, Caltech, 1999-2005; Associate Professor, 2005-2010; Professor, 2010-16; McMillan Professor, 2016-.

Raul Astudillo Marban, Ph.D.
Lecturer in Computing and Mathematical Sciences
B.S., University of Guanajuato, 2016; Ph.D., Cornell University, 2022. Caltech, 2023.

Harry A Atwater, Ph.D.
Otis Booth Leadership Chair, Division of Engineering and Applied Science; Howard Hughes Professor of Applied Physics and Materials Science; Director, Liquid Sunlight Alliance
B.S., Massachusetts Institute of Technology, 1982; M.S., 1983; Ph.D., 1987. Assistant Professor, Caltech, 1988-94; Associate Professor, 1994-99; Professor, 1999-2002; Howard Hughes Professor, 2002-; Director, Resnick Sustainability Institute, 2009-15; Director, Joint Center for Artificial Photosynthesis, 2014-21; Booth Leadership Chair, 2021-; Division Chair, 2021-; Director, Liquid Sunlight Alliance, 2021-.

Joanna M Austin, Ph.D.
Professor of Aerospace
B.E., University of Queensland, 1996; B.S., 1996; M.S., Caltech, 1998; Ph.D., 2003. Professor, Caltech, 2014-.

Jean-Philippe Avouac, Ph.D.
Earle C. Anthony Professor of Geology and Mechanical and Civil Engineering; Associate Director, Center for Autonomous Systems and Technologies
M.E., Ecole Polytechnique, 1987; Ph.D., Institut de Physique du Globe, 1991; Habil., 1992. Professor, Caltech, 2003-11; Anthony Professor, 2012-; Director, Tectonic Observatory, 2004-13; Associate Director, Center

for Autonomous Systems and Technologies, 2022-.

Hyun Ji (Jane) Bae, Ph.D.

Assistant Professor of Aerospace
B.S., Caltech, 2011; Ph.D., Stanford University, 2018. Assistant Professor, Caltech, 2021-.

Mark J Balas, Ph.D.

Visiting Associate in Aerospace
B.S., University of Akron; M.S., University of Maryland, 1970; M.S., University of Denver, 1974; Ph.D., 1974. Caltech, 2011-14; 2017-19; 2021; 2022; 2023.

John D Baldeschwieler, Ph.D.

J. Stanley Johnson Professor and Professor of Chemistry, Emeritus
B.Chem.E., Cornell University, 1956; Ph.D., University of California, 1959. Professor, Caltech, 1973-96; Johnson Professor and Professor, 1996-99; Johnson Professor and Professor, Emeritus, 1999-; Division Chair, 1973-78.

David Baltimore, Nobel Laureate, Ph.D., D.Sc.h.c., D.Phil.h.c.

President Emeritus; Judge Shirley Hufstедler Professor of Biology
B.A., Swarthmore College, 1960; Ph.D., Rockefeller University, 1964; D.Sc.h.c., Swarthmore College; Mount Holyoke College; Mount Sinai Medical Center; Bard College; University of Helsinki; Cold Spring Harbor Laboratory; University of Alabama; California Polytechnic State University; Columbia University; Yale University; Rockefeller University; Harvard University; D.Phil.h.c., Weizmann Institute of Science. Professor, Caltech, 1997-2006; Millikan Professor, 2006-2021; Distinguished Professor, 2021; Hufstедler Professor, 2021-; President, 1997-2006; President Emeritus, 2006-.

Ricardo S Baptista, Ph.D.

von Karman Instructor in Computing and Mathematical Sciences
B.S., University of Toronto, 2015; M.S., Massachusetts Institute of Technology, 2017; Ph.D., 2022. Caltech, 2022-2024.

Barry C Barish, Nobel Laureate, Ph.D., Laurea h.c.

Ronald and Maxine Linde Professor of Physics, Emeritus
B.A., University of California, 1957; Ph.D., 1962; Laurea, h.c., University of Bologna. Research Fellow, Caltech, 1963-66; Assistant Professor, 1966-69; Associate Professor, 1969-72; Professor, 1972-91; Linde

Professor, 1991-2005; Linde Professor, Emeritus, 2005-; Principal Investigator, LIGO, 1994-97; Director, LIGO, 1997-2006.

Alan H (Al) Barr, Ph.D.

Professor of Computer Science
B.S., Rensselaer Polytechnic Institute, 1973; M.S., 1976; Ph.D., 1983. Research Fellow, Caltech, 1984; Assistant Professor, 1984-90; Associate Professor, 1990-98; Professor, 1998-; Executive Officer, 2000-01.

James G Bartlett, Ph.D.

Visiting Associate in Physics
Ph.D., University of California, Berkeley, 1992. Caltech, 2017-22.

Jacqueline K Barton, Ph.D.,

D.Sc.h.c., D.L.h.c.

John G. Kirkwood and Arthur A. Noyes Professor of Chemistry, Emerita
A.B., Barnard College, 1974; Ph.D., Columbia University, 1978; D.Sc.h.c., New Jersey Institute; Kenyon College; Yale University; Hamilton College; Williams College; Lawrence University; Columbia University; D.L.h.c., Skidmore College. Visiting Associate, Caltech, 1989; Professor, 1989-97; Hansch Professor, 1997-17; Kirkwood-Noyes Professor, 2017-22; Division Chair, 2009-19; Davidson Leadership Chair, 2016-19; Kirkwood-Noyes Professor, Emerita, 2022-.

Shyue-Fang Battaglia-Hsu, M.S.

Visiting Associate in Biology and Biological Engineering
M.S., The Ohio State University, 1988; M.S., University of Wisconsin-Madison, 1992; Ph.D., University of Wisconsin-Madison, 1993. Caltech 2022-23.

Konstantin Batygin, Ph.D.

Professor of Planetary Science
B.S., University of California, Santa Cruz, 2008; M.S., Caltech, 2010; Ph.D., 2012. Assistant Professor, Caltech, 2014-19; Van Nuys Page Scholar, 2017-19, Professor, 2019-.

Jesse L (Jack) Beauchamp, Ph.D.

Mary and Charles Ferkel Professor of Chemistry, Emeritus
B.S., Caltech, 1964; Ph.D., Harvard University, 1967. Noyes Research Instructor, Caltech, 1967-69; Assistant Professor, 1969-71; Associate Professor, 1971-74; Professor, 1974-2000; Ferkel Professor, 2000-23; Ferkel Professor, Emeritus, 2023-.

James L (Jim) Beck, Ph.D.
George W. Housner Professor of Engineering and Applied Science, Emeritus
B.Sc., University of Auckland, 1969; M.Sc., 1970; Ph.D., Caltech, 1979. Assistant Professor, 1981-87; Associate Professor, 1987-96; Professor, 1996-2011; Housner Professor, 2012-17; Housner Professor, Emeritus, 2017-; Executive Officer, 1993-98.

Fahmi Bedoui, Ph.D.
Visiting Associate in Chemistry
B.S., ENSIM Mulhouse, 2001; M.Sc., ENS Cachan, 2002; Ph.D., ENSAM Paris Tech, 2005. Caltech, 2015-17, 2023.

Charles Beichman, Ph.D.
Senior Faculty Associate in Astronomy
A.B., Harvard College, 1973, M.S., University of Hawaii, 1975, M.S., 1976; Ph.D., 1979. Visiting Associate, Caltech, 1991-99; 2003-05; 2015-16. Caltech, Senior Faculty Associate, 2005-12; 2015-2016; 2018-26.

Josette Bellan, Ph.D.
Visiting Associate in Mechanical and Civil Engineering
B.S., Lycee Jules Ferry, 1964; M.S., University of Sciences (Paris), 1969; M.S., Princeton University, 1972; Ph.D., 1974. Senior Research Scientist, Jet Propulsion Laboratory, 1997-. Lecturer in Jet Propulsion, Caltech, 1992-93; Visiting Associate in Aeronautics, 1995-2006; Visiting Associate in Mechanical and Civil Engineering, 2006-23.

Paul M Bellan, Ph.D.
Professor of Applied Physics
B.Sc., University of Manitoba, 1970; M.A., Princeton University, 1972; Ph.D., 1976. Assistant Professor, Caltech, 1977-83; Associate Professor, 1983-89; Professor, 1990-.

John E Bercaw, Ph.D.
Centennial Professor of Chemistry, Emeritus
B.S., North Carolina State University, 1967; Ph.D., University of Michigan, 1971. Noyes Research Fellow, Caltech, 1972-74; Assistant Professor, 1974-77; Associate Professor, 1977-79; Professor, 1979-93; Shell Distinguished Professor, 1985-90; Centennial Professor, 1993-2015; Centennial Professor, Emeritus, 2015-; Executive Officer, 1999-2002.

Leonid Beryland, Ph.D.
Visiting Associate in Computing and Mathematical Sciences

Ph.D., Kharkov State University, 1984. Caltech, 2023.

Marco Bernardi, Ph.D.
Professor of Applied Physics, Physics and Materials Science
B.S., University of Rome La Sapienza, 2004; M.S., University of Rome Tor Vergata, 2008; Ph.D., Massachusetts Institute of Technology, 2013. Assistant Professor, Caltech, 2015-21; Professor, 2021-.

Caitlin Berrigan, M.S.
Lecturer in Visual Culture
B.A., Hampshire College, 2004; M.S., Massachusetts Institute of Technology. Caltech, 2022-2023.

Kaushik Bhattacharya, Ph.D.
Howell N. Tyson, Sr., Professor of Mechanics and Materials Science; Vice Provost
B.Tech., Indian Institute of Technology, 1986; Ph.D., University of Minnesota, 1991. Assistant Professor, Caltech, 1993-99; Associate Professor, 1999-2000; Professor, 2000-10; Tyson, Sr., Professor, 2010-; Executive Officer, 2007-16; Vice Provost, 2016-.

Christopher P (Chris) Bickford, Ph.D.
Lecturer in Engineering
B.S., University of Oklahoma, 2001; M.S., Northern University, Arizona, 2005; Ph.D., University of New Mexico Albuquerque, 2009. Caltech, 2022-23.

Kathryn Bikle
Lecturer in Chemistry
B.A., University of California (Santa Cruz), 1981; M.A., University of California, 1984. Lecturer in Chemistry, Caltech, 2000-17, 2022, 2023; Lecturer in Geology, 2000-14; 2015; 2016; 2017; 2018; 2019; 2020; 2021; 2022; 2023.

Nur A (Ady) Binti Ainul Annur, Ph.D.
Visiting Associate in Physics
B.S., University of Sheffield, 2013; Ph.D., Durham University, United Kingdom, 2018. Caltech, 2023.

Pamela J Bjorkman, Ph.D.
David Baltimore Professor of Biology and Biological Engineering; Merkin Institute Professor
B.A., University of Oregon, 1978; Ph.D., Harvard University, 1984. Assistant Professor, Caltech, 1989-95; Associate Professor, 1995-98; Professor, 1998-2004; Delbruck Professor, 2004-15; Centennial Professor, 2015-18; Baltimore Professor, 2018-; Merkin Institute

Professor, 2021-; HHMI Investigator, 1989-2015; Executive Officer, 2000-06, 2020-22.

Eric Black, Ph.D.

Lecturer in Physics

B.S., University of Tennessee, 1991; M.S., University of Colorado, 1994; Ph.D., 1996. Caltech, 2001-23.

Geoffrey A (Geoff) Blake, Ph.D.

Professor of Cosmochemistry and Planetary Sciences and Professor of Chemistry

B.S., Duke University, 1981; Ph.D., Caltech, 1986. Assistant Professor, 1987-93; Associate Professor, 1993-97; Professor, 1997-; Deputy Director, Owens Valley Radio Observatory, 2000-06; Master, Student Houses, 2009-14.

Adam Blank, M.S.

Teaching Professor of Computing and Mathematical Sciences; Academic Director, First-Year Success Research Institute

B.S., Carnegie Mellon University, 2012; M.S., 2014. Lecturer in Computing and Mathematical Sciences, 2018-2020; Teaching Assistant Professor of Computing and Mathematical Sciences, 2020-2022; Caltech, 2022-.

Guillaume Blanquart, Ph.D.

Professor of Mechanical Engineering
B.S., M.S., Ecole Polytechnique, 2002; M.S., Stanford University, 2004; Ph.D., 2008. Assistant Professor, Caltech, 2009-15; Professor, 2015-.

Henry Blauvelt, Ph.D.

Visiting Associate in Applied Physics and Materials Science

B.S., Cornell University, 1978; Ph.D., California Institute of Technology, 1983. Caltech, 2020-23.

James J (Jamie) Bock, Ph.D.

Professor of Physics; Jet Propulsion Laboratory Senior Research Scientist

B.S., Duke University, 1987; M.A., University of California, Berkeley, 1990; Ph.D., 1994. Jet Propulsion Laboratory Research Scientist, 1994-2012; Visiting Associate, Caltech, 1994-2008; Senior Faculty Associate, 2008-12; Professor, 2012-; Jet Propulsion Laboratory Senior Research Scientist, 2012-.

Justin S Bois, Ph.D.

Teaching Professor of Biology and Biological Engineering

B.S., University of Illinois (Urbana-Champaign), 1999; Ph.D., Caltech, 2007. Caltech, 2014-.

Simona Bordoni, Ph.D.

Visiting Associate in Environmental Science and Engineering

Dipl., University of Rome Tor Vergata, 1996; M.S., University of California (Los Angeles), 2003; Ph.D., 2007. Moore Postdoctoral Fellow, Caltech, 2007; Assistant Professor, 2009-17; Professor, 2017-2022; Visiting Associate, 2022-2023.

Katherine L (Katie) Bouman, Ph.D.

Assistant Professor of Computing and Mathematical Sciences, Electrical Engineering and Astronomy;

Rosenberg Scholar; Investigator, Heritage Medical Research Institute
B.S., University of Michigan, Ann Arbor, 2011; M.S., Massachusetts Institute of Technology, 2013; Ph.D., 2017. Visiting Associate, Caltech, 2018-19; Assistant Professor, 2019-; Rosenberg Scholar, 2019-; HHMI Investigator, 2021-.

Charles M (Matt) Bradford, Ph.D.

Visiting Associate in Physics

B.S., Stanford University, 1994; Ph.D., Cornell University, 2001. Research Scientist, Jet Propulsion Laboratory, 2003-. Caltech, 2004-25.

John F Brady, Ph.D.

Chevron Professor of Chemical Engineering and Mechanical Engineering

B.S., University of Pennsylvania, 1975; M.S., Stanford University, 1977; Ph.D., 1981. Associate Professor, Caltech, 1985-89; Professor, 1990-99; Chevron Professor, 1999-; Executive Officer, 1993-99, 2013-19.

Robert D (Bobby) Braun, Ph.D.

Bren Professor of Aerospace

B.S., Pennsylvania State University, 1987; M.S., George Washington University, 1989; Ph.D., Stanford University, 1996. Moore Distinguished Scholar, Caltech, 2015; Professor, 2020-21; Bren Professor, 2021-.

Amy J Braverman, Ph.D.

Visiting Associate in Computing and Mathematical Sciences

B.A., Swarthmore College, 1982; M.A., University of California (Los Angeles), 1992; Ph.D., 1999. Caltech, 2018-23.

Lindsay R Bremner, Ph.D.

Lecturer in Biology and Biological Engineering

B.A., St. Catherines College, 2000; Ph.D., University College London, 2007. Caltech, 2013-22.

Christopher E Brennen, D.Phil.

Richard L. and Dorothy M. Hayman

Professor of Mechanical Engineering, Emeritus
B.A., University of Oxford, 1963; M.A., D.Phil., 1966. Research Fellow, Caltech, 1969-72; Senior Research Fellow, 1972-75; Research Associate, 1975-76; Associate Professor, 1976-82; Professor, 1982-2005; Hayman Professor, 2005-10; Hayman Professor, Emeritus, 2010-; Master, Student Houses, 1983-87; Dean, Students, 1988-92; Executive Officer, 1993-97; Vice President, Student Affairs, 1997-2002.

John Brewer, Ph.D.
Eli and Edythe Broad Professor of History and Literature, Emeritus
B.A., University of Cambridge, 1968; M.A., 1972; Ph.D., 1973; M.A. Honorary Degree, Harvard University. Moore Distinguished Scholar, Caltech, 2001; Professor, 2002-; Broad Professor, 2003-16; Broad Professor, Emeritus, 2017-.

William B Bridges, Ph.D.
Carl F Braun Professor of Engineering, Emeritus
B.S., University of California, 1956; M.S., 1957; Ph.D., 1962. Sherman Fairchild Distinguished Scholar, Caltech, 1974-75; Professor, 1977-83; Braun Professor, 1983-2002; Braun Professor, Emeritus, 2002-; Executive Officer, 1978-81.

Alaina A Brinley, Ph.D.
Visiting Associate in Electrical Engineering
B.A., Kalamazoo College, 2007; Ph.D., University of Texas Southwestern Medical Center, 2012; M.D., 2016; Caltech, 2016-24.

Charles J Brokaw, Ph.D.
Professor of Biology, Emeritus
B.S., Caltech, 1955; Ph.D., University of Cambridge, 1958. Visiting Assistant Professor, Caltech, 1960; Assistant Professor, 1961-63; Associate Professor, 1963-68; Professor, 1968-2000; Professor, Emeritus, 2000-. Executive Officer, 1976-80, 1985-89; Associate Division Chair, 1980-85.

Marianne Bronner, Ph.D.
Edward B. Lewis Professor of Biology; Director of the Beckman Institute
Sc.B., Brown University, 1975; Ph.D., Johns Hopkins University, 1979. Professor, Caltech, 1996-2000; Ruddock Professor, 2000-21; Distinguished Professor, 2021; Lewis Professor, 2021-; Executive Officer, 2013-16; Director, Beckman Institute,

2019-.

Norman H Brooks, Ph.D.
James Irvine Professor of Environmental and Civil Engineering, Emeritus
A.B., Harvard College, 1949; M.S., Harvard University, 1950; Ph.D., Caltech, 1954. Instructor, 1953-54; Assistant Professor, 1954-58; Associate Professor, 1958-62; Professor, 1962-76; Irvine Professor, 1976-95; Irvine Professor, Emeritus, 1995-; Academic Officer, 1972-74; Director, Environmental Quality Laboratory, 1974-93; Executive Officer, 1985-93.

Michael E (Mike) Brown, Ph.D.
Richard and Barbara Rosenberg Professor of Planetary Astronomy; Terence D. Barr Leadership Chair, Center for Comparative Planetary Evolution; Director, Caltech Center for Comparative Planetary Evolution
A.B., Princeton University, 1987; M.A., University of California, 1990; Ph.D., 1994. Visiting Associate, Caltech, 1995; Assistant Professor, 1997-2002; Associate Professor, 2002-04; Professor, 2005-2008; Rosenberg Professor, 2008-; Barr Leadership Chair, 2021-, Director, Caltech Center for Comparative Planetary Evolution, 2020-.

Warren C Brown, Ph.D.
Professor of History
B.S., Tufts University, 1985; M.A., University of Cincinnati, 1993; Ph.D., University of California, Los Angeles, 1997. Assistant Professor, Caltech 1997-2003; Associate Professor, 2003-10; Professor, 2010-.

Jehoshua (Shuki) Bruck, Ph.D.
Gordon and Betty Moore Professor of Computation and Neural Systems and Electrical Engineering
B.Sc., Technion-Israel Institute of Technology, 1982; M.Sc., 1985; Ph.D., Stanford University, 1989. Associate Professor, Caltech, 1994-98; Professor, 1998-2001; Moore Professor, 2001-; Director, Information Science and Technology, 2003-05.

Oscar P Bruno, Ph.D.
Professor of Applied and Computational Mathematics
Lic., University of Buenos Aires, 1982; Ph.D., New York University, Courant Institute of Mathematical Sciences, 1989. Associate Professor, Caltech, 1995-98; Professor, 1998-; Executive Officer, 1998-2000.

Claire E Bucholz, Ph.D.
Assistant Professor of Geology
B.S., Yale University, 2009; Ph. D.,
Massachusetts Institute of
Technology, 2016. Assistant
Professor, Caltech, 2017-.

Jed Z Buchwald, Ph.D.
*Doris and Henry Dreyfuss Professor of
History*
B.A., Princeton University, 1971; M.A.,
Harvard University, 1973; Ph.D., 1974.
Dreyfuss Professor, Caltech, 2001-.

Joel W Burdick, Ph.D.
*Richard L. and Dorothy M. Hayman
Professor of Mechanical Engineering
and Bioengineering; Jet Propulsion
Laboratory Research Scientist*
B.S., Duke University, 1981; M.S.,
Stanford University, 1982; Ph.D.,
1988. Assistant Professor, Caltech,
1988-94; Associate Professor,
1994-2000; Professor, 2000-12;
Hayman Professor, 2012-; Executive
Officer, 2006-07; Jet Propulsion
Laboratory Research Scientist, 2014-.

Erin Burkett, Ph.D.
*Lecturer in Engineering, STEM Writing
Specialist*
B.S., University of Delaware, 2004;
Ph.D., University of California (Davis),
2010. Caltech, 2018-23.

Donald S Burnett, Ph.D.
*Professor of Nuclear Geochemistry,
Emeritus*
B.S., University of Chicago, 1959;
Ph.D., University of California, 1963.
Research Fellow, Caltech, 1963-65;
Assistant Professor, 1965-68;
Associate Professor, 1968-75;
Professor, 1975-2006; Professor,
Emeritus, 2006-; Academic Officer,
1979-87.

Phil Buskohl, Ph.D.
*Visiting Associate in Mechanical and
Civil Engineering*
B.S., Cedarville University, 2006;
Ph.D., Cornell University, 2012.
Caltech, 2023.

Muruvvet I Buyukboyaci, Ph.D.
Visiting Associate in Economics
B.S., Bilkent University, 2005; M.A.,
Sabanci University, 2007; Ph.D.,
Caltech, 2013. Caltech 2022-23.

Gentian Buzi, Ph.D.
*Visiting Associate in Computing and
Mathematical Sciences*
B.S., The State University of New
York; M.S., California Institute of
Technology, 2002; Ph.D., 2009.
Lecturer; 2009-11. Caltech; 2019-24.

Long Cai, Ph.D.
*Professor of Biology and Biological
Engineering*
B.A, Harvard University, 2001; Ph.D.,
2006. Visiting Associate, Caltech,
2017-18; Assistant Professor,
2010-17; Research Professor,
2017-18; Professor, 2018-.

Joern Callies, Ph.D.
*Professor of Oceanography and
Environmental Science*
M.S., University of Hamburg, 2011;
Ph.D., Massachusetts Institute of
Technology, 2015. Assistant
Professor, Caltech, 2017-23;
Professor, 2023-.

Colin F Camerer, Ph.D.
*Robert Kirby Professor of Behavioral
Economics; T&C; Chen Center for
Social and Decision Neuroscience
Leadership Chair; Director, T&C; Chen
Center for Social and Decision
Neuroscience*
B.A., Johns Hopkins University, 1976;
M.B.A., University of Chicago, 1979;
Ph.D., 1981. Visiting Associate,
Caltech, 1993; Axline Professor,
1994-2008; Kirby Professor, 2008-;
Chen Leadership Chair, 2017-;
Director, Chen Center for Social and
Decision Neuroscience, 2017-;
Executive Officer, 2017-19.

Stefano Campagnola, Ph.D.
Lecturer in Aerospace
M.S., Politecnico Di Milano, 2002;
Ph.D., University of Southern
California, 2010. Caltech, 2018; 2019;
2020; 2021; 2022.

Judith L Campbell, Ph.D.
Professor of Chemistry and Biology
B.A., Wellesley College, 1965; Ph.D.,
Harvard University, 1974. Assistant
Professor, Caltech, 1977-83;
Associate Professor, 1983-89;
Professor, 1989-.

Chun Jun (Charles) Cao, Ph.D.
*Visiting Associate in Theoretical
Physics*
Ph.D., California Institute of
Technology, 2018. Caltech 2022-23.

Mengyi Cao, Ph.D.
*Visiting Associate in Biology and
Biological Engineering*
B.A., Colorado College, 2011; Ph.D.,
University of Wisconsin-Madison,
2017. Caltech, 2023-26.

Peter P Caradonna, Ph.D.
Assistant Professor of Economics
B.A., Boston University, 2011; M.Phil.,
University of Oxford, 2013; M.A.
Georgetown University, 2017; Ph.D.,

2022. Assistant Professor, Caltech, 2022-.

Jean-Lou A Chameau, Ph.D., D.Sc.h.c.

President Emeritus
Ing., Ecole Nationale Supérieure D'Arts et Métiers, 1976; M.S., Stanford University, 1977; Ph.D., 1981; D.Sc.h.c., Occidental College. Professor, 2006-13; Davidow Presidential Professor, 2013; President, 2006-13; President Emeritus, 2013-.

David C Chan, Ph.D.

Harold and Violet Alvarez Professor of Biology; Dean of Graduate Studies
A.B., Harvard College, 1988; M.D., Harvard Medical School, 1996; Ph.D., 1996. Assistant Professor, Caltech, 2000-06; Bren Scholar, 2000-06; Associate Professor, 2006-10; Professor, 2010-23; Alvarez Professor, 2023-; Dean, Graduate Studies, 2020-; HHMI Investigator, 2008-14.

Garnet K Chan, Ph.D.

Bren Professor of Chemistry
B.A., University of Cambridge, 1996; M.A., 2000; Ph.D., 2000. Moore Distinguished Scholar, Caltech, 2014, 2015; Bren Professor, 2016-.

Sunney I Chan, Ph.D.

George Grant Hoag Professor of Biophysical Chemistry, Emeritus
B.S., University of California, 1957; Ph.D., 1961. Assistant Professor, Caltech, 1963-64; Associate Professor, 1964-68; Professor, 1968-92; Hoag Professor, 1992-2001; Hoag Professor, Emeritus, 2002-; Acting Executive Officer, 1977-78; Executive Officer, 1978-80, 1989-94; Master, Student Houses, 1980-83.

Venkat Chandrasekaran, Ph.D.

Professor of Computing and Mathematical Sciences and Electrical Engineering
B.A., Rice University, 2005; B.S., 2005; M.S., Massachusetts Institute of Technology, 2007; Ph.D., 2011. Assistant Professor, Caltech, 2012-17; Professor, 2017-.

Kianthra M (Mani) Chandy, Ph.D.

Simon Ramo Professor of Computer Science, Emeritus
B.Tech., Indian Institute of Technology, 1965; M.S., Polytechnic Institute of Brooklyn, 1966; Ph.D., Massachusetts Institute of Technology, 1969. Sherman Fairchild Distinguished Scholar, Caltech, 1988; Visiting Professor, 1988-89; Professor, 1989-97; Ramo Professor, 1997-2014;

Ramo Professor, Emeritus, 2014-; Executive Officer, 1997-2000; Deputy Chair, 2009-12.

Katerina Chatziioannou, Ph.D.

Assistant Professor of Physics; William H. Hurt Scholar
B.S., University of Athens, 2010; M.S., Montana State University, 2013; Ph.D., 2016. Assistant Professor, Caltech, 2020-; Hurt Scholar, 2021-.

Ho-Lin Chen, Ph.D.

Visiting Associate in Electrical Engineering
B.S., National Taiwan University, 2000; Ph.D., Stanford University, 2007. Caltech, 2023.

Lijun Chen, Ph.D.

Visiting Associate in Computing and Mathematical Sciences
B.S., University of Science and Technology, China, 1995; M.S., Institute of Theoretical Physics, China, 1998; M.S., University of Maryland, College Park, 2001; Ph.D., California Institute of Technology, 2007. Caltech, 2012-14, 2015-17, 2022-24.

Xie Chen, Ph.D.

Professor of Theoretical Physics
B.S., Tsinghua University, 2006; Ph.D., Massachusetts Institute of Technology, 2012. Assistant Professor, Caltech, 2014-17; Associate Professor, 2017-19; Professor, 2019-.

Yanbei Chen, Ph.D.

Professor of Physics
B.S., Peking University, 1999; Ph.D., Caltech, 2003. Visiting Associate, Caltech, 2005-07; Assistant Professor, 2007-10; Associate Professor, 2010-13; Professor, 2013-.

David F Chernoff, Ph.D.

Visiting Associate in Physics
Ph.D., University of California, 1985. Professor, Cornell University, 1999-. Caltech, 2001; 2009.

Clifford W Cheung, Ph.D.

Professor of Theoretical Physics
B.S., Yale University, 2004; M.A., Harvard University, 2006; Ph.D., 2009. Assistant Professor, Caltech, 2012-19; Professor, 2019-.

Kangwoo Cho, Ph.D.

Visiting Associate in Environmental Science and Engineering
B.S., Seoul National University, 2004; M.S., 2006; Ph.D., California Institute of Technology, 2015. Caltech, 2023-24.

Anne Chomyn, Ph.D.

Senior Research Associate in Biology, Emeritus

B.S., Drexel University, 1972; Ph.D., Caltech, 1978. Research Fellow, 1978-82; Senior Research Fellow, 1982-87; Senior Research Associate, 1989-2007; Senior Research Associate Emeritus, 2007-; Lecturer in Biology, 2007.

Shasha Chong, Ph.D.

Assistant Professor of Chemistry; Ronald and JoAnne Willens Scholar

B.S., University of Science and Technology of China, 2008; Ph.D., Harvard University, 2014. Visiting Associate, Caltech, 2020-21; Assistant Professor, 2021-; Willens Scholar, 2021-.

Tsui-Fen Chou, Ph.D.

Research Professor of Biology and Biological Engineering

B.S., National Taiwan University, 1999; Ph.D., University of Minnesota, 2006. Caltech, 2018-.

Vasileios N Christopoulos, Ph.D.

Visiting Associate in Biology and Biological Engineering

B.S., Technical University of Crete, 2003; M.S., University of Minnesota, 2005; Ph.D., 2010. Caltech, 2019-24.

Alvin J Chua, Ph.D.

Visiting Associate in Theoretical Astrophysics

B.A., Nanyang Technology University, 2006; B.S., Australian National University, 2012; Ph.D., University of Cambridge, 2017. Caltech 2022-23.

Soon Jo Chung, Ph.D.

Bren Professor of Control and Dynamical Systems; Jet Propulsion Laboratory Senior Research Scientist

B.S., Korea Advanced Institute of Science and Technology, 1998; S.M., Massachusetts Institute of Technology, 2002; Sc.D., 2007. Associate Professor, Caltech, 2016-18; Professor, 2018-19; Bren Scholar, 2016-19; Bren Professor, 2019-; Jet Propulsion Laboratory Research Scientist, 2016-22; Jet Propulsion Laboratory Senior Research Scientist, 2022-.

Jordan Claridge, Ph.D.

Visiting Associate in Economic History

B.A., University of Alberta, 2009; M.A., 2011; Ph.D., University of East Anglia, 2016. Caltech, 2022.

Anthony J (Tony) Clark, Ph.D.

Visiting Associate in Computing and Mathematical Sciences

B.S., Kansas State University, 2009; Ph.D., Michigan State University, 2016. Caltech, 2023-24.

Catherine E Clark, Ph.D.

Visiting Associate in History and Visual Culture

B.A., Swarthmore College, 2004; M.A., Columbia University, 2005; Ph.D., University of Southern California, 2012. Caltech, 2022-24.

Robert W Clayton, Ph.D.

Professor of Geophysics, Emeritus

B.A.Sc., University of Toronto, 1973; M.Sc., University of British Columbia, 1976; Ph.D., Stanford University, 1981. Assistant Professor, Caltech, 1981-85; Associate Professor, 1985-89; Professor, 1989-2023; Professor, Emeritus, 2023-; Executive Officer, 1987-94; Acting Director, Seismological Laboratory, 1989; 2008-09; Deputy Director, Seismological Laboratory, 1989-90; Academic Officer, 2008-19.

William M (Bill) Clemons, Ph.D.

Arthur and Marian Hanisch Memorial Professor of Biochemistry

B.S., Virginia Polytechnic Institute and State University, 1995; Ph.D., University of Utah, 2000. Assistant Professor, Caltech, 2005-13; Professor, 2013-21; Hanisch Professor, 2021-.

Elizabeth S Cochran, Ph.D.

Visiting Associate in Geophysics

B.S., University of California (Santa Barbara), 2000; M.S., University of California (Los Angeles), 2003; Ph.D., 2005. Caltech, 2011-23.

Judith G Cohen, Ph.D.

Kate Van Nuys Page Professor of Astronomy, Emeritus

B.A., Radcliffe College, 1967; M.S., Caltech, 1969; Ph.D., 1971; B.S., University of Arizona, 1978. Associate Professor, Caltech, 1979-88; Professor, 1988-2005; Page Professor, 2005-18; Page Professor, Emeritus, 2018-; Executive Officer, 1995-96.

Marshall H Cohen, Ph.D.

Professor of Astronomy, Emeritus

B.E.E., Ohio State University, 1948; M.S., 1949; Ph.D., 1952. Visiting Associate Professor, Caltech, 1965; Professor, 1968-95; Professor, Emeritus, 1995-; Executive Officer, 1981-85.

Andres Collazo, Ph.D.

Lecturer in Biology and Biological

Engineering

B.S., Cornell University, 1985; Ph.D., University of California, 1990. Scientist II, Section Chief, House Ear Institute, 2000-. Research Fellow, Caltech, 1991-94; Senior Research Fellow, 1994-96; Visiting Associate, 2005-10; Lecturer, 2015-23.

Tim Colonius, Ph.D.

Frank and Ora Lee Marble Professor of Mechanical Engineering and Medical Engineering; Cecil and Sally Drinkward Leadership Chair, Department of Mechanical and Civil Engineering; Executive Officer for Mechanical and Civil Engineering
B.S., University of Michigan, Ann Arbor, 1987; M.S., Stanford University, 1988; Ph.D., 1994. Assistant Professor, Caltech, 1994-2000; Associate Professor, 2000-05; Professor, 2005-16; Marble Professor, 2017-; Drinkward Leadership Chair, 2022-; Executive Officer, 2022-.

David Conlon, Ph.D.

Professor of Mathematics
B.A., University of Dublin Trinity College, 2003; M.A., University of Cambridge, 2006; Ph.D., University of Cambridge, 2009; Moore Distinguished Scholar, Caltech, 2018; Professor, 2019-.

Robert D (Dale) Conner, Ph.D.

Visiting Associate in Applied Physics and Materials Science
B.S., California State Polytechnic University, 1989; M.S., California Institute of Technology, 1994; Ph.D., 1998. Assistant Professor, California State University (Northridge), 2006-. Lecturer, 2002-04; Senior Research Fellow, 2003-06; Caltech, 2001-02; 2006-24.

Asantha Cooray, Ph.D.

Visiting Associate in Physics
B.S., Massachusetts Institute of Technology, 1997; M.S., 1997; M.S., University of Chicago, 1998; Ph.D., 2001. Assistant Professor, University of California (Irvine), 2005-. Sherman Fairchild Senior Research Fellow, Caltech, 2001-05; Visiting Associate, 2005-23.

Anne-Clemence Corninboeuf, Ph.D.

Visiting Associate in Chemistry
Ph.D., University of Geneva, 2004. Caltech, 2022.

Abigail T Crites, Ph.D.

Visiting Associate in Physics
Ph.D., University of Chicago, 2013. Caltech 20-24.

Michael C Cross, Ph.D.

Professor of Theoretical Physics, Emeritus
B.A., University of Cambridge, 1972; Ph.D., 1975. Professor, Caltech, 1984-2016; Professor, Emeritus, 2016-.

Fred E Culick, Ph.D.

Richard L. and Dorothy M. Hayman Professor of Mechanical Engineering and Professor of Jet Propulsion, Emeritus
S.B., S.M., Massachusetts Institute of Technology, 1957; Ph.D., 1961. Research Fellow, Caltech, 1961-63; Assistant Professor, 1963-66; Associate Professor, 1966-71; Professor, 1971-2004; Hayman Professor, 1997-2004; Hayman Professor, Emeritus, 2004-.

Scott K Cushing, Ph.D.

Assistant Professor of Chemistry
B.S., West Virginia University, Morgantown, 2011; Ph.D., 2015; Visiting Associate, Caltech, 2018; Assistant Professor, 2018-.

Curt J Cutler, Ph.D.

Visiting Associate in Theoretical Astrophysics
B.S., Yale University, 1983; Ph.D., 1989. Caltech, Senior Faculty Associate, 2006-22; Visiting Associate, 1999-2006, 2022-25.

Jaksa Cvitanic, Ph.D.

Richard N. Merkin Professor of Mathematical Finance
B.A., University of Zagreb (Croatia), 1985; M.S., 1988; M.Phil., Columbia University, 1991; Ph.D., 1992. Professor, Caltech, 2005-13; Merkin Professor, 2013-; Associate Director, Ronald and Maxine Linde Institute of Economic and Management Sciences, 2015-16; Director, Ronald and Maxine Linde Institute of Economic and Management Sciences, 2016-22.

John O Dabiri, Ph.D.

Centennial Professor of Aeronautics and Mechanical Engineering
B.S., Princeton, 2001; M.S., Caltech, 2003; Ph.D., 2005. Assistant Professor, Caltech, 2005-09; Associate Professor, 2009-10; Professor, 2010-16; Visiting Associate, 2019; Centennial Professor, 2019-; Dean, Undergraduate Students, 2014-16.

Melissa Dabiri, Ph.D.

Interim Associate Director of University Teaching, Lecturer in Engineering
B.A., Azusa Pacific University, 2001; M.A., 2004; Ph.D., 2011. Caltech,

2014-15; 2021-23.

Nathan F Dalleska, Ph.D.

Lecturer in Environmental Science and Engineering

M.S., University of Minnesota, 1988; Ph.D., University of Utah, 1993. Lecturer in Chemistry, 2008; 2009; 2010; 2011; 2014; 2017-18; Lecturer in Geochemistry, 2016; 2018-20; 2020; 2022. Lecturer in Environmental Science and Engineering, 2003-06; 2023.

Chiara Daraio, Ph.D.

G. Bradford Jones Professor of Mechanical Engineering and Applied Physics; Investigator, Heritage Medical Research Institute

B.S.; M.S., University of Ancona (Italy), 2001; M.S., University of California, San Diego, 2003; Ph.D., 2006. Assistant Professor, Caltech, 2006-10; Professor, 2011-21; Jones Professor, 2021-; HMRI Investigator, 2021-.

Siddharth Dasgupta, Ph.D.

Visiting Associate in Chemistry

B.S., IIT Kanpur, 1980; M.S., 2005; M.B.A., University of California, Los Angeles, 2002; Ph.D., Princeton University, 1985. Caltech, 2019-24.

Mark E Davis, Ph.D.

Warren and Katharine Schlinger Professor of Chemical Engineering, Emeritus

B.S., University of Kentucky, 1977; M.S., 1978; Ph.D., 1981. Professor, Caltech, 1991-93; Schlinger Professor, 1993-23; Schlinger Professor, Emeritus, 2023-; Executive Officer, 1999-2004.

Katherine R de Kleer, Ph.D.

Assistant Professor of Planetary Science and Astronomy; Hufstедler Family Scholar

B.Sc., Massachusetts Institute of Technology, 2009; M.A., University of California, Berkeley, 2013; Ph.D., 2017. Assistant Professor, Caltech, 2019-; Hufstедler Family Scholar, 2022-.

Ramit Debnath, Ph.D.

Visiting Associate in Computational Social Science

B.A., Sharda University, 2014; M.A., Indian Institute of Technology, Bombay, 2016; M.A., University of Cambridge, 2018; Ph.D., 2021. Caltech, 2021-23.

John V Decemvirale, Ph.D.

Weisman Postdoctoral Instructor in Visual Culture and Caltech Presidential Postdoctoral Fellow

BA, New York University, 2006; MA, Royal College of Art, 2010; Ph.D., University of California (Santa Barbra), 2021. Caltech 2021-2023.

Gozde S Demirer, Ph.D.

Clare Boothe Luce Assistant Professor of Chemical Engineering

B.S., Koc University, 2015; Ph.D., University of California, Berkeley, 2020. Booth Luce Assistant Professor, Caltech, 2022-.

Eugene A Demler, Ph.D.

Moore Distinguished Scholar

M.S., Moscow Institute of Physics and Technology, 1993; Ph.D., Stanford University, 1998. Caltech, 2023.

Tracy K Dennison, Ph.D.

Edie and Lew Wasserman Professor of Social Science History; Ronald and Maxine Linde Leadership Chair, Division of the Humanities and Social Sciences

B.A., Bucknell University, 1992; M.Phil., University of Oxford, 1999; Ph.D., University of Cambridge, 2004. Assistant Professor, Caltech, 2006-09; Associate Professor, 2009-11; Professor, 2011-2022; Wasserman Professor, 2022-; Division Chair, 2022-; Linde Leadership Chair, 2022-.

Peter B Dervan, Ph.D., D.Sc.h.c.

Bren Professor of Chemistry, Emeritus

B.S., Boston College, 1967; Ph.D., Yale University, 1972; D.Sc.h.c., Boston College. Assistant Professor, Caltech, 1973-79; Associate Professor, 1979-82; Professor, 1982-88; Bren Professor, 1988-2019; Bren Professor, Emeritus, 2020-; Division Chair, 1994-99; Vice President, 2011-12.

Clive Dickinson, Ph.D.

Visiting Associate in Astronomy

M.A., University of Manchester, 1999; Ph.D., 2002. Caltech, 2018-23.

Michael H Dickinson, Ph.D.

Esther M. and Abe M. Zarem

Professor of Bioengineering and Aeronautics; Executive Officer for Biology and Biological Engineering Sc.B., Brown University, 1984; Ph.D., University of Washington, 1989. Visiting Associate, Caltech, 2001-02; Professor, 2002-03; Zarem Professor, 2003-; Executive Officer, 2020-.

Paul Dimotakis, Ph.D.

John K. Northrop Professor of

Aeronautics and Professor of Applied Physics B.S., Caltech, 1968; M.S., 1969;

Ph.D., 1973. Research Fellow, 1973-74; Research Fellow and Lecturer, 1974-75; Assistant Professor, 1975-81; Associate Professor, 1981-85; Professor, 1986-95; Northrop Professor, 1995-; Jet Propulsion Laboratory Chief Technologist, 2006-11.

Stanislav G (George) Djorgovski, Ph.D.

Professor of Astronomy and Data Science

B.A., University of Belgrade, 1979; M.A., University of California, 1981; Ph.D., 1985. Assistant Professor, Caltech 1987-90; Associate Professor, 1990-97; Professor, 1997-; Director, Center for Data Driven Discovery, 2014-19; Executive Officer, 2016-19.

Joao Manuel do Carmo Fialho Mendonca, Ph.D.

Visiting Associate in Environmental Science and Engineering

Ph.D., University of Oxford, 2014. Caltech, 2021-23.

Olivier P Dore, Ph.D.

Senior Faculty Associate in Physics
Ph.D., Institute d'Astrophysique de Paris, 2001. Caltech, 2010-24.

Dennis A Dougherty, Ph.D.

George Grant Hoag Professor of Chemistry; Norman Davidson Leadership Chair, Division of Chemistry and Chemical Engineering
B.S., M.S., Bucknell University, 1974; Ph.D., Princeton University, 1978. Assistant Professor, Caltech, 1979-85; Associate Professor, 1985-89; Professor, 1989-2001; Hoag Professor, 2002-; Executive Officer, 1994-99; Director, Beckman Institute, 2018-19; Division Chair, 2019-; Davidson Leadership Chair, 2019-.

John C Doyle, Ph.D.

Jean-Lou Chameau Professor of Control and Dynamical Systems, Electrical Engineering, and Bioengineering

B.S., M.S., Massachusetts Institute of Technology, 1977; Ph.D., University of California, 1984. Visiting Assistant Professor, Caltech, 1985; Visiting Associate Professor, 1986-87; Associate Professor, 1987-91; Professor, 1991-2004; Braun Professor, 2004-08, 2009-13; Chameau Professor, 2013-.

Hannah Druckenmiller, Ph.D.

Assistant Professor of Economics; William H. Hurt Scholar

B.S., Stanford University, 2014; M.S., University of California, Berkeley,

2018; Ph.D., 2021. Visiting Associate, Caltech, 2023; Assistant Professor, 2023-; Hurt Scholar, 2023-.

William G Dunphy, Ph.D.

Grace C. Steele Professor of Biology
A.B., Harvard College, 1980; Ph.D., Stanford University, 1985. Assistant Professor, Caltech, 1989-95; Associate Professor, 1995-2001; Professor, 2001-08; Steele Professor, 2008-.

Frederick D Eberhardt, Ph.D.

Professor of Philosophy

B.S., London School of Economics, 2002; M.S., Carnegie Mellon University, 2005; Ph.D., 2007. Professor, Caltech, 2013-.

Bertrand Echenard, Ph.D.

Research Professor of High Energy Physics

Ph.D., Geneva University, 2005. Caltech, 2009-24.

Michelle Effros, Ph.D.

George Van Osdol Professor of Electrical Engineering; Vice Provost
B.S., Stanford University, 1989; M.S., 1990; Ph.D., 1994. Assistant Professor, Caltech, 1994-2000; Associate Professor, 2000-05; Professor, 2005-13; Van Osdol Professor, 2013-; Vice Provost, 2021-.

Bethany L Ehlmann, Ph.D.

Professor of Planetary Science; Allen V. C. Davis and Lenabelle Davis

Leadership Chair, Keck Institute for Space Studies; Director, W. M. Keck Institute for Space Studies

A.B., Washington University in St. Louis, 2004; M.Sc., University of Oxford, 2005; M.Sc., 2007; M.S., Brown University, 2008; Ph.D., 2010. Assistant Professor, Caltech, 2011-17; Professor, 2017-; Jet Propulsion Laboratory Research Scientist, 2011-20; Associate Director, W. M. Keck Institute for Space Studies, 2018-23; Davis Leadership Chair, 2023-; Director, W. M. Keck Institute for Space Studies, 2023-.

Joel Ehrenkrantz, M.D.

Visiting Associate in Chemistry

A. B., Amherst College, 1973; M. D., Stanford University, 1977. Caltech, 2022-24.

John M Eiler, Ph.D.

Robert P. Sharp Professor of Geology and Geochemistry

B.S., University of Iowa, 1989; M.S., University of Wisconsin, Madison, 1991; Ph.D., 1994. Research Fellow, Caltech, 1994-97; Senior Research

Fellow 1997-98; Assistant Professor, 1998-2003; Associate Professor, 2003-06; Professor, 2006-08; Sharp Professor, 2008-.

James P (Jim) Eisenstein, Ph.D.

Frank J. Roshek Professor of Physics and Applied Physics, Emeritus
A.B., Oberlin College, 1974; Ph.D., University of California, 1980.
Professor, Caltech, 1996-2004;
Roshek Professor, 2004-17; Roshek Professor, Emeritus, 2017-.

Joshua T Eisenthal, Ph.D.

Research Assistant Professor of Philosophy
B.A., Oxford University, 2008;
P.G.C.E., Canterbury Christ Church University, 2009; Ph.D., University of Pittsburgh, 2018. Caltech, 2019-.

Charles Elachi, Ph.D., D.Sc.h.c.
Professor of Electrical Engineering and Planetary Science, Emeritus

B.Sc., University of Grenoble, 1968;
Dipl. Ing., National Polytechnical Institute (Grenoble), 1968; M.S., Caltech, 1969; Ph.D., 1971; M.B.A., University of Southern California, 1978; D.Sc.h.c., Occidental College.
Research Fellow, Caltech, 1971-73;
Lecturer, 1982-2001; Professor, 2002-16; Vice President and Director, 2001-16; Professor, Emeritus, 2016-.

Kareem J El-Badry, Ph.D.

Assistant Professor of Astronomy
B.S., Yale University, 2013; Ph.D., University of California, Berkeley, 2021. Visiting Associate, Caltech, 2022-23; Assistant Professor, 2023-.

Richard S Ellis, D.Phil.

Visiting Associate in Astronomy
B.Sc., University College (London), 1971; D. Phil., University of Oxford, 1974; D.Sc.h.c., University of Durham.
Visiting Associate, Caltech, 1997-98; 2015-2016; 2017-2023. Professor, 1999-2002; Steele Professor, 2002-2015. Deputy Director, Palomar Observatory, 1999-2000; Director, 2000-02; Director, Caltech Optical Observatories, 2002-05.

Wael N El-Nachef, Ph.D.

Visiting Associate in Biology & Biological Engineering
B.A., University of California, Berkeley, 2006; M.D., Northwestern University, 2010; Ph.D., University of California, Los Angeles, 2019. Caltech, 2021-26.

Michael B Elowitz, Ph.D.

Professor of Biology and Bioengineering; Investigator, Howard Hughes Medical Institute

B.A., University of California, 1992; M.A., Ph.D., Princeton University, 1999. Assistant Professor, Caltech, 2003-09; Bren Scholar, 2003-09; Associate Professor, 2009-10; Professor, 2010-; HHMI Investigator, 2008-; Executive Officer, 2013-20.

Azita Emami, Ph.D.

Andrew and Peggy Cherng Professor of Electrical Engineering and Medical Engineering; Executive Officer for Electrical Engineering; Director, Center for Sensing to Intelligence
B.S., Sharif University of Technology, 1996; M.S., Stanford University, 1999; Ph.D., 2004. Assistant Professor, Caltech, 2007-13; Professor, 2013-17; Cherng Professor, 2017-; HMRI Investigator, 2015-21; Division Deputy Chair, 2015-18; Executive Officer, 2018-; Director, Center for Sensing to Intelligence, 2021-.

Manuel A Endres, Ph.D.

Professor of Physics
M.Sc., Johannes Gutenberg-Universität Munich, 2008; Ph.D., Ludwig-Maximilians-Universität Munich, 2013. Visiting Associate, Caltech, 2015-16; Assistant Professor, 2016-21; Professor, 2021-; Rosenberg Scholar, 2019-23.

Jean E Ensminger, Ph.D.

Edie and Lew Wasserman Professor of Social Sciences
B.A., Cornell University, 1974; M.A., Northwestern University, 1976; Ph.D., 1984. Professor, Caltech, 2000-07; Wasserman Professor, 2007-; Division Chair, 2002-06.

Paolo Ermanni, Ph.D.

Visiting Professor in Aerospace
M.S. ETH Zurich, 1984; Ph.D. 1990. Caltech, 2022.

Thomas E (Tom) Everhart, Ph.D., D.L.h.c., D.h.c.

President Emeritus; Professor of Electrical Engineering and Applied Physics, Emeritus
A.B., Harvard College, 1953; M.Sc., University of California, Los Angeles, 1955; Ph.D., University of Cambridge, 1958; D.L.h.c., Illinois Wesleyan University; Pepperdine University; D.h.c., Colorado School of Mines. Professor, Caltech, 1987-99; Professor, Emeritus, 1999-; President, 1987-97; President Emeritus, 1997-.

Pamela L Eversole-Cire, Ph.D.

Visiting Associate in Biology
B.S. (Biology), B.S. (Chemistry), University of California (Irvine), 1982;

M.S., 1985; Ph.D., University of Southern California, 1994. Research Fellow, Caltech, 1995-98; Senior Research Fellow, 1998-2001; Visiting Associate, 2008-25.

Michael J Ewens, Ph.D.
Visiting Associate in Finance and Entrepreneurship
Ph.D., University of California, San Diego, 2010. Caltech, 2022-23.

Maxellende (Max) Ezin, Ph.D.
Visiting Associate in Biology and Biological Engineering
B.S., Spelman College, 1996; Ph.D., University of Virginia, 2002. Caltech, 2009-11; 2021-24.

Katherine T Faber, Ph.D.
Simon Ramo Professor of Materials Science
B.S., Alfred University, 1975; M.S., The Pennsylvania State University, 1978; Ph.D., University of California, Berkeley, 1982. Ramo Professor, Caltech, 2014-.

Jennifer L Factor, Ph.D.
Lecturer in Poetry
A.B., Harvard-Radcliffe College, 1991; M.F.A., Bennington College, 2000; M.A., Brandeis University, 2018. Caltech, 2018-21; 2022, 2023.

Joseph L Falson, Ph.D.
Assistant Professor of Materials Science; William H. Hurt Scholar
B.S., University of New South Wales, 2009; M.S., Tohoku University, 2012; Ph.D., University of Tokyo, 2015. Visiting Associate, Caltech, 2019; Assistant Professor, 2020-; Hurt Scholar, 2021-.

Andrei Faraon, Ph.D.
William L. Valentine Professor of Applied Physics and Electrical Engineering
B.S., Caltech, 2004; M.S., Stanford University, 2009; Ph.D., 2009. Visiting Associate, Caltech, 2011-12; Assistant Professor, 2012-18; Professor, 2018-23; Valentine Professor, 2023-.

Kenneth A (Ken) Farley, Ph.D.
W.M. Keck Foundation Professor of Geochemistry
B.S., Yale University, 1986; Ph.D., University of California, San Diego, 1991. Assistant Professor, Caltech, 1993-96; Associate Professor, 1997-98; Professor, 1998-2003; Keck Foundation Professor, 2003-; Director, Tectonic Observatory, 2003-04; Division Chair, 2004-14.

Daniel R Faulkner, Ph.D.
Visiting Associate in Environmental

Science and Engineering
B.S., University of Leeds, 1992; Ph.D., University of Manchester, 1997. Caltech, 2016; 2018; 2022.

Mordechai Feingold, Ph.D.
Kate Van Nuys Page Professor of the History of Science and the Humanities
B.A., Hebrew University of Jerusalem, 1972; M.A., 1976; D.Phil., University of Oxford, 1980. Visiting Associate Professor, Caltech, 1994; Professor, 2002-19; Van Nuys Page Professor, 2019-.

Katalin (Kata) Fejes Toth, Ph.D.
Research Professor of Biology and Biological Engineering
M.D., Semmelweis University, 2001; Ph.D., University of Heidelberg, 2004. Caltech 2010-.

Yejun Feng, Ph.D.
Visiting Associate in Physics
B.S., Fudan University, 1996, M.S., City College of New York, 1999, Ph.D., University of Washington, 2003. Caltech 2015-23.

Bradley W Filippone, Ph.D.
Francis L. Moseley Professor of Physics
B.S., Pennsylvania State University, 1977; M.S., University of Chicago, 1979; Ph.D., 1982. Research Fellow, Caltech, 1983-84; Assistant Professor, 1984-90; Associate Professor, 1990-95; Professor, 1995-2016; Moseley Professor, 2016-.

Woodward Fischer, Ph.D., D.h.c.
Professor of Geobiology
B.A., Colorado College, 2000; Ph.D., Harvard University, 2007; D.h.c., Colorado College. Assistant Professor, Caltech, 2009-14; Professor, 2014-; Associate Director, Center for Autonomous Systems and Technologies, 2018-21.

Matthias Flach, Ph.D.
Professor of Mathematics
Dipl., Johann-Wolfgang von Goethe University, Frankfurt, 1986; Ph.D., St. John's College, 1991. Associate Professor, Caltech, 1995-99; Professor, 1999-; Executive Officer, 2006-09.

Richard C Flagan, Ph.D.
Irma and Ross McCollum-William H. Corcoran Professor of Chemical Engineering and Environmental Science and Engineering
B.S.E., University of Michigan, 1969; S.M., Massachusetts Institute of Technology, 1971; Ph.D., 1973. Assistant Professor, Caltech, 1975-81;

Associate Professor, 1981-85;
Professor, 1986-2000; McCollum
Professor, 2000-04;
McCollum-Corcoran Professor, 2004-;
Acting Executive Officer, 1996;
Executive Officer, 1997, 2004-13.

Kara D Fong, Ph.D.
*Visiting Associate of Chemical
Engineering*
B.S., Stanford University, 2016;
M.Phil., University of Cambridge,
2017; Ph.D., University of California,
Berkeley, 2022. Caltech, 2022-24.

Stephen J Forman, Ph.D.
*Visiting Associate in Chemical
Engineering*
B.A., St. John's College, 1970; M.D.,
University of Southern California,
1974. Staff Physician and Chairman of
the Board of Directors, City of Hope,
2001-. Caltech, 2005-26.

Alessandro Fortunelli, Ph.D.
Visiting Associate in Chemistry
M.S., University of Pisa, 1983. First
Researcher, Istituto per i Processi
Chimico-Fisici, 1984-. Caltech,
2003-04; 2012-23.

Abigail Fraeman, Ph.D.
Visiting Associate in Planetary Science
B.S., Yale University, 2009; M.A.,
Washington University in St. Louis,
2011; Ph.D., 2014. Caltech, 2016- 25.

Rupert L Frank, Ph.D.
Visiting Associate in Mathematics
Dipl., Ludwig-Maximilians-Universität
Munich, 2003; Ph.D., Royal Institute of
Technology, 2007. Caltech,
2013-2024.

Christian Frankenberg, Ph.D.
*Professor of Environmental Science
and Engineering; Jet Propulsion
Laboratory Research Scientist*
B.S., University of Bayreuth, 2002;
Ph.D., Ruprecht-Karls-Universität
Heidelberg, 2005. Associate
Professor, Caltech, 2015-18;
Professor, 2018-; Jet Propulsion
Laboratory Research Scientist, 2015-.

Steven C Frautschi, Ph.D.
*Professor of Theoretical Physics,
Emeritus*
A.B., Harvard College, 1954; Ph.D.,
Stanford University, 1958. Assistant
Professor, Caltech, 1962-64;
Associate Professor, 1964-66;
Professor, 1966- 2006; Professor,
Emeritus, 2006-; Executive Officer,
1988-97; Master, Student Houses,
1997-2002.

Cary D Frydman, Ph.D.
Visiting Associate in Economics

B.A., Northwestern University, 2006;
M.S., Caltech, 2009; Ph.D., 2012.
Caltech, 2013-15; 2023.

Gregory C Fu, Ph.D.
*Norman Chandler Professor of
Chemistry*
B.S., Massachusetts Institute of
Technology, 1985; Ph.D., Harvard
University, 1991. Moore Distinguished
Scholar, Caltech, 2011; Altair
Professor, 2012-16; Chandler
Professor, 2016-.

Xiaojing (Ruby) Fu, Ph.D.
*Assistant Professor of Mechanical and
Civil Engineering*
B.S., Clarkson University, 2011; M.S.,
Massachusetts Institute of
Technology, 2015; Ph.D., 2017.
Visiting Associate, Caltech, 2019-20;
Assistant Professor, 2021-.

Megumi Fujio, Ph.D.
Lecturer in Japanese
B.A., Yamaguchi University, 1996;
M.A., University of Colorado (Boulder),
2004; Ph.D., McGill University, 2017.
Caltech, 2017-23.

James (Jim) Fuller, Ph.D.
Professor of Theoretical Astrophysics
B.A., Whitman College, 2008; M.S.,
Cornell University, 2011; Ph.D., 2014.
Visiting Associate, Caltech 2017;
Assistant Professor, 2017-23;
Professor, 2023-.

Brent Fultz, Ph.D.
*Barbara and Stanley R. Rawn, Jr.,
Professor of Materials Science and
Applied Physics*
B.Sc., Massachusetts Institute of
Technology, 1975; M.Sc., University of
California, 1978; Ph.D., 1982.
Assistant Professor, Caltech, 1985-90;
Associate Professor, 1990-97;
Professor, 1997-2013; Rawn
Professor, 2013-.

Wei Gao, Ph.D.
*Assistant Professor of Medical
Engineering; Investigator, Heritage
Medical Research Institute; Ronald
and JoAnne Willens Scholar*
B.S., Huazhong University of Science
& Technology, 2007; M.S., Tsinghua
University, 2009; Ph.D., University of
California, San Diego, 2014. Assistant
Professor, Caltech, 2017-; HMRI
Investigator, 2021-; Willens Scholar,
2021-.

Daniel A Garcia, M.A.
Lecturer in Spanish
Lic., National University of Columbia,
1988; M.A., University of Southern

California, 1991. Caltech, 1996-.

Jorge (Jordi) Garcia-Ojalvo, Ph.D.
Visiting Associate in Biology and Biological Engineering
M.Sc., University of Barcelona, 1991; Ph.D., 1995. Associate Professor, Technical University of Catalonia, 2003-. Caltech, 2006-13; 2018-25.

Stefano Gattei, Ph.D.
Visiting Associate in History
B.A., University of Milan, 2003; M.A., 2003; Ph.D., University of Bristol, 2004. Caltech, 2016-18; 2022.

George R Gavalas, Ph.D.
Professor of Chemical Engineering, Emeritus
B.S., Technical University of Athens, 1958; M.S., University of Minnesota, 1962; Ph.D., 1964. Assistant Professor, Caltech, 1964-67; Associate Professor, 1967-75; Professor, 1975-2002; Professor, Emeritus, 2002-.

Glen A George, M.S.
Teaching Professor of Electrical Engineering
B.S. (Engineering and Applied Science), Caltech, 1981; B.S. (Electrical Engineering), 1982; M.S., University of California (Los Angeles), 1984. Lecturer in Applied Science, Caltech, 1986-1991; Lecturer in Computer Science and Electrical Engineering, 1992-2015; Lecturer in Electrical Engineering, 2015-2019; Teaching Professor of Electrical Engineering, 2020-.

Alireza Ghaffari, M.S.
Lecturer in Applied Physics and Materials Science, Lab Administrator for the Micro/Nano Center
B.S., California State University, 1986; M.S., California Institute of Technology, 2008. Lecturer, 2005-09; 2010-23.

Morteza (Mory) Gharib, Ph.D.
Hans W. Liepmann Professor of Aeronautics and Medical Engineering; Booth-Kresa Leadership Chair, Center for Autonomous Systems and Technologies; Director, Graduate Aerospace Laboratories; Director, Center for Autonomous Systems and Technologies
B.S., Teheran University, 1976; M.S., Syracuse University, 1978; Ph.D., Caltech, 1983. Professor, 1992-2002, 2006-13; Liepmann Professor, 2002-; Booth-Kresa Leadership Chair, 2018-; Director, Linde Institute, 2014-15; Vice Provost, 2010-16; Director, Graduate Aerospace Laboratories, 2015-;

Director, Center for Autonomous Systems and Technologies, 2017-.

Seyed Mohammadreza Ghodsi, Ph.D.
Lecturer in Medical Engineering
B.S., Sharif University, 2011; M.S., Illinois Institute of Technology, 2014; Ph.D., University of Illinois, 2019. Caltech, 2023.

Konstantinos P Giapis, Ph.D.
Professor of Chemical Engineering
Dipl., National Technical University of Athens, 1984; Ph.D., University of Minnesota, 1989. Lacey Instructor, Caltech, 1992-93; Assistant Professor, 1993-98; Associate Professor, 1999-2010; Professor, 2010-.

Michael B Gibilisco, Ph.D.
Assistant Professor of Political Science
B.A., Creighton University, 2010; M.A., University of Rochester, 2014; Ph.D., 2017; Assistant Professor, Caltech, 2017-.

Kevin M Gilmartin, Ph.D.
William R. Kenan, Jr., Professor of English; Allen V.C. Davis and Lenabelle Davis Leadership Chair, Student Affairs; Vice President for Student Affairs
B.A., Oberlin College, 1985; M.A., University of Chicago, 1986; Ph.D., 1991. Assistant Professor, Caltech, 1991-97; Associate Professor, 1997-07; Professor, 2007-18; Kenan Professor, 2018-; Dean, Undergraduate Students, 2016-20; Davis Leadership Chair, 2020-; Vice President, Student Affairs, 2020-.

Dehn Gilmore, Ph.D.
Professor of English; Executive Officer for the Humanities
B.A., Harvard University, 2002; M.Phil., University of Cambridge, Trinity College, 2003; M.Phil., Columbia University, 2005; Ph.D., 2009. Assistant Professor, Caltech, 2009-15; Professor, 2015-; Executive Officer, 2022-.

Georgia Gkioxari, Ph.D.
Assistant Professor of Computing and Mathematical Sciences and Electrical Engineering; William H. Hurt Scholar
Diplom, National Technical University of Athens, 2010; Ph.D., University of California, Berkeley, 2016. Visiting Associate, Caltech, 2022; Assistant Professor, 2023-; Hurt Scholar, 2023-.

David M Glover, Ph.D.
Research Professor of Biology and Biological Engineering
B.A., University of Cambridge, 1969; Ph.D., University College (London),

1972. Caltech, 2019-.

Vera Gluscevic, Ph.D.

Visiting Associate in Theoretical Astrophysics
M.S., University of Belgrade, 2007;
Ph.D., California Institute of
Technology, 2013. Caltech 2023.

William A (Bill) Goddard, Ph.D.

Charles and Mary Ferkel Professor of Chemistry, Materials Science, and Applied Physics
B.S., University of California, Los Angeles, 1960; Ph.D., Caltech, 1965. Noyes Research Fellow, 1964-66; Noyes Research Instructor, 1966-67; Assistant Professor, 1967-71; Associate Professor, 1971-74; Professor, 1974-84; Ferkel Professor, 1984-.

Lea A Goentoro, Ph.D.

Professor of Biology
B.S., University of Wisconsin-Madison, 2001; Ph.D., Princeton University, 2006. Assistant Professor, Caltech, 2011-18; Professor, 2018-.

Peter Goldreich, Ph.D.

Lee A. DuBridge Professor of Astrophysics and Planetary Physics, Emeritus
B.S., Cornell University, 1960; Ph.D., 1963. Associate Professor, Caltech, 1966-69; Professor, 1969-81; DuBridge Professor, 1981-2002; DuBridge Professor, Emeritus, 2002-; Acting Division Chair, 1989.

Sunil Golwala, Ph.D.

Professor of Physics; Director, Caltech Submillimeter Observatory; Deputy Executive Officer for Astrophysics
B.A., University of Chicago, 1993; M.A., University of California, Berkeley, 1995; Ph.D., 2000. Assistant Professor, Caltech, 2003-10; Associate Professor, 2010; Professor, 2010-; Director, Caltech Submillimeter Observatory, 2013-; Deputy Executive Officer, 2019-.

David L Goodstein, Ph.D.

Frank J. Gilloon Distinguished Teaching and Service Professor, Emeritus; Professor of Physics and Applied Physics, Emeritus
B.S., Brooklyn College, 1960; Ph.D., University of Washington, 1965. Research Fellow, Caltech, 1966-67; Assistant Professor, 1967-71; Associate Professor, 1971-76; Professor, 1976-2009; Gilloon Professor, 1995-2009; Gilloon Professor, Emeritus, 2009-; Vice Provost, 1987-2007.

Judith R Goodstein, Ph.D.

University Archivist, Emeritus
B.A., Brooklyn College, 1960; Ph.D., University of Washington, 1969. Faculty Associate, Caltech, 1982-2009; Lecturer, 1989; 2001; 2002; 2007. Registrar, 1989-2003; Institute Archivist, 1968-95; University Archivist, 1995-2009; University Archivist, Emeritus, 2009-.

Frederic Gosselin, Ph.D.

Visiting Associate in Psychology
B.A., University of Ottawa, 1993; M.Sc., University of Montreal, 1996; Ph.D., University of Glasgow, 2000. Associate Professor, University of Montreal, 2002-. Caltech, 2007-08; 2010; 2012; 2023.

Thomas B Graber, Ph.D.

Professor of Mathematics; Executive Officer for Mathematics
A.B., Harvard, 1994; M.A. University of California, Los Angeles, 1995; Ph.D., 1998. Associate Professor, Caltech, 2005-08; Professor, 2008-; Executive Officer, 2022-.

Viviana Gradinaru, Ph.D.

Lois and Victor Troendle Professor of Neuroscience and Biological Engineering; Director, Center for Molecular and Cellular Neuroscience
B.S., Caltech, 2005; Ph.D., Stanford University, 2010. Visiting Associate, Caltech, 2012; Assistant Professor, 2012-18; Professor, 2018-23; Troendle Professor, 2023-; HMRI Investigator, 2015-21; Director, Center for Molecular and Cellular Neuroscience, 2017-.

Matthew J Graham, Ph.D.

Research Professor of Astronomy
B.A., University of Oxford (Trinity College), 1993; Ph.D., University of Central Lancashire, 1996. Lecturer, 2017; Research Professor, 2017-.

Harry B Gray, Ph.D., D.Sc.h.c.,

D.L.h.c., Fil.dr.h.c., Laurea.h.c., Ph.D.h.c., D.h.c.
Arnold O. Beckman Professor of Chemistry; Founding Director, Beckman Institute
B.S., Western Kentucky College, 1957; Ph.D., Northwestern University, 1960; D.Sc.h.c., Northwestern University; University of Rochester; University of Chicago; University Paul Sabatier (France); Göteborg University; University of Pennsylvania; Bowling Green State University; University of Arizona; Colombia University; Oberlin College; Carleton University (Canada); University of South Carolina;

University of Copenhagen; University of Edinburgh; Occidental College; Simon Fraser University; Carleton College; Fil.dr.h.c., Gothenburg University; Bowling Green State University; Laurea h.c., University of Florence; D.L.h.c., Illinois Wesleyan University; Ph.D.h.c., Weizmann Institute of Science (Israel). Visiting Professor, Caltech, 1965; Professor, 1966-81; Kenan Professor, 1976-81; Beckman Professor, 1981-; Division Chair, 1978-84; Director, Beckman Institute, 1986-2001; Founding Director, Beckman Institute, 2001-.

Sheldon Green, Ph.D.

Visiting Associate in Mechanical and Civil Engineering
B.S., University of Toronto, 1984; M.S., California Institute of Technology, 1985; Ph.D., 1988. Caltech, 2022.

Julia R Greer, Ph.D.

Ruben F. and Donna Mettler Professor of Materials Science, Mechanics and Medical Engineering; Fletcher Jones Foundation Director of the Kavli Nanoscience Institute
B.S., Massachusetts Institute of Technology, 1997; M.S., Stanford University, 2000; Ph.D., 2005. Assistant Professor, Caltech, 2007-13; Professor, 2013-19; Mettler Professor, 2019-; Fletcher Jones Foundation Director, Kavli Nanoscience Institute, 2019-.

John M Gregoire, Ph.D.

Research Professor of Applied Physics and Materials Science
B.S., Concordia College (Moorhead), 2004; M.S., Cornell University, 2006; Ph.D., 2009. Caltech, 2021-.

Zeev Gross, Ph.D.

Visiting Associate in Chemistry
B.S., Bar-Ilan University (Israel), 1979; M.S., 1982; Ph.D., 1987. Visitor, Caltech, 1999, 2009; Moore Distinguished Scholar, 2013-14; Visiting Associate, 2011, 2017-26.

John P Grotzinger, Ph.D.

Harold Brown Professor of Geology; Ted and Ginger Jenkins Leadership Chair, Division of Geological and Planetary Sciences
B.S., Hobart College, 1979; M.S., University of Montana, 1981; Ph.D., Virginia Polytechnic Institute and State University, 1985. Visiting Associate Professor, Caltech, 1996; Moore Distinguished Scholar, 2004; Fletcher Jones Professor, 2005-21; Brown Professor, 2021-; Division Chair,

2014-; Jenkins Leadership Chair, 2016-.

Fernando Brandao, Ph.D.

Bren Professor of Theoretical Physics
B.Sc., Universidade Federal de Minas Gerais, 2004; M.Sc., 2005; Ph.D. Imperial College London, 2008. Bren Professor, Caltech, 2016-.

Sergei G Gukov, Ph.D.

John D. MacArthur Professor of Theoretical Physics and Mathematics
B.S., Moscow Institute of Physics and Technology, 1997; M.S., Princeton University 2001; Ph.D., 2001. Associate Professor, Caltech, 2005-07; Professor, 2007-21; MacArthur Professor, 2021-.

Michael C Gurnis, Ph.D.

John E. and Hazel S. Smits Professor of Geophysics; Clarence R. Allen Leadership Chair, Seismological Laboratory; Director, Seismological Laboratory; Director, Schmidt Academy for Software Engineering
B.S., University of Arizona, 1982; Ph.D., Australian National University, 1987. Associate Professor, Caltech, 1994-96; Professor, 1996-2005; Smits Professor, 2005-; Associate Director, Seismological Laboratory, 1995-2003; Director, Seismological Laboratory, 2009-; Director, Schmidt Academy for Software Engineering, 2019-; Allen Leadership Chair, 2023-.

Mitchell Guttman, Ph.D.

Professor of Biology
B.S., University of Pennsylvania, 2006; M.S., 2006; Ph.D., Massachusetts Institute of Technology, 2012. Visiting Associate, Caltech, 2012-13; Assistant Professor, 2013-19; Professor, 2019-; HMRI Investigator, 2015-21.

Ryan G Hadt, Ph.D.

Assistant Professor of Chemistry
B.S., University of Minnesota, Duluth, 2007; M.S., 2008; Ph.D., Stanford University, 2014; Visiting Associate, Caltech, 2018; Assistant Professor, 2018-.

S A (Ali) Hajimiri, Ph.D.

Bren Professor of Electrical Engineering and Medical Engineering; Co-Director, Space-Based Solar Power Project
B.S., Sharif University of Technology, 1994; M.S., Stanford University, 1996; Ph.D., 1998. Assistant Professor, Caltech, 1998-2003; Associate Professor, 2003-06; Professor, 2006-10; Myers Professor, 2010-16; Bren Professor, 2016-; Executive Officer, 2015-18; Director, Information

Science and Technology, 2015-16;
Co-Director, Space-Based Solar
Power Project, 2016-.

John F Hall, Ph.D.

*Professor of Civil Engineering,
Emeritus*

B.S., West Virginia University, 1972;
M.S., University of Illinois, 1973; Ph.D.,
University of California, 1980.
Research Fellow, Caltech, 1980-83;
Lecturer, 1981-83; Assistant
Professor, 1983-89; Associate
Professor, 1989-97; Professor,
1997-19; Professor, Emeritus, 2019-;
Executive Officer, 1998-2005; Dean,
2005-10; Acting Vice President,
2006-07.

Susanne E Hall, Ph.D.

*Teaching Professor of Writing and
Director of the Hixon Writing Center*
B.A., Wake Forest University, 2001;
M.A., University of California (Irvine),
2003; Ph.D., 2008. Caltech, 2012-.

Gregg W Hallinan, Ph.D.

*Professor of Astronomy; Director,
Owens Valley Radio Observatory*
B.Sc., National University of Ireland,
2002; Ph.D., 2008. Assistant
Professor, Caltech, 2012-18;
Professor, 2018-; Director, 2019-.

Stephanie E Hampton, Ph.D.

*Visiting Associate in Biology and
Biological Engineering*
B.A., University of Kansas, 1996; M.S.,
University of Nevada, 1996; Ph.D.,
Dartmouth College, 2001. Caltech,
2023-26.

Mehmet S (Selim) Hanay, Ph.D.

Visiting Associate in Physics
B.S., Sabanci University, 2003; Ph.D.,
California Institute of Technology,
2011. Caltech, 2014; 2015-17,
2022-23.

Fiona A Harrison, Ph.D., D.techn.h.c.

*Harold A. Rosen Professor of Physics;
Kent and Joyce Kresa Leadership
Chair, Division of Physics,
Mathematics and Astronomy*
A.B., Dartmouth College, 1985; Ph.D.,
University of California, 1993;
D.techn.h.c., Danish Technical
University. Millikan Research Fellow,
Caltech, 1993-95; Assistant Professor,
1995-2001; Associate Professor
2001-2005; Professor, 2005-13;
Rosen Professor, 2013-; Division
Chair, 2015-; Kresa Leadership Chair,
2015-.

Babak Hassibi, Ph.D.

*Mose and Lillian S. Bohn Professor of
Electrical Engineering and Computing*

and Mathematical Sciences

B.S., University of Tehran, 1989; M.S.,
Stanford University, 1993; Ph.D.,
1996. Assistant Professor, Caltech,
2001-03; Associate Professor,
2003-08; Professor, 2008-13;
Binder/Amgen Professor, 2013-16;
Bohn Professor, 2016-; Executive
Officer, 2008-15; Associate Director,
Information Science and Technology,
2010-12.

Kristine L Haugen, Ph.D.

Professor of English
B.A., University of Chicago, 1996;
M.A., Princeton University, 1998;
Ph.D., 2001. Assistant Professor,
Caltech, 2005-11; Professor, 2011-.

Egill Hauksson, Ph.D.

*Research Professor of Geophysics,
Emeritus*
M.S., University of Trondheim
(Norway), 1974; M.A., Columbia
University, 1978; M. Phil., 1980; Ph.D.,
1981. Research Fellow, 1989-92;
Senior Research Associate,
1992-2014, Research Professor,
2014-23; Research Professor
Emeritus, 2023-.

Bruce A Hay, Ph.D.

Professor of Biology
B.A., Claremont McKenna College,
1982; Ph.D., University of California,
San Francisco, 1989. Assistant
Professor, Caltech, 1996-2002;
Associate Professor, 2002-08;
Professor, 2008-.

Chuan He, Ph.D.

Moore Distinguished Scholar
B.A., University of Science and
Technology of China, 1994; Ph.D.,
Massachusetts Institute of
Technology, 2000. Caltech, 2022.

Thomas H Heaton, Ph.D.

*Professor of Engineering Seismology,
Emeritus*
B.S., Indiana University, 1972; Ph.D.,
Caltech, 1978. Visiting Associate,
Caltech, 1980-91; Faculty Associate,
1991-95; Lecturer, 1993-95;
Professor, 1995-2020; Professor,
Emeritus, 2020-.

John L Heilbron, Ph.D.

Visiting Associate in History
A.B., University of California, 1955;
M.A., 1958; Ph.D., 1964. Professor,
1994-. Sherman Fairchild
Distinguished Scholar, Caltech, 1995;
Mellon Visiting Professor, 1997;
Eleanor Searle Visiting Professor,
2011; Visiting Associate, 2011-24.

George Helou, Ph.D.

Research Professor of Physics; Executive Director of the Infrared Processing and Analysis Center
B.S., American University of Beirut, 1975; Ph.D., Cornell University, 1980. Senior Research Associate, Caltech, 1998-. Executive Director, 1999-.

Sergi R Hildebrandt, Ph.D.

Visiting Associate in Physics, Lecturer in Physics

Ph.D., University of Barcelona, 2011. Caltech, 2014-24.

Andrew Hill, Ph.D.

Howard E. and Susanne C. Jessen Postdoctoral Instructor in English
B.A., Reed College, 2010; M.A., University of Chicago, 2012; M.A., University of California (Irvine), 2015; Ph.D., 2021. Caltech, 2021-24.

Michael G Hill, Ph.D.

Visiting Associate in Chemistry
B.A., Macalester College, 1987; Ph.D., University of Minnesota, 1992. Assistant Professor, Occidental College, 1994-. Research Fellow, Caltech, 1992-94; Visiting Associate, 1995-2010; 2014-24; Lecturer, 2008.

Lynne Hillenbrand, Ph.D.

Professor of Astronomy
A.B., Princeton University, 1989; M.S., 1989; Ph.D., University of Massachusetts, 1995. Assistant Professor, Caltech, 2000-06; Associate Professor, 2006-10; Professor, 2010-; Executive Officer, 2007-12.

Alexander V (Alex) Hirsch, Ph.D.

Professor of Political Science
B.A., Yale University, 2003; Ph.D., Stanford University, 2010. Associate Professor, Caltech, 2014-16; Professor, 2016-.

Christopher R Hitchcock, Ph.D.

J. O. and Juliette Koepfli Professor of Philosophy
A.B., Princeton University, 1986; M.A., University of Pittsburgh, 1990; Ph.D., 1993. Associate Professor, Caltech, 1998-2002; Professor, 2002-14; Koepfli Professor, 2014-; Executive Officer, 2018-22.

David G Hitlin, Ph.D.

Professor of Physics
B.A., Columbia University, 1963; M.A., 1965; Ph.D., 1968. Associate Professor, Caltech, 1979-85; Professor, 1986-.

Andre Hoelz, Ph.D.

Mary and Charles Ferkel Professor of Chemistry and Biochemistry

B.Sc., Albert-Ludwigs University of Freiburg, 1993; M.Sc., 1997; Ph.D., Rockefeller University, 2004. Assistant Professor, Caltech, 2010-16; Professor 2016-23; Ferkel Professor, 2023-; HMRI Investigator, 2015-21.

Philip T Hoffman, Ph.D.

Rea A. and Lela G. Axline Professor of Business Economics and History, Emeritus

A.B., Harvard College, 1969; M.A., University of California, 1971; Ph.D., Yale University, 1979. Lecturer, Caltech, 1980-81; Instructor, 1981-82; Assistant Professor, 1982-84; Associate Professor, 1984-95; Professor, 1995-2003; Rosenberg Professor, 2003-08; Axline Professor, 2008-22; Axline Professor, Emeritus, 2023-; Executive Officer, 1995-2000.

Franca Karoline Olga (Franca)**Hoffmann, Ph.D.**

Assistant Professor of Computing and Mathematical Sciences
B.S., Imperial College London, 2010; M.S., 2013; Ph.D., University of Cambridge, 2017. Instructor, Caltech, 2017-20; Visiting Associate, 2020-22; Assistant Professor, 2022-.

Michael R Hoffmann, Ph.D.

John S. and Sherry Chen Professor of Environmental Science
B.A., Northwestern University, 1968; Ph.D., Brown University, 1974. Research Fellow, Caltech, 1973-76; Associate Professor, 1980-85; Professor, 1986-96; Irvine Professor, 1996-16; Wu Professor, 2016-18; Chen Professor, 2018-; Executive Officer, 1996-2002; Dean, Graduate Studies, 2002-09.

Amy E Hofmann, Ph.D.

Visiting Associate in Geochemistry
B.A., Franklin and Marshall College; M.S., California Institute of Technology, 2008, Ph.D., 2010. Caltech, 2022-24.

Douglas C Hofmann, Ph.D.

Lecturer in Applied Physics and Materials Science; Visiting Associate in Applied Physics and Materials Science
B.S., University of California (San Diego), 2003; M.S., 2004; M.S., California Institute of Technology, 2006; Ph.D., 2008. Visiting Associate, 2011-24. Lecturer, 2011-23.

Jocelyn Holland, Ph.D.

Professor of Comparative Literature
B.A., Harvard-Radcliffe College, 1995; M.A., Johns Hopkins University, 1998; Ph.D., 2003. Visiting Associate,

Caltech, 2016-17; Professor, 2017-.

Elizabeth J (Betty) Hong, Ph.D.
Professor of Neuroscience; Chen Scholar

B.S., Caltech, 2002; Ph.D., Harvard University, 2009. Visiting Associate, Caltech, 2014-15; Assistant Professor, 2015-23; Boothe Luce Assistant Professor, 2015-21; Professor, 2023-; Chen Scholar, 2021-.

John J Hopfield, Ph.D.

Roscoe G. Dickinson Professor of Chemistry and Biology, Emeritus
A.B., Swarthmore College, 1954; Ph.D., Cornell University, 1958. Dickinson Professor, Caltech, 1980-97; Dickinson Professor, Emeritus, 1997-.

Philip F (Phil) Hopkins, Ph.D.

Ira S. Bowen Professor of Theoretical Astrophysics
B.A., Princeton University, 2004; M.A., Harvard University, 2005; Ph.D., 2008. Assistant Professor Caltech, 2013-16; Associate Professor, 2016-17; Professor, 2017-22; Bowen Professor, 2022-; Executive Officer, 2019-22.

Hans G Hornung, Ph.D., D.h.c.

C. L. "Kelly" Johnson Professor of Aeronautics, Emeritus
B.S., University of Melbourne, 1960; M.S., 1962; Ph.D., University of London (Imperial College), 1965; D.h.c., Swiss Federal Institute of Technology. Johnson Professor, Caltech, 1987-2005; Johnson Professor, Emeritus, 2005-; Director, Graduate Aeronautical Laboratories, 1987-2004.

Yizhao T (Thomas) Hou, Ph.D.

Charles Lee Powell Professor of Applied and Computational Mathematics
B.S., South China University of Technology, 1982; M.S., University of California, Los Angeles, 1985; Ph.D., 1987. Associate Professor, Caltech, 1993-98; Professor, 1998-2000, 04-; Powell Professor, 2004-; Executive Officer, 2000-06.

Melissa (El) Hovik, M.S.

Teaching Assistant Professor of Computing and Mathematical Sciences
B.S., University of Washington, 2018; M.S., 2020. Caltech, 2020-23.

Andrew W Howard, Ph.D.

Professor of Astronomy; Executive Officer for Astronomy
B.S., Massachusetts Institute of Technology, 1998; M.A., Harvard

University, 2001; Ph.D., 2006. Professor, Caltech, 2016-; Executive Officer, 2023-.

Julie A Hoy, Ph.D.

Lecturer in Biology and Biological Engineering
B.S., Wartburg College, 1996; M.S., Iowa State University, 1999; Ph.D., 2006. Caltech 2015-18; 2019; 2020; 2021; 2022; 2023.

David Hsieh, Ph.D.

Donald A. Glaser Professor of Physics; Executive Officer for Physics
B.S., Stanford University, 2003; Ph.D., Princeton University, 2009. Assistant Professor, Caltech, 2012-18; Professor, 2018-22; Glaser Professor, 2022-; Executive Officer, 2023-.

Linda C Hsieh-Wilson, Ph.D.

Milton and Rosalind Chang Professor of Chemistry
B.S., Yale University, 1990; Ph.D., University of California, 1996. Assistant Professor, Caltech, 2000-06; Associate Professor, 2006-10; Professor, 2010-2-17; Hanisch Professor, 2017-20; Chang Professor, 2021-; HHMI Investigator, 2005-14.

Renyu Hu, Ph.D.

Visiting Associate in Planetary Science
B.S., Tsinghua University, 2007; Dip. Eng., Ecole Centrale Paris, 2009; M.S., Tsinghua University, 2009; Ph.D., Massachusetts Institute of Technology, 2013. Caltech, 2015-23.

Yongxi (Chelsea) Hu, Ph.D.

Visiting Associate in Electrical Engineering
B.S., University of California (Los Angeles), 2013; M.S., Cornell University, 2015; Ph.D., 2018. Caltech, 2023.

Alice S Huang, Ph.D.

Senior Faculty Associate in Biology and Biological Engineering
B.A., Johns Hopkins University, 1961; M.S., 1963; Ph.D., 1966. M.A. h.c., Harvard University; D.Sci.h.c., Wheaton College; Mt. Holyoke College; Medical College of Pennsylvania. Faculty Associate, Caltech, 1997-2007; Senior Faculty Associate, 2007-25.

Melany L Hunt, Ph.D.

Dotty and Dick Hayman Professor of Mechanical Engineering
B.S., University of Minnesota, 1983; M.S., University of California, 1985; Ph.D., 1987. Assistant Professor, Caltech, 1988-95; Associate Professor, 1995-2001; Professor,

2001-11; Kenan Professor, 2012-13; Hayman Professor, 2013-; Executive Officer, 2002-07; Vice Provost, 2007-14.

Allen L Husker, Ph.D.

Research Professor of Geophysics
B.S., University of Washington, 1998; M.S., University of California (Los Angeles), 2003; Ph.D., 2008. Visiting Associate, 2020. Caltech, 2021-.

Thomas M Hutchcroft, Ph.D.

Professor of Mathematics
B.A. and MMath, University of Cambridge, 2013; Ph.D., University of British Columbia, 2017. Professor, Caltech, 2021-.

Nicholas R (Nick) Hutzler, Ph.D.

Assistant Professor of Physics
B.S., California Institute of Technology, 2007; A.M., Harvard University, 2009; Ph.D., 2014. Visiting Associate, Caltech, 2017; Assistant Professor, 2017-.

Jozsef Ily, Ph.D.

Visiting Associate in History
Ph.D., Szeged University and Hungarian Academy of Sciences, 1982. Contributing Editor of *Collected Papers of Albert Einstein*, Princeton University Press, 1991-; Senior Research Associate, Retired, Hungarian Academy of Science (Institute of Isotopes) 1993-. Caltech, 2000-14; 2018-20, 2023-25.

Andrew P Ingersoll, Ph.D.

Professor of Planetary Science, Emeritus
B.A., Amherst College, 1960; A.M., Harvard University, 1961; Ph.D., 1966. Assistant Professor, Caltech, 1966-71; Associate Professor, 1971-76; Professor, 1976-2003; 2011-22; Anthony Professor, 2003-11; Professor, Emeritus, 2022-; Executive Officer, 1987-94.

Philip (Phil) Isett, Ph.D.

Professor of Mathematics
B.S., University of Maryland, 2008; Ph.D., Princeton University, 2013. Assistant Professor, Caltech, 2018-19; Professor, 2019-.

Rustem F Ismagilov, Ph.D.

Ethel Wilson Bowles and Robert Bowles Professor of Chemistry and Chemical Engineering; Merkin Institute Professor; Director of the Jacobs Institute for Molecular Engineering for Medicine
B.S., Higher Chemical College of the Russian Academy of Sciences, 1994; Ph.D., University of Wisconsin,

Madison, 1998. Miles Professor, Caltech, 2011-13; Bowles Professor, 2013-; Merkin Institute Professor, 2021-; Director, Jacobs Institute for Molecular Engineering, 2013-.

Jennifer M Jackson, Ph.D.

William E. Leonhard Professor of Mineral Physics
B.S., University of Illinois (Urbana-Champaign), 1999; M.S., University of Notre Dame, 2000; Ph.D., University of Illinois, 2005. Assistant Professor, Caltech, 2007-09; Assistant Professor, 2009-12; Professor, 2012-20; Leonhard Professor, 2020-.

Brian R Jacobson, Ph.D.

Professor of Visual Culture
B.S., Appalachian State University, 2002; M.S., Massachusetts Institute of Technology, 2005; Ph.D., University of Southern California, 2011. Professor, Caltech, 2020-.

Jennifer A Jahner, Ph.D.

Professor of English; Dean of Undergraduate Students
B.A., Western Washington University, 1998; M.A., University of Colorado at Boulder, 2005, Ph.D., University of Pennsylvania, 2012. Assistant Professor, Caltech, 2012-19; Professor, 2019-; Dean, Undergraduate Students, 2023-.

Pawel W Janas, Ph.D.

Assistant Professor of Economics
B.A, B.S., University of Colorado, Boulder, 2016; M.S., 2016; Ph.D., Northwestern University, 2022. Assistant Professor, Caltech, 2022-.

Paul C Jennings, Ph.D.

Professor of Civil Engineering and Applied Mechanics, Emeritus
B.S., Colorado State University, 1958; M.S., Caltech, 1960; Ph.D., 1963. Research Fellow, 1965; Assistant Professor, 1966-68; Associate Professor, 1968-72; Professor, 1972-2002; 2004-07; Professor, Emeritus, 2002-04; 2007-; Executive Officer, 1975-80; Division Chair, 1985-89; Vice President and Provost, 1989-95; Acting Vice President, 1995; 1998-99; Provost, 2004-07.

William L Johnson, Ph.D.

Ruben F. and Donna Mettler Professor of Engineering and Applied Science, Emeritus
B.A., Hamilton College, 1970; Ph.D., Caltech, 1975. Assistant Professor, 1977-80; Associate Professor, 1980-84; Professor, 1984-89; Mettler Professor, 1989-2019; Mettler Professor, Emeritus, 2019-.

Emma B (Bennett) Jones, Ph.D.
Postdoctoral Instructor in American History

B.F.A., School of the Art Institute of Chicago, 2012; M.A., University of Florida, 2014; Ph.D., Northwestern University, 2021. Caltech, 2023-25.

Lucile M (Lucy) Jones, Ph.D.

Visiting Associate in Geophysics
A.B., Brown University, 1976; Ph.D., Massachusetts Institute of Technology, 1981. Research Associate, U.S. Geological Survey, 1984-. Caltech, 1984-2023.

Catherine Jurca, Ph.D.

Professor of English and Visual Culture
B.A., University of California, 1987; M.A., Johns Hopkins University, 1992; Ph.D., 1995. Instructor, Caltech, 1995; Assistant Professor, 1995-2001; Associate Professor, 2001-10; Professor, 2010-21; Professor, 2021-; Master, Student Houses, 2002-09; Executive Officer, 2014-18.

Susan Juster, Ph.D.

Visiting Associate in History
B.A., Brown University, 1983; Ph.D., University of Michigan, 1990. Caltech, 2023-24.

Richard Kalantar Ohanian, M.S.

Lecturer in Electrical Engineering
B.S., California Institute of Technology, 2005; M.S., 2007. Caltech, 2019-23.

Hiroo Kanamori, Ph.D.

John E. and Hazel S. Smits Professor of Geophysics, Emeritus
B.S., University of Tokyo, 1959; M.S., 1961; Ph.D., 1964. Research Fellow, Caltech, 1965-66; Professor, 1972-89; Smits Professor, 1989-2005; Smits Professor, Emeritus, 2005-; Director, Seismological Laboratory, 1990-98.

Anton N Kapustin, Ph.D.

Earle C. Anthony Professor of Theoretical Physics and Mathematics
M.S., Moscow State University, 1993; Ph.D., Caltech, 1997. Assistant Professor, 2001-04; Associate Professor, 2004-10; Professor, 2010-12; Anthony Professor, 2012-.

Smruthi Karthikeyan, Ph.D.

Gordon and Carol Treweek Assistant Professor of Environmental Science and Engineering; William H. Hurt Scholar
Btech, Anna University (Chennai), 2012; M.S., Columbia University, 2014; Ph.D., Georgia Institute of Technology, 2020. Visiting Associate, Caltech, 2022; Treweek Assistant

Professor, 2023-; Hurt Scholar, 2023-.

Mansi M Kasliwal, Ph.D.

Professor of Astronomy
B.S., Cornell University, 2005; M.S., Caltech, 2007; Ph.D., 2011. Visiting Associate, Caltech, 2014-15; Assistant Professor, 2015-21; Professor, 2021-.

Jonathan N Katz, Ph.D.

Kay Sugahara Professor of Social Sciences and Statistics
S.B., Massachusetts Institute of Technology, 1990; M.A., University of California, San Diego, 1992; Ph.D., 1995. Assistant Professor, Caltech, 1995-98; Associate Professor, 1998; 1999-2003; Professor, 2003-11; Sugahara Professor, 2012-; Executive Officer, 2007; Director, Linde Institute, 2013-14; Division Chair, 2007-14.

Nets H Katz, Ph.D.

International Business Machines Professor of Mathematics
B.A., Rice University, 1990; Ph.D., University of Pennsylvania, 1993. Professor, Caltech, 2013-16; International Business Machines, Professor, 2016-.

Alexander Kechris, Ph.D., D.h.c.

Professor of Mathematics
M.S., National Technical University, Athens, 1969; Ph.D., University of California, Los Angeles, 1972; D.h.c., University of Athens. Assistant Professor, Caltech, 1974-76; Associate Professor, 1976-81; Professor, 1981-; Executive Officer, 1994-97.

Benjamin Kellenberger, Ph.D.

Lecturer in Electrical Engineering
B.S., University of Zurich, 2014; M.S., 2014; Ph.D., Wageningen University, 2020. Caltech, 2022.

Mary B Kennedy, Ph.D.

The Allen and Lenabelle Davis Professor of Biology
B.S., St. Mary's College, 1969; Ph.D., Johns Hopkins University, 1975. Assistant Professor, Caltech, 1981-84; Associate Professor, 1984-92; Professor, 1992-2002; Davis Professor, 2002-.

Daniel J Kevles, Ph.D.

J. O. and Juliette Koepfli Professor of the Humanities, Emeritus
A.B., Princeton University, 1960; Ph.D., 1964. Assistant Professor of History, Caltech, 1964-68; Associate Professor, 1968-78; Professor, 1978-86; Koepfli Professor, 1986-2001; Koepfli Professor, Emeritus, 2001-; Executive Officer,

1978-81.

Arash Kheradvar, Ph.D.

Visiting Associate in Aerospace
M.D., Tehran University of Medical
Sciences, 2000; Ph.D., California
Institute of Technology, 2006. Caltech,
2023-24.

Ali Khoshnan, Ph.D.

*Visiting Associate in Biology and
Biological Engineering*
B.A., California State University, Los
Angeles, 1984; M.S., 1988; Ph.D.,
University of Texas Health Sciences
Center, San Antonio, 1995. Caltech,
2002-09; 2022-24.

Farbod Khoshnoud, Ph.D.

Visiting Associate in Aerospace
B.S., Azad University, 1998; M.S.,
2001; Ph.D., Brunel University London,
2005. Caltech, 2020-24.

D R (Rod) Kiewiet, Ph.D.

Professor of Political Science
B.A., University of Iowa, 1974; Ph.D.,
Yale University, 1980. Assistant
Professor, Caltech, 1979-82;
Associate Professor, 1982-89;
Professor, 1989-; Dean, Students,
1992-96; Dean, Graduate Studies,
2000-02; Dean, Undergraduate
Students, 2011-14.

Hugh I Kim, Ph.D.

Visiting Associate in Chemistry
B.S., University of California, Berkeley,
2003. Ph.D., California Institute of
Technology, 2008. Caltech 2003-28.

Hyungjun Kim, Ph.D.

Visiting Associate in Chemistry
B.S., Korea Advanced Institute of
Science and Technology, 2004; Ph.D.,
California Institute of Technology,
2009. Caltech, 2022-27.

H J Kimble, Ph.D., D.Sc.h.c.

*William L. Valentine Professor of
Physics, Emeritus*
B.S., Abilene Christian University,
1971; M.S., University of Rochester,
1973; Ph.D., 1978; D.Sc.h.c., Niels
Bohr Institute, University of
Copenhagen. Professor, Caltech,
1989-97; Valentine Professor,
1997-21; Valentine Professor,
Emeritus, 2021-.

Richard R King, Ph.D.

Visiting Associate in Applied Physics
B.S., Stanford University, 1985; M.S.,
1987; Ph.D., 1990. Caltech, 2008-10,
2023.

Richard E Kipling, M.A.

Lecturer in Journalism
B.A., University of California (Santa

Barbara), 1966; M.A., 1968. Caltech,
2008; 2009; 2011; 2012; 2013-14;
2016-20; 2022-23.

Joseph (Joe) Kirschvink, Ph.D.

*Nico and Marilyn Van Wingen
Professor of Geobiology*
B.S., M.S., Caltech, 1975; M.A.,
Princeton University, 1978; Ph.D.,
1979. Assistant Professor, Caltech,
1981-87; Associate Professor,
1987-92; Professor, 1992-2004; Van
Wingen Professor, 2004-.

Robert P Kirshner, Ph.D.

Research Professor of Astronomy
A.B., Harvard University, 1970; Ph.D.,
California Institute of Technology,
1975. Caltech 2022-25.

Alexei Kitaev, Ph.D.

*Ronald and Maxine Linde Professor of
Theoretical Physics and Mathematics*
Dipl., Moscow Institute of Physics and
Technology, 1986; Ph.D., Landau
Institute for Theoretical Physics, 1989.
Visiting Associate, Caltech, 1998-99;
Lecturer, 1998-99; Senior Research
Associate, 2001-02; Professor,
2002-13; Linde Professor, 2013-.

Jean Patrice M (Patrice) Klein, Ph.D.

*Visiting Associate in Environmental
Science and Engineering*
M.S., Ecole Supérieure des Mines,
1971; Ph.D., Paris University, 1973;
Ph.D., Marseille University, 1980.
Lecturer, 2016. Caltech, 2016-25.

Andrew T Klesh, Ph.D.

*Lecturer in Electrical Engineering;
Visiting Associate in Planetary Science*
B.S., University Michigan, 2005; M.S.,
2006; Ph.D., 2009. Caltech, 2017-19;
2022.; Visiting Associate, 2022-2024.

Dorit Kliemann, Ph.D.

*Visiting Associate in Cognitive
Neuroscience*
M.S., Freie Universität Berlin, 2008;
Ph.D., 2013. Caltech, 2020-21;
2022-26.

Wolfgang G Knauss, Ph.D.

*Theodore von Karman Professor of
Aeronautics and Applied Mechanics,
Emeritus*
B.S., Caltech, 1958; M.S., 1959;
Ph.D., 1963. Research Fellow,
1963-65; Assistant Professor,
1965-69; Associate Professor,
1969-78; Professor, 1978-2001; von
Karman Professor, 2001-04; von
Karman Professor, Emeritus, 2004-.

Heather A Knutson, Ph.D.

*Professor of Planetary Science;
Divisional Academic Officer for
Geological and Planetary Sciences*

B.Sc., Johns Hopkins University, 2004; A.M., Harvard University, 2006; Ph.D., 2009. Visiting Associate, Caltech, 2010-11; Assistant Professor, 2011-17; Professor, 2017-; Divisional Academic Officer, 2022-.

Justin R Koch, B.S.
Lecturer in Mechanical and Civil Engineering
B.S., California Institute of Technology, 2015. Caltech, 2023.

Alwin Köhler, Ph.D.
Moore Distinguished Scholar
Ph.D., Harvard University, 2000. Caltech, 2023-24.

Monica D Kohler, Ph.D.
Research Professor of Mechanical and Civil Engineering
A.B., Harvard University, 1988; Ph.D., Caltech, 1995. Assistant Research Engineer, University of California (Los Angeles), 1998-2011. Visiting Associate, Caltech, 2007-11; Lecturer, 2009, 2012, 2013; Research Assistant Professor, 2011-17; Research Professor, 2018-.

Michael Kolios, Ph.D.
Visiting Associate in Chemical Engineering
B.S., University of Waterloo, 1991; M.S., University of Toronto, 1998; Ph.D., 1998. Caltech, 2022-23.

Charles A Kollmer, Ph.D.
Ahmanson Postdoctoral Instructor in History of Biology
B.A., Williams College, 2010; M.A., New York University, 2013; Ph.D., Princeton University, 2020. Caltech, 2020-23.

Manoochehr M Koochesfahani, Ph.D.
Visiting Associate in Aerospace
B.S., Rensselaer Polytechnic Institute, 1977; M.S., California Institute of Technology, 1978, Ph.D., 1984. Visiting Professor, 2001. Caltech, 2022-23.

Diana L Kormos-Buchwald, Ph.D.
Robert M. Abbey Professor of History; Director and General Editor, The Einstein Papers Project
B.Sc., Technion-Israel Institute of Technology, 1981; M.Sc., Tel Aviv University, 1983; A.M., Harvard University, 1985; Ph.D., 1990. Instructor, Caltech, 1989-90; Assistant Professor, 1990-96; Associate Professor, 1996-2005; Professor, 2005-17; Abbey Professor, 2018-.

Julia A Kornfield, Ph.D.
Elizabeth W. Gilloon Professor of

Chemical Engineering
B.S., Caltech, 1983; M.S., 1984; Ph.D., Stanford University, 1988. Assistant Professor, Caltech, 1990-95; Associate Professor, 1995-2001; Professor, 2001-19; Gilloon Professor, 2020-.

Victoria Kostina, Ph.D.
Professor of Electrical Engineering and Computing and Mathematical Sciences
B.S., Moscow Institute of Physics and Technology, 2004; M.S., University of Ottawa, 2006; Ph.D., Princeton University, 2013. Assistant Professor, Caltech, 2014-20; Professor, 2020-.

J M Kousser, Ph.D.
Professor of History and Social Science, Emeritus
A.B., Princeton University, 1965; M.Phil., Yale University, 1968; Ph.D., 1971. Instructor in History, Caltech, 1969-71; Assistant Professor, 1971-74; Associate Professor, 1974-79; Professor, 1979-2013, 2018-20; Kenan Professor, 2013-18; Professor, Emeritus, 2020-.

Anne J Kox, Ph.D.
Visiting Associate in History
M.S., University of Amsterdam, 1972; Ph.D., 1976. Pieter Zeeman Professor, 1998-. Visiting Professor, Caltech, 2003; Visiting Associate, 2005-24.

Prakash Kulkarni, Ph.D.
Visiting Associate in Biology and Biological Engineering
B.S., Karnatak University, 1976; Ph.D., Mangalore University, 1983. Caltech 2022-25.

Shrinivas R (Shri) Kulkarni, Ph.D., D.h.c.
George Ellery Hale Professor of Astronomy and Planetary Science
M.S., Indian Institute of Technology, 1978; Ph.D., University of California, 1983; D.h.c., Radboud University. Millikan Research Fellow, Caltech, 1985-87; Assistant Professor, 1987-90; Associate Professor, 1990-92; Professor, 1992-2001; MacArthur Professor, 2001-17; Hale Professor, 2017-; Executive Officer, 1997-2000; Director, Caltech Optical Observatories, 2006-18.

Akiko Kumagai, Ph.D.
Research Professor of Biology
B.S., Kyoto University (Japan), 1979; Ph.D., 1986. Senior Research Fellow, Caltech, 1989-95; Senior Research Associate, 1996-2014; Research Professor, 2014-.

Takashi Kurumaji, Ph.D.
Visiting Associate in Physics
B.S., University of Tokyo, 2010; M.S., 2012; Ph.D., 2014. Caltech, Visiting Associate, 2022-23.

Jenijoy La Belle, Ph.D.
Professor of English, Emeritus
B.A., University of Washington, 1965; Ph.D., University of California, San Diego, 1969. Assistant Professor, Caltech, 1969-76; Associate Professor, 1977-88; Professor, 1988-2007; Professor, Emeritus, 2007-.

Jay A Labinger, Ph.D.
Faculty Associate in Chemistry
B.S., Harvey Mudd College, 1968; Ph.D., Harvard University, 1974. Caltech, 1988-1996; Lecturer, 2008-11; Faculty Associate, 2006-25.

Michael P Lamb, Ph.D.
Professor of Geology
B.S., University of Minnesota, 2001; M.S., University of Washington, 2004; Ph.D., University of California, Berkeley, 2008. Assistant Professor, Caltech, 2009-14; Professor, 2014-.

Naomi R Lamoreaux, Ph.D.
Moore Distinguished Scholar
B.A., State University of New York, 1972; M.A., John Hopkins University, 1976; Ph.D., 1979. Caltech, 2023.

Robert J Lang, Ph.D.
Visiting Associate in Mechanical and Civil Engineering
B.S., California Institute of Technology, 1982; M.S., Stanford University, 1983; Ph.D., California Institute of Technology, 1986. Caltech, 2020-24.

Nadia Lapusta, Ph.D.
Lawrence A. Hanson, Jr., Professor of Mechanical Engineering and Geophysics
Dipl., Kiev State University, 1994; M.S., Harvard University, 1996; Ph.D., 2001. Assistant Professor, Caltech, 2002-08; Associate Professor, 2008-10; Professor, 2010-19; Hanson Professor, 2019-.

Vincent Lavallo, Ph.D.
Visiting Associate in Chemistry
B.S., University of California (Riverside), 2005; Ph.D., 2008. Caltech, 2023-2028.

Eugene Lavretsky, Ph.D.
Lecturer in Aerospace
M.S., Saratov State University (Russia), 1983; Ph.D., Claremont Graduate University, 2000. Lecturer in Computing and Mathematical

Sciences, 2006-14; 2015-2016; 2018; 2020-21; Caltech; 2022, 2023.

Joseph Lazio, Ph.D.
Visiting Associate in Astronomy
B.S., University of Iowa, 1989; M.S., Cornell University, 1992; Ph.D., 1997. Caltech, 2010-13; 2016-23.

Jared R Leadbetter, Ph.D.
Professor of Environmental Microbiology
B.S., Goucher College, 1991; Ph.D., Michigan State University, 1997. Assistant Professor, Caltech, 2000-06; Associate Professor, 2006-10; Professor, 2010-.

Hannah F LeBlanc, Ph.D.
Howard E. and Susanne C. Jessen Postdoctoral Instructor in STEM and Inequality
B.S., Brown University, 2012; Ph.D., Stanford University, 2019. Caltech, 2021-23.

John O Ledyard, Ph.D., D.Lit.h.c.
Allen and Lenabelle Davis Professor of Economics and Social Sciences, Emeritus
A.B., Wabash College, 1963; M.S., Purdue University, 1965; Ph.D., 1967; D.Lit.h.c., Purdue University. Professor, Caltech, 1985-2016; Davis Professor, 2002-16; Davis Professor, Emeritus, 2016-; Executive Officer, 1989-92; Division Chair, 1992-2002.

Brian Lee, Ph.D.
Visiting Associate in Biology and Biological Engineering
B.S., University of Southern California, 1999; Ph.D., Caltech, 2006; M.D., University of Southern California, 2008. Caltech, 2013-26.

Darrin J Lee, Ph.D.
Visiting Associate in Chemical Engineering
B.S., Brown University, 2002; Ph.D., University of California (Davis), 2013; M.D., University of California (Irvine), 2009. Caltech, 2018-23.

Jake H Lee, M.S.
Lecturer in Computing and Mathematical Sciences
B.S., Columbia University, 2019; M.S., 2020. Caltech, 2023.

Patrick A Lee, Ph.D.
Visiting Associate in Theoretical Physics
B.S., Massachusetts Institute of Technology, 1966; Ph.D., 1970. Moore Distinguished Scholar, 2010. Caltech, 2016-2024.

- Dennis Lehmkuhl, Ph.D.**
Visiting Associate in History and Philosophy of Science
M.Sc., Imperial College London, 2003; M.A., Hamburg University, 2006; DPhil., Oxford University (Oriental College), 2009. Visiting Associate, Caltech, 2010, 2012, 2015. Caltech, 2015-18; 2020-25.
- Stephanie Leifer, Ph.D.**
Visiting Associate in Applied Physics and Materials Science
B.A., University of Pennsylvania, 1989; M.S., California Institute of Technology, 1993; Ph.D., 1995. Caltech, 2021-25.
- Anthony Leonard, Ph.D.**
Theodore von Karman Professor of Aeronautics, Emeritus
B.S., Caltech, 1959; M.S., Stanford University, 1960; Ph.D., 1963. Professor, Caltech, 1985-2000; von Karman Professor, 2000-05; von Karman Professor, Emeritus, 2005-.
- Oscar F Leong, Ph.D.**
von Karman Instructor in Computing and Mathematical Sciences
B.A., Swarthmore College, 2016; M.A., Rice University, 2019; Ph.D., 2021. Caltech, 2021-23.
- Edan Lepucki, Ph.D.**
Lecturer in Creative Writing
B.A., Oberlin College, 2002; M.F.A., University of Iowa, 2006; Caltech, 2021; 2022; 2023.
- Laurie Leshin, Ph.D.**
Vice President and Director of the Jet Propulsion Laboratory; Bren Professor of Geochemistry and Planetary Science
B.S., Arizona State University, Tempe, 1987; M.S., Caltech, 1989; Ph.D., 1995. Bren Professor, Caltech, 2022-; Vice President and Director, Jet Propulsion Laboratory, 2022-.
- Henry A Lester, Ph.D.**
Professor of Biology
A.B., Harvard College, 1966; Ph.D., Rockefeller University, 1971. Assistant Professor, Caltech, 1973-76; Associate Professor, 1976-83; Professor, 1983-2000, 2017-; Bren Professor, 2000-2017; Executive Officer, 2010-13.
- Ines Levin Fiorelli, Ph.D.**
Visiting Associate in Political Science
B.A., Universidad ORT, Uruguay, 2004. Ph.D., California Institute of Technology, 2012. Caltech, 2023.
- Carmel Levitan, Ph.D.**
Visiting Associate in Biology and
- Biological Engineering*
B.A., Stanford University, 2001; Ph.D., University of California (San Francisco & Berkeley), 2007. Caltech, 2009-24.
- Dmitri Levitin, Ph.D.**
Visiting Associate in the Humanities
B.A., University of Cambridge, 2007; M.Phil., 2008; Ph.D., 2011. Caltech, 2022-23.
- Daniel Lewis, Ph.D.**
Lecturer in History
B.A., University of Redlands, 1981; M.A., University of California (Riverside), 1988, Ph.D., 1997. Caltech, 2018-23.
- Nathan S (Nate) Lewis, Ph.D.**
George L. Argyros Professor and Professor of Chemistry
B.S., Caltech, 1977; M.S., 1977; Ph.D., Massachusetts Institute of Technology, 1981. Associate Professor, Caltech, 1988-91; Professor, 1991-2001; Argyros Professor, 2002-.
- Kenneth G Libbrecht, Ph.D.**
Professor of Physics
B.S., Caltech, 1980; Ph.D., Princeton University, 1984. Visiting Associate, Caltech, 1984; Assistant Professor, 1984-89; Associate Professor, 1989-95; Professor, 1995-; Executive Officer, 1997-13.
- E J (John) List, Ph.D.**
Professor of Environmental Engineering Science, Emeritus
B.E., University of Auckland, 1961; M.E., 1962; Ph.D., Caltech, 1965. Research Fellow, 1965-66; Assistant Professor, 1969-72; Associate Professor, 1972-78; Professor, 1978-97; Professor, Emeritus, 1997-; Executive Officer, 1980-85.
- Charles Y Liu, Ph.D.**
Visiting Associate in Biology and Biological Engineering
B.S.E., University of Michigan (Ann Arbor), 1987; Ph.D., Rice University, 1993; M.D., Yale University School of Medicine, 1996. Resident Physician, University of Southern California, Keck School of Medicine, 1996-. Caltech, 2002-11; 2014-23.
- Chong Liu, Ph.D.**
Visiting Associate in Biology and Biological Engineering
B.S., Fudan University, China, 2008; Ph.D., University of California Berkeley, 2013. Caltech, 2023.
- Junjie Liu, Ph.D.**
Visiting Associate in Environmental Science and Engineering

B.S., Nanjing University of Information Science and Technology, 2000; M.S., 2003; Ph.D., University of Maryland, 2007. Caltech, 2017-24.

Yang Liu, Ph.D.

Visiting Associate in Geochemistry
B.S., Chengdu University of Technology, 1995; M.S., University of Michigan, 1998; Ph.D., 2003. Lecturer, 2015. Caltech, 2013-25.

Maya Livio, Ph.D.

Visiting Associate in Visual Culture
B.A., University of Maryland (College Park), 2007; M.A., University of Amsterdam, 2013; Ph.D., University of Colorado (Boulder), 2021. Lecturer, 2023; Caltech, 2023.

Carlos Lois, Ph.D.

Research Professor of Biology
M.D., University of Valencia, 1991; Ph.D., Rockefeller University, 1995. Caltech, Visiting Associate, 2014-15; Research Professor 2015-.

Gabriel Lopez-Moctezuma Jassan, Ph.D.

Assistant Professor of Political Science
B.A., Instituto Tecnológico Automomo de Mexico, 2007; M.A., Princeton University, 2012; Ph.D., 2016. Assistant Professor, Caltech, 2017-.

Gary A Lorden, Ph.D.

Professor of Mathematics, Emeritus
B.S., Caltech, 1962; Ph.D., Cornell University, 1966. Assistant Professor, Caltech, 1968-71; Associate Professor, 1971-77; Professor, 1977-2009; Professor, Emeritus, 2009-; Dean, Students, 1984-88; Vice President, Student Affairs, 1989-98; Acting Vice President, 2002; Executive Officer, 2003-06.

Steven H Low, Ph.D.

Frank J. Gilloon Professor of Computing and Mathematical Sciences and Electrical Engineering
B.S., Cornell University, 1987; M.S., University of California, 1989; Ph.D., 1992. Associate Professor, Caltech, 2000-06; Professor, 2006-18; Gilloon Professor, 2018-.

Becky Y Lu, Ph.D.

Lecturer in Music
B.A., Yale University, 2005; M.Phil., University of Oxford, 2014; Ph.D., Cornell University, 2021. Caltech, 2022-23.

Wenjia Luo, Ph.D.

Visiting Associate in Chemistry
B.S., Tsinghua University, 2007; M.S., 2010. Ph.D., The Ohio State

University, 2015. Caltech, 2023-24.

Urmila M Mahadev, Ph.D.

Assistant Professor of Computing and Mathematical Sciences; Nickerson Scholar

B.S., University of Southern California, 2010; Ph.D., University of California, Berkeley, 2018. Visiting Associate, Caltech, 2019-20; Assistant Professor, 2020-; Nickerson Scholar, 2021-.

Walid Majid, Ph.D.

Visiting Associate in Physics
B.S., Swarthmore College, 1986; M.S., University of Illinois, Urbana, 1987; Ph.D., 1993. Caltech, 2015-24.

Nikolai Makarov, Ph.D.

Richard Merkin Distinguished Professor of Mathematics
B.A., Leningrad University, 1982; Ph.D., LOMI Mathematics Institute (Leningrad), 1986. Visiting Professor, Caltech, 1991; Professor, 1991-13; Merkin Professor, 2013-.

Kebreten F Manaye, M.D.

Visiting Associate in Biology and Biological Engineering
M.D., Aristotle University of Thessaloniki, 1984. Caltech, 2022-25.

Oscar Mandel, Ph.D.

Professor of Literature, Emeritus
B.A., New York University, 1947; M.A., Columbia University, 1948; Ph.D., Ohio State University, 1951. Visiting Associate Professor, Caltech, 1961-62; Associate Professor, 1962-68; Professor, 1968-2003; Professor, Emeritus, 2003-.

Lukas Mandrake, Ph.D.

Lecturer in Computing and Mathematical Sciences
B.S., University of Arizona, 1994; M.S., University of California (Los Angeles), 1996; Ph.D., 2002. Caltech, 2023.

Karthish Manthiram, Ph.D.

Professor of Chemical Engineering and Chemistry; William H. Hurt Scholar
B.S., Stanford University, 2010; Ph.D., University of California, Berkeley, 2015. Visitor, Caltech, 2015-16; Visiting Associate, 2021; Professor, 2021-; Hurt Scholar, 2022-.

Elena Mantovan, Ph.D.

Taussky-Todd-Lonergan Professor of Mathematics
Laurea, University of Padova, 1995; M.A., Harvard University, 1998; Ph.D., 2002. Assistant Professor, Caltech, 2005-10; Associate Professor, 2010; Professor, 2010-23; Taussky-Todd-Lonergan Professor, 2023-; Executive Officer, 2016-19.

Uri M Maoz, Ph.D.

Visiting Associate in Biology and Biological Engineering

B.S., Hebrew University of Jerusalem, 2008; Ph.D., 2008. Caltech, 2019-23.

Alireza Marandi, Ph.D.

Assistant Professor of Electrical Engineering and Applied Physics

B.S., University of Tehran, 2006; M.S., University of Victoria, 2008; Ph.D., Stanford University, 2013. Visiting Associate, Caltech, 2017-18; Assistant Professor, 2018-.

Matilde Marcolli, Ph.D.

Robert F. Christy Professor of Mathematics and Computing and Mathematical Sciences

Laurea, University Degli Studi, 1993; M.Sc., University of Chicago, 1994; Ph.D., 1997. Caltech, Professor, 2008-19, Christy Professor, 2019-.

Rudolph A (Rudy) Marcus, Nobel Laureate, Ph.D., D.Sc.h.c., Fil.Dr.h.c., D.h.c.

John G. Kirkwood and Arthur A. Noyes Professor of Chemistry

B.Sc., McGill University, 1943; Ph.D., 1946; D.Sc.h.c., University of Chicago; McGill University; Polytechnic University; University of Oxford; University of New Brunswick; Queen's University; University of North Carolina (Chapel Hill); University of Illinois; Technion-Israel Institute of Technology; Universidad Politecnica de Valencia; University of Waterloo; Fil.Dr.h.c., Gothenburg University; D.h.c., Yokohama National University; Northwestern University. Noyes Professor, Caltech, 1978-2012; Kirkwood-Noyes Professor, 2013-.

David Maresca, Ph.D.

Visiting Associate in Chemical Engineering

M.S., Paris Diderot University, 2007; Ph.D., Erasmus University, 2013. Caltech, 2022.

Eric R Marinez, Ph.D.

Visiting Associate in Chemistry

B.S., California State University, Los Angeles, 1991; M.S., 1995; Ph.D., University of Southern California, 1999. Caltech, 2023.

Alain J Martin, Ph.D.

Professor of Computer Science, Emeritus

B.S., University of Marseille, 1965; Ing., Polytechnic Institute (Grenoble), 1969. Visiting Assistant Professor, Caltech, 1981-83; Visiting Associate Professor, 1983; Associate Professor, 1983-86; Professor, 1986-2016;

Professor, Emeritus, 2016-; Executive Officer, 1994-97.

Christopher Martin, Ph.D.

Edward C. Stone Professor of Physics; Director, Caltech Optical Observatories

B.A., Oberlin College, 1978; Ph.D., University of California, 1986.

Professor, Caltech, 1993-23; Stone Professor, 2023-; Director, Caltech Optical Observatories, 2023-; Executive Officer, 2022-23.

Sami F Masri, Ph.D.

Visiting Associate in Mechanical and Civil Engineering

B.S., University of Texas, 1960; M.S., 1961; M.S., Caltech, 1962; Ph.D., 1965. Professor, University of Southern California, 1981-. Research Fellow in Mechanical Engineering, Caltech, 1965-66; Visiting Associate, 1973; 1981; 1989-96; Visiting Associate in Civil Engineering, 2002-04, 2010-11; 2016-24.

Tara L Mastro, Ph.D.

Visiting Associate in Biology and Biological Engineering

B.S., University of California, Riverside, 2006; Ph.D., University of Southern California, 2015. Caltech, 2021-24.

Dimitri P Mawet, Ph.D.

David Morrisroe Professor of Astronomy; Jet Propulsion Laboratory Senior Research Scientist

Dipl., University of Liege, 2002; M.Phil., 2004; Ph.D., 2006. Associate Professor, Caltech, 2015-19; Professor, 2019-22; Morrisroe Professor, 2022-; Jet Propulsion Laboratory Research Scientist, 2015-22; Jet Propulsion Laboratory Senior Research Scientist, 2022-.

Stephen L (Steve) Mayo, Ph.D.

Bren Professor of Biology and Chemistry; Merkin Institute Professor

B.S., Pennsylvania State University, 1983; Ph.D., Caltech, 1987. Senior Research Fellow, Caltech, 1991-92; Assistant Professor, 1992-98; Associate Professor, 1998-2003; Professor, 2003-07; Bren Professor, 2007-; Merkin Institute Professor, 2021-; HHMI Investigator, 1994-07; Executive Officer, 2004-07; Vice Provost, 2007-10; Division Chair, 2010-20; Bowes Jr. Leadership Chair, 2012-20.

Sarkis Mazmanian, Ph.D.

Luis B. and Nelly Soux Professor of Microbiology

B.S., University of California, Los

Angeles, 1995; Ph.D., 2002. Assistant Professor, Caltech, 2006-12; Professor, 2012-14; Soux Professor, 2014-; HMRI Investigator, 2015-21.

Manuel Mazo Espinosa, Ph.D.
Visiting Associate in Mechanical and Civil Engineering
M.S., Royal Institute of Technology, 2003; M.S., University of California (Los Angeles), 2007; Ph.D. 2010. Caltech, 2023.

Eric V Mazumdar, Ph.D.
Assistant Professor of Computing and Mathematical Sciences and Economics
B.S., Massachusetts Institute of Technology, 2015; Ph.D., University of California, Berkeley, 2021. Assistant Professor, Caltech, 2021-.

Peter J McAniff, MBA
Lecturer in Economics
B.A., College of the Holy Cross, 1989; MBA, University of California (Los Angeles), 1994; J.D., 1994. Caltech, 2020; 2021; 2022:2023.

Lee P McCuller, Ph.D.
Assistant Professor of Physics
B.S., University of Texas, Austin, 2010; Ph.D., University of Chicago, 2015. Visiting Associate, Caltech, 2021-22; Assistant Professor, 2022-.

Margaret J McFall-Ngai, Ph.D.
Faculty Associate in Biology and Biological Engineering
B.S., University of San Francisco, 1973; Ph.D., University of California (Los Angeles), 1983. Moore Distinguished Scholar, 2011-12, 2013; Caltech, 2022-25.

Beverley J McKeon, Ph.D.
Theodore van Karman Professor of Aeronautics
B.A., University of Cambridge, 1995; M.Eng., 1996; M.A., Princeton University, 1999; Ph.D., 2003. Assistant Professor, Caltech, 2006-11; Professor, 2011-17; von Karman Professor, 2017-; Associate Director, Graduate Aerospace Laboratory, 2012-17; Division Deputy Chair, 2020-22.

Carver Mead, Ph.D., D.Sc.h.c., D.h.c.
Gordon and Betty Moore Professor of Engineering and Applied Science, Emeritus
B.S., Caltech, 1956; M.S., 1957; Ph.D., 1960; D.Sc.h.c., University of Lund (Sweden); D.h.c., University of Southern California. Instructor, Caltech, 1958-59; Assistant Professor, 1959-62; Associate Professor,

1962-67; Professor, 1967-80; Moore Professor, 1980-99; Moore Professor, Emeritus, 1999-.

Simona Mei, Ph.D.
Visiting Associate in Physics
Ph.D., University of Strasbourg, 1999. Professor, University of Paris, 2006-. Caltech, 2008-13; 2016-24.

Daniel I (Dan) Meiron, Ph.D.
Fletcher Jones Professor of Aeronautics and Applied and Computational Mathematics
S.B., Massachusetts Institute of Technology, 1976; Sc.D., 1981. Research Fellow, Caltech, 1981-83; Visiting Associate, 1984-85; Assistant Professor, 1985-89; Associate Professor, 1989-94; Professor, 1994-2006; Jones Professor, 2009-; Executive Officer, 1994-98; Associate Provost, 2000-04. Associate Director, Graduate Aerospace Laboratories, 2009-12.

Markus Meister, Ph.D.
Anne P. and Benjamin F. Biaggini Professor of Biological Sciences
Dipl., Technische Universität München, 1980; Ph.D., Caltech, 1987. Moore Distinguished Scholar, Caltech, 2004; Professor, 2012-13; Hanson Professor, 2013-15; Biaggini Professor, 2015-; Executive Officer, 2017-20.

Michael Mello, Ph.D.
Teaching Professor of Mechanical and Civil Engineering
B.S., Bridgewater State College, 1985; M.S., University of Rochester, 1988; Ph.D., Caltech, 2012. Lecturer, 2014-2020; Caltech, 2020-.

Jeffrey M (Jeff) Mendez, Ph.D.
Lecturer in Chemistry
B.S., California Institute of Technology, 1999; Ph.D., 2008. Caltech, 2013-23.

Trevor C Merrill, Ph.D.
Lecturer in French
B.A., Yale University, 2000; Ph.D., University of California, Los Angeles, 2011. Caltech, 2012-13; 2014-23.

Jerome C Mertz, Ph.D.
Visiting Associate in Electrical Engineering
A.B., Princeton University, 1984; Ph.D., University of California (Santa Barbara), 1991. Caltech, 2023.

Richard A Mewaldt, Ph.D.
Research Professor of Physics
B.A., Lawrence University, 1965; M.A., Washington University (St. Louis), 1967; Ph.D., 1971. Research Fellow,

Caltech, 1971-75; Senior Research Fellow, 1975-81; Lecturer, 1987; Research Professor, 1981-.

Victoria F Meyer, Ph.D.

Lecturer in Engineering

B.S., University of Bordeaux, 2008; M.S., EGID Institute, Bordeaux, 2010; Ph.D., Paul Sabatier University, 2017. Caltech, 2021-23.

Elliot Meyerowitz, Ph.D., D.h.c., D.Sc.h.c.

George W. Beadle Professor of Biology; Investigator, Howard Hughes Medical Institute

A.B., Columbia University, 1973; M.Phil., Yale University, 1975; Ph.D., 1977; D.h.c., École Normale Supérieure; D.Sc.h.c., Yale University. Assistant Professor, Caltech, 1980-85; Associate Professor, 1985-89; Professor, 1989-2002; Beadle Professor, 2002-; HHMI Investigator, 2013-; Executive Officer, 1995-2000; Division Chair, 2000-10.

Daniela U Mier, Ph.D.

Visiting Associate in Biology and Biological Engineering

M.A., University of Giessen, 2005; Ph.D., 2010. Caltech, 2023.

Charles E Miller, Ph.D.

Visiting Associate in Environmental Science and Engineering

B.S., Duke University, 1986; Ph.D., University of California (Berkeley), 1991. Caltech, 2012-14; 2016-23.

Austin J Minnich, Ph.D.

Professor of Mechanical Engineering and Applied Physics

B.S., University of California, Berkeley, 2006; M.S., Massachusetts Institute of Technology, 2008; Ph.D., 2011. Assistant Professor, Caltech, 2011-17, Professor, 2017-.

Mohammad Mirhosseini, Ph.D.

Assistant Professor of Electrical Engineering and Applied Physics

B.S., University of Tehran, 2010; M.S., University of Rochester, 2013; Ph.D., 2015. Visiting Associate, Caltech, 2020; Assistant Professor, 2020-.

Betsy Mitchell, M.A.

Director of Athletics, Physical Education and Recreation

M.A., University of Texas (Austin), 1991; B.S., 1998. Caltech, 2011-.

Dean Mobbs, Ph.D.

Professor of Cognitive Neuroscience; Allen V. C. Davis and Lenabelle Davis Leadership Chair, Caltech Brain Imaging Center; Director, Caltech Brain Imaging Center

B.S., University of Birmingham, 1999; Ph.D., University College London, 2008. Assistant Professor, Caltech, 2016-20; Professor, 2020-; Chen Scholar, 2019-21; Davis Leadership Chair, 2021-; Director, Caltech Brain Imaging Center, 2021-.

Alessandro Morbidelli, Ph.D.

Visiting Professor in Planetary Science
Ph.D., University of Namur, 1991. Caltech, 2023.

Florian Mormann, Ph.D.

Visiting Associate in Neuroscience
Ph.D., University of Bonn, 2003. Caltech, 2019: 2023.

Sergey Morozov, Ph.D.

Visiting Associate in Chemistry
Ph.D., South Ural State University, 1998. Caltech, 2020-25.

Elias R Most, Ph.D.

Assistant Professor of Theoretical Astrophysics

B.S., Georg-August Universität Göttingen, 2013; M.S., Johann-Wolfgang von Goethe University (Frankfurt), 2017; Ph.D., 2020. Visiting Associate, Caltech, 2022-23; Assistant Professor, 2023-.

Olexei I Motrunich, Ph.D.

Professor of Theoretical Physics

B.S., University of Missouri, 1996; Ph.D., Princeton University, 2001. Assistant Professor, Caltech, 2006-12; Professor, 2012-.

Liad Mudrik-Denan, Ph.D.

Visiting Associate in Psychology

M.A., Tel Aviv University, 2006; Ph.D., 2011; Ph.D., 2014. Caltech, 2015; 2022-23.

Thomas Mueller, Ph.D.

Visiting Associate in Environmental Science and Engineering

M.Sc., University of Freiburg, 1997; Ph.D., 2001; University of Bonn, habil., 2008. Caltech, 2022-23.

Duane O Muhleman, Ph.D.

Professor of Planetary Science, Emeritus

B.S., University of Toledo, 1953; Ph.D., Harvard University, 1963. Associate Professor, Caltech, 1967-71; Professor, 1971-97; Professor, Emeritus, 1997-; Staff Member, Owens Valley Radio Observatory, 1967-.

Dana Murphy, Ph.D.

Assistant Professor of Black Studies and English

B.A., University of California, Berkeley,

2011; M.A., University of California, Irvine, 2015; Ph.D., 2018. Assistant Professor, Caltech, 2021-.

Richard M Murray, Ph.D.
Thomas E. and Doris Everhart Professor of Control and Dynamical Systems and Bioengineering; William K. Bowes Jr. Leadership Chair, Division of Biology and Biological Engineering

B.S., Caltech, 1985; M.S., University of California, Berkeley, 1988; Ph.D., 1990. Assistant Professor, Caltech, 1991-97; Associate Professor, 1997-2000; Professor, 2000-06; Everhart Professor, 2006-; Division Chair, 2000-05, 2020-; Interim Division Chair, 2008-09; Bowes Jr. Leadership Chair, 2020-; Director, Information Science and Technology, 2006-09.

Hillary Mushkin, MFA
Research Professor of Art and Design in Engineering and Applied Science and the Humanities and Social Sciences

BFA, Rhode Island School of Design, 1991; MFA, University of California (Irvine), 1994. Caltech, 2011-.

Suraj Muthiramalil Ravindran, Ph.D.
Visiting Associate in Aerospace
B. Tech., University of Kerala, 2008; M. Tech., Indian Institute of Technology, 2011; Ph.D., University of South Carolina, 2018. Caltech, 2023-26.

Stevan Nadj-Perge, Ph.D.
Professor of Applied Physics and Materials Science
M.S., Belgrade University, 2006; Ph.D., Delft University of Technology, 2010. Visiting Associate, Caltech, 2015; Assistant Professor, 2016-23; Professor, 2023-.

Abbas Nasiraei Moghaddam, Ph.D.
Visiting Associate in Aerospace
B.S., University of Tehran, 1995; M.S., 1998; Ph.D., California Institute of Technology, 2006. Visiting Associate in Bioengineering, 2010-15. Caltech, 2022.

Vijay Natraj, Ph.D.
Visiting Associate in Planetary Sciences
B. E., National University of Singapore, 1998; M.S. California Institute of Technology, 2004; Ph.D., 2008; Caltech, 2020-23.

Hosea M Nelson, Ph.D.
Professor of Chemistry
B.S., University of California, Berkeley, 2005; Ph.D., Caltech, 2013. Visiting

Associate, Caltech, 2021; Professor, 2021-.

Dianne K Newman, Ph.D.
Gordon M. Binder/Amgen Professor of Biology and Geobiology
B.A., Stanford University, 1993; Ph.D., Massachusetts Institute of Technology, 1997. Clare Booth Luce Assistant Professor, Caltech, 2000-05; Associate Professor, 2005-06; Professor, 2006-16; Binder/Amgen Professor, 2016-; Davis Leadership Chair, 2017-20; HHMI Investigator, 2005-16; Executive Officer, 2017-23.

Harvey B Newman, Sc.D., D.h.c.
Professor of Physics
B.S., Massachusetts Institute of Technology, 1968; Sc.D., 1973; D.h.c., University Politehnica of Bucharest; Pavol Jozef Safarik University. Associate Professor, Caltech, 1982-90; Professor, 1990-17, 2022-; Goldberger Professor, 2017-22.

Hien T Nguyen, Ph.D.
Visiting Associate, Lecturer in Physics
Ph.D., Princeton University, 1993. Research Scientist, Jet Propulsion Laboratory, 2002-. Visiting Associate, Caltech, 2007-20; Lecturer, 2007; 2008; 2009; 2014; 2015-25.

Yi Ni, Ph.D.
Professor of Mathematics
B.S., Peking University, 2001; M.S., 2003; Ph.D., Princeton University, 2007. Assistant Professor, Caltech, 2009-15; Professor, 2015-.

Kirby K Nielsen, Ph.D.
Assistant Professor of Economics; William H. Hurt Scholar
B.A., Rice University, 2013; M.A., Ohio State University, 2014; Ph.D., 2018. Assistant Professor, Caltech, 2020-; Hurt Scholar, 2021-.

Axel Niemeyer, Ph.D.
Assistant Professor of Economics
B.Sc., University of Mannheim, 2017; M.Sc., University of Bonn, 2019; Ph.D., 2023. Assistant Professor, Caltech, 2023-.

Gunter Niemeyer, Ph.D.
Lecturer in Mechanical and Civil Engineering
B.A., RWTH Aachen University, 1986; M.S., Massachusetts Institute of Technology, 1990; Ph.D., 1996. Visiting Associate, 2018-19. Caltech, 2020-23.

Jonathan Nourse, Ph.D.
Lecturer in Geology
B.S., Colorado School of Mines, 1983; M.S., California Institute of

Technology, 1985; Ph.D., 1989.
Caltech, 2023.

Ralph G Nuzzo, A.B.

Visiting Associate in Applied Physics and Materials Science

A.B., Rutgers College, 1976;
Massachusetts Institute of
Technology; 1980. Caltech, 2015-19;
2021-25.

Ignacio Obeso Martin, Ph.D.

Visiting Associate in Cognitive Neuroscience

B.S., University of Deusto, 2001;
Ph.D., University College London,
2012. Caltech 2023.

John P O'Doherty, Ph.D.

Fletcher Jones Professor of Decision Neuroscience

B.A., University of Dublin, Trinity
College, 1996; D.Phil., University of
Oxford, 2000. Assistant Professor,
Caltech, 2004-07; Associate
Professor, 2007-09; Professor, 2009-;
Fletcher Jones Professor, 2021-;
Director, Caltech Brain Imaging
Center, 2013-17.

Hiroshi (Hiroshi Ooguri) Oguri, Ph.D.

Fred Kavli Professor of Theoretical Physics and Mathematics; Director, Walter Burke Institute for Theoretical Physics

B.A., Kyoto University (Japan), 1984;
M.A., 1986; Ph.D., University of Tokyo,
1989. Visiting Associate, Caltech,
1999-2000; Professor, 2000-07; Kavli
Professor, 2007-; Deputy Chair,
2010-15; Director, Walter Burke
Institute for Theoretical Physics,
2014-.

Yuki Oka, Ph.D.

Professor of Biology; Investigator, Heritage Medical Research Institute

B.A., The University of Tokyo, 2002;
Ph.D., 2007. Assistant Professor,
Caltech, 2014-20; Professor, 2020-;
Chen Scholar, 2019-2022; HMRI
Investigator, 2021-.

Mitchio Okumura, Ph.D.

Professor of Chemical Physics

B.S., Yale University, 1979; M.S.,
1979; C.P.G.S., University of
Cambridge, 1980; Ph.D., University of
California, 1986. Assistant Professor,
Caltech, 1988-94; Associate
Professor, 1994-2003; Professor,
2003-; Executive Officer, 2006-10.

Pio Ong, Ph.D.

*Lecturer and Postdoctoral Scholar
Research Associate in Mechanical and
Civil Engineering*

B.S., University of California, San

Diego, 2012; M.S., 2013; Ph.D., 2022.
Caltech 2023.

Christiane H Orcel, Ph.D.

Lecturer in French

M.A., Princeton University, 1987;
Ph.D., 1992. Instructor, Caltech,
1990-93; Lecturer, 1993-95; 1995-.

Peter C Ordeshook, Ph.D.

*Professor of Political Science,
Emeritus*

B.S., Massachusetts Institute of
Technology, 1964; Ph.D., University of
Rochester, 1969. Professor, Caltech,
1987-2009, 2013-23; Harkness
Professor, 2009-13; Professor,
Emeritus, 2023-; Executive Officer,
1992-95.

Victoria J Orphan, Ph.D.

*James Irvine Professor of
Environmental Science and
Geobiology; Allen V. C. Davis and
Lenabelle Davis Leadership Chair,
Center for Environmental Microbial
Interactions; Director, Center for
Environmental Microbial Interactions*

B.A., University of California, Santa
Barbara, 1994; Ph.D., 2002. Assistant
Professor, Caltech, 2004-2010;
Associate Professor, 2010; Professor,
2010-16; Irvine Professor, 2016-;
Davis Leadership Chair, 2020-;
Director, Center for Environmental
Microbial Interactions, 2020-.

Michael Ortiz, Ph.D.

*Frank and Ora Lee Marble Professor of
Aeronautics and Mechanical
Engineering, Emeritus*

B.S., Polytechnic University of Madrid,
1977; M.S., University of California,
1978; Ph.D., 1982. Sherman Fairchild
Distinguished Scholar, Caltech,
1994-95; Professor, 1995-2004;
Hayman Professor, 2004-13; Marble
Professor, 2013-20; Marble Professor,
Emeritus, 2020-.

Abhishek Oswal, Ph.D.

*Harry Bateman Instructor in
Mathematics*

B.S., Chennai Mathematical Institute,
India, 2014; M.S., University of
Toronto, 2015; Ph.D., 2020. Caltech,
2021-23.

Houman Owhadi, Ph.D.

*Professor of Applied and
Computational Mathematics and
Control and Dynamical Systems*

B.S., Ecole Polytechnique (France),
1994; M.S., Ecole Nationale des Ponts
et Chaussées, 1997; Ph.D., Ecole
Polytechnique Federale de Lausanne
(Switzerland), 2001. Assistant
Professor, Caltech, 2004-11;

Professor, 2011-.

Lior S Pachter, Ph.D.

Bren Professor of Computational Biology and Computing and Mathematical Sciences
B.S., Caltech, 1994; Ph.D., Massachusetts Institute of Technology, 1999. Bren Professor, Caltech, 2017-.

Stephen Padin, Ph.D.

Research Professor of Physics
B.Sc, University of Manchester, 1982; Ph.D., 1985. Caltech, 2009-.

Sharmila Padmanabhan, Ph.D.

Visiting Associate in Electrical Engineering
B.S., University of Mumbai, 2001; University of Massachusetts (Amherst), 2004; Ph.D., Colorado State University, 2009. Caltech, 2022-23.

Oskar J Painter, Ph.D.

John G Braun Professor of Applied Physics and Physics
B.S., University of British Columbia, 1994; M.S., Caltech, 1995; Ph.D., 2001. Visiting Associate, Caltech, 2001-02; Assistant Professor, 2002-08; Associate Professor, 2008-10; Professor, 2010-13; Braun Professor, 2013-; Executive Officer, 2010-13, 2019; Co-Director, Kavli Nanoscience Institute, 2011-13, 2015-19.

Thomas R Palfrey, Ph.D.

Flintridge Foundation Professor of Economics and Political Science, Emeritus
B.A., University of Michigan, 1975; M.A., 1976; Ph.D., Caltech, 1981. Professor, 1986-2002; Flintridge Foundation Professor, 2003-05, 2006-23; Flintridge Foundation Professor, Emeritus, 2023-; Executive Officer, 2001-02.

Anna Pandolfi, Ph.D.

Visiting Associate in Aerospace
M.S., Technical University (Milan), 1984; Ph.D., Université Paul Verlaine de Metz, 2007. Associate Professor, 2001-. Caltech, 1996-2001; 2005-06; 2008-13.

Michele Papucci, Ph.D.

Research Professor of Theoretical Physics
B.S., University of Pisa, 2001; M.S., Scuola Normale Superiore, Pisa, 2002; Ph.D., Scuola Normale Superiore, Pisa, 2009. Caltech 2019 -.

Jason R Parham, Ph.D.

Lecturer in Electrical Engineering

B. S., Pepperdine University, 2012; M.S., Rensselaer Polytechnic Institute, 2015; Ph.D., 2021. Caltech, 2022.

Carl S Parker, Ph.D.

Professor of Biochemistry
B.A., University of Rochester, 1973; Ph.D., Washington University, St. Louis, 1977. Assistant Professor, Caltech, 1981-87; Associate Professor, 1987-92; Professor, 1992-; Executive Officer, 2000-04.

Joseph Parker, Ph.D.

Assistant Professor of Biology and Biological Engineering; Chen Scholar
B.S., Imperial College London, 2001; Ph.D., University of Cambridge, 2005. Visiting Associate, Caltech, 2017; Assistant Professor, 2017-; Chen Scholar, 2022-.

Tod A Pascal, Ph.D.

Visiting Associate in Chemistry
B.S., Lincoln University, 2002; Ph.D., California Institute of Technology, 2009. Caltech, 2021-25.

Alina Patke, Ph.D.

Research Assistant Professor of Biology
B.S., Free University of Berlin, 1998; M.Sc., 2001; Ph.D., Humboldt University, 2007. Caltech, 2018-26.

Ryan B Patterson, Ph.D.

Professor of Physics
B.S., Caltech, 2000; Ph.D., Princeton University, 2007. Assistant Professor, Caltech, 2010-17; Professor, 2017-.

Volnei A Pedroni, Ph.D.

Lecturer in Electrical Engineering; Visiting Associate in Electrical Engineering
B.S., Federal University of Rio Grande do Sul, 1975; M.S., Caltech, 1990; Ph.D., 1995. Professor, Federal University of Technology, 1976-. Visiting Professor, 2008; 2011; 2013, 2015-20; Lecturer; 2021-23; Visiting Associate, 2023.

Sergio Pellegrino, Ph.D.

Joyce and Kent Kresa Professor of Aerospace and Civil Engineering; Jet Propulsion Laboratory Senior Research Scientist; Co-Director, Space-Based Solar Power Project
Laurea, University of Naples, 1982; Ph.D., University of Cambridge, 1986. Professor, Caltech, 2007-10; Kresa Professor, 2010-; Jet Propulsion Laboratory Senior Research Scientist, 2009-; Co-Director, Space-Based Solar Power Project, 2016-.

Pietro Perona, Ph.D.

Allen E. Puckett Professor of Electrical Engineering
D.Eng., University of Padua (Italy), 1985; Ph.D., University of California, Berkeley, 1990. Assistant Professor, Caltech, 1991-96; Professor, 1996-2008; Puckett Professor, 2008-; Director, Center for Neuromorphic Systems Engineering, 1999-2004; Executive Officer, 2006-10.

Jonas C Peters, Ph.D.

Bren Professor of Chemistry; Director, Resnick Sustainability Institute
B.S., University of Chicago, 1993; Ph.D., Massachusetts Institute of Technology; 1998. Assistant Professor, Caltech, 1999-2004; Associate Professor, 2004-06; Professor, 2006-09; Bren Professor, 2010-; Executive Officer, 2013-15; Director, Resnick Sustainability Institute, 2015-.

Peter A Petillo, Ph.D.

Visiting Associate in Applied Physics and Materials Science
B.S., University of New Hampshire-Durham, 1985; Ph.D., University of Wisconsin-Madison, 1991. Caltech, 2016-24.

Danny Petrasek, Ph.D.

Lecturer in Medical Engineering; Visiting Associate in Medical Engineering
B.S., University of California (Los Angeles), 1980; M.D., Chicago Medical School, 1985; Ph.D., Caltech, 2002. Clinical Professor, University of California (Los Angeles) School of Medicine, 2004-. Senior Research Fellow in Applied and Computational Mathematics and Bioengineering, 2002-08; Lecturer in Biology and Biological Engineering, 2005-11, 2013; 2014; 2016; 2017; 2018; 2022. Visiting Associate, Applied and Computational Mathematics and Bioengineering, 2008-13. Lecturer in Medical Engineering, 2004-2022. Visiting Associate, Medical Engineering, 2013-22.

Robert B Phillips, Ph.D.

Fred and Nancy Morris Professor of Biophysics, Biology, and Physics
B.S., University of Minnesota, 1986; Ph.D., Washington University, 1989. Clark Millikan Visiting Assistant Professor, Caltech, 1997; Professor, 2000-11; Morris Professor, 2012-.

E S (Sterl) Phinney, Ph.D.

Professor of Theoretical Astrophysics
B.S., Caltech, 1980; Ph.D., University

of Cambridge, 1983. Assistant Professor, Caltech, 1985-91; Associate Professor, 1991-95; Professor, 1995-; Executive Officer, 2013-16.

Bartholomaeus Pieber, Ph.D.

Visiting Associate in Chemistry
B.Sc., Graz University of Technology, 2009; M.Sc., 2011; Ph.D., 2015. Caltech, 2022.

Niles A Pierce, Ph.D.

Professor of Applied and Computational Mathematics and Bioengineering; Executive Officer for Biology and Biological Engineering
B.S.E., Princeton University, 1993; D.Phil., University of Oxford, 1997. Assistant Professor, Caltech, 2000-06; Associate Professor, 2006-10; Professor, 2010-; Acting Executive Officer, 2007; Executive Officer, 2007-13, 2020-.

George Pigman, Ph.D.

Professor of English
A.B., Harvard College, 1973; M.Phil., Yale University, 1975; Ph.D., 1977; Ph.D., Southern California Psychoanalytic Institute, 1989. Assistant Professor, Caltech, 1977-83; Associate Professor, 1983-93; Professor, 1993-; Executive Officer, 2003-08.

Charles R Plott, Ph.D., D.Lit.h.c., D.h.c

William D. Hacker Professor of Economics and Political Science, Emeritus
B.S., Oklahoma State University, 1961; M.S., 1964; Ph.D., University of Virginia, 1965; D.Lit.h.c., Purdue University; D.h.c., Universite Pierre Mendès. Professor, Caltech, 1971-87; Harkness Professor, 1987-2013; Hacker Professor, 2013-22; Hacker Professor, Emeritus, 2022-.

Leslie Plunkett

Lecturer in Art-Ceramics
Caltech, 2019-22.

Hugh D (David) Politzer, Nobel Laureate, Ph.D.

Richard Chace Tolman Professor of Theoretical Physics
B.S., University of Michigan, 1969; Ph.D., Harvard University, 1974. Visiting Associate, Caltech, 1975-76; Associate Professor, 1977-79; Professor, 1979-2004; Tolman Professor, 2004-; Executive Officer, 1986-88.

Luciano Pomatto, Ph.D.

Professor of Economics

B.A., Università di Torino, 2007; M.A., 2009; Ph.D., Northwestern University, 2015. Assistant Professor, Caltech, 2016-22; Professor, 2022-.

Frank C Porter, Ph.D.

Professor of Physics
B.S., Caltech, 1972; Ph.D., University of California, 1977. Research Fellow, Caltech, 1977-78; Weizmann Research Fellow, 1978-80; Senior Research Fellow, 1980-82; Assistant Professor, 1982-88; Associate Professor, 1988-94; Professor, 1994-.

Mohammad Farzad (Farzad)

Pourbabaee, Ph.D.

Postdoctoral Instructor in Economic Theory
B.S., Sharif University of Technology, 2013; M.S., McMaster University, 2015; M.S., University of California, Berkeley, 2021; Ph.D., 2021. Caltech, 2021-24.

Dov Poznanski, Ph.D.

Visiting Associate in Astronomy
B.S., Tel Aviv University, 2000; Ph.D., 2007. Caltech 2022-24.

Theodore M (Ted) Present, Ph.D.

Lecturer in Geology
B.S., California Institute of Technology, 2011, M.S., 2014, Ph.D., 2018. Caltech, 2022.

John P Preskill, Ph.D.

Richard P. Feynman Professor of Theoretical Physics; Allen V. C. Davis and Lenabelle Davis Leadership Chair, Institute for Quantum Science and Technology
A.B., Princeton University, 1975; A.M., Harvard University, 1976; Ph.D., 1980. Associate Professor, Caltech, 1983-90; Professor, 1990-2002; MacArthur Professor, 2002-09; Feynman Professor, 2010-; Davis Leadership Chair, 2017-.

Glenn Price, Ph.D.

Director of Performing and Visual Arts
B.S., University of Toronto, 1977; M.S., University of Rochester, 1981; Ph.D., 1986. Caltech, 2016-.

Thomas A (Tom) Prince, Ph.D.

Ira S. Bowen Professor of Physics, Emeritus
B.S., Villanova University, 1970; M.S., University of Chicago, 1972; Ph.D., 1978. Research Fellow, Caltech, 1979-80; Robert A. Millikan Research Fellow, 1980-82; Senior Research Fellow, 1982-83; Assistant Professor, 1983-86; Associate Professor, 1986-92; Professor, 1992-16; Bowen

Professor, 2017-21; Bowen Professor, Emeritus, 2021-; Davis Leadership Chair, 2017-23; Associate Director, Advanced Computer Research, 1995-2001; Director, Keck Institute, 2008-23; Chief Scientist, Jet Propulsion Laboratory, 2001-06; Jet Propulsion Laboratory Senior Research Scientist, 2006-21; Deputy Executive Officer, 2013-16.

David Prober, Ph.D.

Professor of Biology
B.Sc., University of Manitoba, 1995; Ph.D., University of Washington, 2002. Assistant Professor, Caltech, 2009-17; Professor, 2017-.

Carmie Puckett Robinson, M.D.

Visiting Associate in Biology and Biological Engineering
B.S., Michigan State University, 1970; M.D., 1975. Professor, University of Southern California, 2000-. Senior Research Fellow, Caltech, 1986-1992; Visiting Associate, 2006-09, 2010-25.

Dale I Pullin, Ph.D.

Robert H. Goddard Professor of Aeronautics
B.Sc., University of Melbourne, 1966; B.E., University of Sydney, 1968; Ph.D., Imperial College of Science and Technology, University of London, 1974. Visiting Associate, Caltech, 1990; Professor, 1991-2006, von Karman Professor, 2006-17; Goddard Professor, 2017-.

Lulu Qian, Ph.D.

Professor of Bioengineering
B.E., Southeast University, 2002; Ph.D., Shanghai Jiao Tong University, 2007. Assistant Professor, Caltech, 2013-18; Professor, 2019-.

Zhenpeng Qin, Ph.D.

Visiting Associate in Medical Engineering
B.S., Xi'an Jiaotong University, 2007; Ph.D., University of Minnesota, 2014. Caltech, 2022-23.

Kayleigh Quarterman, Ph.D.

Lecturer in English
B.A., California State University (Long Beach), 2013; M.A., 2016. Ph.D., University of California (Riverside), 2022. Caltech, 2023.

Steven R Quartz, Ph.D.

Professor of Philosophy
B.A., University of Western Ontario, Huron College, 1986; M.A., 1988; Ph.D., University of California, San Diego, 1993. Instructor, Caltech, 1998-99; Assistant Professor, 1999-2002; Associate Professor,

2002-10; Professor, 2010-.

Eric M Rains, Ph.D.

Professor of Mathematics, Emeritus
B.A., Case Western Reserve University, 1991; B.S., 1991; M.S., 1991; Ph.D., Harvard University, 1995. Visiting Associate and Lecturer, Caltech, 2002; Professor, 2007-23; Professor, Emeritus, 2023; Executive Officer, 2019-22.

Aditya Rajagopal, Ph.D.

Visiting Associate in Electrical Engineering
B.S., California Institute of Technology, 2008; M.S., 2010; Ph.D., 2014. Caltech, 2017-24.

Dinakar Ramakrishnan, Ph.D.

Taussky-Todd-Lonergan Professor of Mathematics, Emeritus
Ph.D., Columbia University, 1980. Professor, Caltech, 1988-2007; Taussky-Todd-Lonergan Professor, 2007-22; Taussky-Todd-Lonergan Professor, Emeritus, 2022; Executive Officer, 2013-16.

Anamparambu N (Ram)

Ramaprakash, Ph.D.

Visiting Associate in Astronomy
Btech, Technical University of Munich, 1992, Ph.D., University of Pune, 1999. Caltech 2015-23.

Narasimhan Ramarathinam, Ph.D.

Visiting Associate in Mechanical and Civil Engineering
B. Tech., Indian Institute of Technology, 1982; M.S., California Institute of Technology, 1983; Ph.D., 1987. Caltech, 2023.

Michael Ramsey-Musolf, Ph.D.

Visiting Associate in Physics
Ph.D., Princeton University, 1989. Professor, University of Wisconsin (Madison), 2007-. Visiting Associate, Caltech, 2001; 2007-25; Senior Research Associate, 2001-07; Lecturer, 2005-06.

Lisa Ruth Rand, Ph.D.

Assistant Professor of History; William H. Hurt Scholar
B.A., Barnard College, 2005; M.A., University of Pennsylvania, 2011; Ph.D., 2016. Assistant Professor, Caltech, 2021-; Hurt Scholar, 2022-.

Antonio Rangel, Ph.D.

Bing Professor of Neuroscience, Behavioral Biology, and Economics; Head Faculty in Residence
B.Sc., Caltech, 1993; M.S., Harvard University, 1996; Ph.D., 1998. Instructor, Caltech, 1997-98; Visiting Associate, 2005-06; Associate

Professor, 2006-10; Professor, 2010-13; Bing Professor, 2013-; Head Faculty in Residence, 2018-.

Vikram Ravi, Ph.D.

Assistant Professor of Astronomy
B.S., Australian National University, 2009; Ph.D., University of Melbourne, 2014. Visiting Associate, Caltech 2018-19; Assistant Professor, 2019-.

Guruswami (Ravi) Ravichandran, Ph.D., D.h.c.

John E. Goode, Jr., Professor of Aerospace and Mechanical Engineering
B.E., University of Madras, Regional Engineering College, 1981; Sc.M., Brown University, 1983; Sc.M., 1984; Ph.D., 1987; D.h.c., Paul Verlaine University. Assistant Professor, Caltech, 1990-95; Associate Professor, 1995-99; Professor, 1999-2005; Goode Professor, 2005-; Otis Booth Leadership Chair, 2015-21; Associate Director, Graduate Aerospace Laboratories, 2008-09; Director, Graduate Aerospace Laboratories, 2009-15; Division Chair, 2015-21.

Animesh Ray, Ph.D.

Visiting Associate in Biology and Biological Engineering
Ph.D., Monash University, 1984. Caltech, 2016-25.

Anthony C Readhead, Ph.D.

Robinson Professor of Astronomy, Emeritus
B.Sc., University of Witwatersrand, South Africa, 1968; Ph.D., University of Cambridge, 1972. Research Fellow, Caltech, 1974-75; Senior Research Fellow, 1976-79; Research Associate, 1979-81; Professor, 1981-2000; Rawn Professor, 2000-13; Robinson Professor, 2013-15; Robinson Professor, Emeritus, 2015-; Director, Owens Valley Radio Observatory, 1981-86, 2007-18; Executive Officer, 1990-92, 2012-13; Director, Chajnantor Observatory, 2006-2011; Jet Propulsion Laboratory Senior Research Scientist, 2006-15.

Umaa D Rebbapragada, Ph.D.

Lecturer in Computing and Mathematical Sciences
B.A., University of California (Berkeley), 1997; Ph.D., Tufts University, 2010. Caltech, 2023.

Vallapu P (V. Prakash) Reddy, Ph.D.

Visiting Associate in Chemistry
Ph.D., Case Western Reserve University, 1986. Caltech 2023-24.

Douglas C (Doug) Rees, Ph.D.
Roscoe Gilkey Dickinson Professor of Chemistry; Investigator, Howard Hughes Medical Institute
B.S., Yale University, 1974; Ph.D., Harvard University, 1980. Professor, Caltech, 1989-2004; Dickinson Professor, 2004-; HHMI Investigator, 1997-; Executive Officer, 2002-06, 2007-15; Dean, Graduate Studies, 2015-20.

Gil Refael, Ph.D.
Taylor W. Lawrence Professor of Theoretical Physics
B.S., Tel Aviv University, 1997; M.S., 1998; Ph.D., Harvard University, 2003. Assistant Professor, Caltech, 2005-08; Associate Professor, 2008-11; Professor, 2011-17; Lawrence Professor, 2017-; Executive Officer, 2014-20.

Sarah E Reisman, Ph.D.
Bren Professor of Chemistry
B.A., Connecticut College, 2001; Ph.D., Yale University, 2006. Assistant Professor, Caltech, 2008-14; Professor, 2014-20; Bren Professor, 2020-; HMRI Investigator 2015-21; Executive Officer, 2015-21.

David H Reitze, Ph.D.
Research Professor of Physics; Executive Director of the LIGO Project
B.A., Northwestern University, 1983; Ph.D., University of Texas (Austin), 1993. Professor, University of Florida, 1998-. Visiting Associate, Caltech, 1996-97; 2000; 2003; 2007-11; Senior Research Associate, 2011-16; Executive Director, 2011-21.

Anna H Resnick
Lecturer in Chemical Engineering
B.S., California Institute of Technology, 2019. Caltech 2023.

Elon Rimon, Ph.D.
Visiting Associate in Mechanical and Civil Engineering
B.S., Technion-Israel Institute of Technology, 1990; M.S., Yale University, 1987; Ph.D., 1995. Senior Lecturer, Technion - Israel Institute of Technology, 1994-. Research Fellow, Caltech, 1992-94; Visiting Associate, 1994-97; 1999-2004; 2008; 2010; 2011; 2012; 2013; 2014; 2015; 2016; 2017; 2018; 2019; 2021; 2022.

Robert C Ritchie, Ph.D.
Visiting Associate in History
A.B., Occidental College, 1960; Ph.D., University of California (Los Angeles), 1970. W. M. Keck Foundation Director of Research, Huntington Library and Art Gallery, 1992-. Visiting Associate,

Caltech, 1993-23; Lecturer, 1995; 1997; 1999; 2001; 2005.

Daniel Rittel, Ph.D.
Visiting Associate in Mechanical and Civil Engineering
B.S., Ben-Gurion University of the Negev, 1979; M.S., Hebrew University (Jerusalem), 1983; Ph.D., 1988. Associate Professor, Technion-Israel Institute of Technology, 2000-. Visiting Professor, Caltech, 2000; Clark B. Millikan Visiting Professor, 2006-07; Visiting Associate, 2001-06; 2007-12, 2013, 2016; 2023.

Maxwell J Robb, Ph.D.
Assistant Professor of Chemistry
B.S., Colorado School of Mines, 2009; Ph.D., University of California, Santa Barbara, 2014. Assistant Professor, Caltech, 2017-.

Gareth G Roberts, Ph.D.
Visiting Associate in Geology
B.S., University of Durham, 2006; Ph.D., University of Cambridge, 2010. Caltech 2023.

Francesca Rochberg, Ph.D.
Francis Bacon Visiting Professor of History
B.A., University of Pennsylvania, 1975. Ph.D., University of Chicago, 1980. Caltech, 2023.

Jennifer L Rodgers, Ph.D.
Research Assistant Professor of History
B.A., American University, 1998; M. A., University of Pennsylvania, 2010; Ph.D. 2014, Caltech, 2019-25.

Jose A Rodriguez, Ph.D.
Visiting Associate in Chemistry
Ph.D., University of California, Los Angeles, 2012. Caltech 2023-28.

Andrew Romero-Wolf, Ph.D.
Visiting Associate in Astronomy
B.S., University of Chicago, 2002; M.S., University of Chicago, 2005; Ph.D., University of Hawaii, 2010. Caltech 2019-24.

Alton D (Al) Romig, Ph.D.
Visiting Associate in Applied Physics and Materials Science
Ph.D., Lehigh University, 1979. Caltech, 2013-23.

Ares J Rosakis, Ph.D.
Theodore von Karman Professor of Aeronautics and Mechanical Engineering
B.Sc., University of Oxford, 1978; Sc.M., Brown University, 1980; Ph.D., 1982. Assistant Professor, Caltech, 1982-88; Associate Professor,

1988-93; Professor, 1993-2004; von Karman Professor, 2004-; Otis Booth Leadership Chair, 2013-15; Director, Graduate Aerospace Laboratories, 2004-09; Division Chair, 2009-15.

Phoebus Rosakis, Ph.D.

Visiting Associate in Aerospace
B.S., Brown University, 1983; M.S., California Institute of Technology, 1984; Ph.D., 1989. Caltech, 2011-24.

Paul A Rosen, Ph.D.

Lecturer in Electrical Engineering; Visiting Associate in Geophysics
B.S., University of Pennsylvania, 1981; M.S., 1982; Ph.D., Stanford University, 1989. Technical Group Supervisor, Jet Propulsion Laboratory, 1992-. Lecturer, 2000-03; 2005-2008; 2022-23. Visiting Associate, Caltech, 1998-2023.

Robert A Rosenstone, Ph.D.

Professor of History, Emeritus
B.A., University of California, Los Angeles, 1957; Ph.D., 1965. Visiting Assistant Professor, Caltech, 1966-68; Assistant Professor, 1968-69; Associate Professor, 1969-75; Professor, 1975-2012; Professor, Emeritus, 2012-; Executive Officer, 1983-86.

Jean-Laurent Rosenthal, Ph.D.

Rea A. and Lela G. Axline Professor of Business Economics; Director, Ronald and Maxine Linde Institute of Economic and Management Sciences
B.A., Reed College, 1984; Ph.D., Caltech, 1988. Professor of Economics, 2006-08; Axline Professor, 2008-; Executive Officer, 2007-13; Division Chair, 2014-22; Linde Leadership Chair, 2016-22; Director, Ronald and Maxine Linde Institute of Economic and Management Sciences, 2022-.

Zachary E Ross, Ph.D.

Assistant Professor of Geophysics; William H. Hurt Scholar
B.S., University of California, Davis, 2009; M.S., California Polytechnic State University, San Luis Obispo, 2011; Ph.D., University of Southern California, 2016. Assistant Professor, Caltech, 2019-; Hurt Scholar, 2021-.

George R Rossman, Ph.D.

Professor of Mineralogy
B.S., Wisconsin State University, 1966; Ph.D., Caltech, 1971. Instructor, 1971; Assistant Professor, 1971-77; Associate Professor, 1977-83; Professor, 1983-2008, 2015-; McMillan Professor, 2008-15; Divisional Academic Officer,

1999-2008.

Paul W Rothemund, Ph.D.

Visiting Associate in Computing and Mathematical Sciences, and Computation and Neural Systems
B.S., Caltech, 1994; Ph.D., University of Southern California, 2001. Beckman Senior Research Fellow, 2001-04; Senior Research Fellow, Computation and Neural Systems and Computer Science, 2004-08; Senior Research Associate, 2008-2015; Research Professor, 2015-2023; Visiting Associate, Caltech, 2001 2023-25.

Ellen Rothenberg, Ph.D.

Edward B. Lewis Professor of Biology
A.B., Harvard University, 1972; Ph.D., Massachusetts Institute of Technology, 1977. Assistant Professor, Caltech, 1982-88; Associate Professor, 1988-94; Professor, 1994-2007; Ruddock Professor, 2007-21; Distinguished Professor, 2021; Lewis Professor, 2021-.

Ira Z Rothstein, Ph.D.

Visiting Associate in Theoretical Physics
Sc.B., Brown University, 1985; M.S., 1987; Ph.D., University of Maryland, 1992. Assistant Professor, Carnegie Mellon University, 1998-. Caltech, 1999-2000; 2010; 2011; 2012; 2013; 2014; 2015; 2016-18; 2019; 2022, 2023.

Michael L Roukes, Ph.D.

Frank J. Roshek Professor of Physics, Applied Physics, and Bioengineering
B.A., University of California, Santa Cruz, 1978; Ph.D., Cornell University, 1985. Associate Professor, Caltech, 1992-96; Professor, 1996-2011; Abbey Professor, 2011-17; Roshek Professor, 2018-; Director, Kavli Nanoscience Institute, 2004-06; Co-Director, Kavli Nanoscience Institute, 2008-13.

Edward G Ruby, Ph.D.

Faculty Associate in Biology and Biological Engineering
B.S., Stetson University, 1971; Ph.D., University of California (San Diego), 1977. Moore Distinguished Scholar, 2011-12; Caltech, 2022-25.

Jonathan Russin, M.D.

Visiting Associate in Medical Engineering
B.S., Drew University, 2000; M.A., 2002. M.D., Rutgers New Jersey Medical School, 2006. Caltech, 2021-2025.

Ueli Rutishauser, Ph.D.

Visiting Associate in Biology and Bioengineering

B.S., University of Applied Sciences, Rapperswil, 2003; Ph.D., California Institute of Technology, 2008. Caltech, 2013-21; 2022-25.

David B Rutledge, Ph.D.

Kiyo and Eiko Tomiyasu Professor of Engineering, Emeritus

B.A., Williams College, 1973; M.A., University of Cambridge, 1975; Ph.D., University of California, 1980. Assistant Professor, Caltech, 1980-84; Associate Professor, 1984-89; Professor, 1989-2001; Tomiyasu Professor, 2001-18; Tomiyasu Professor, Emeritus, 2018-; Executive Officer, 1999-2002; Division Chair, 2005-08.

John E Sader, Ph.D.

Research Professor of Aerospace and Applied Physics

B.S., University of New South Wales, 1989; Ph.D., 1993. Visiting Associate, 2009; 2010; 2012-22; Caltech, 2022-.

Kota Saito, Ph.D.

Professor of Economics

M.A., University of Tokyo, 2007; Ph.D., Northwestern University, 2011. Assistant Professor, Caltech, 2011-16; Professor, 2017-.

Stanley P (Stan) Sander, Ph.D.

Visiting Associate in Planetary Science

B.A., Pomona College, 1974; M.S., Caltech, 1975; Ph.D., 1980. Senior Research Scientist, Jet Propulsion Laboratory, 1996-. Visiting Associate in Planetary Science and Environmental Engineering Science, Caltech, 1998-2005; Lecturer in Geology and Planetary Sciences and Environmental Engineering Science, 1998-2004, 2017; Visiting Associate in Planetary Science and Environmental Engineering and Science, 2005; Visiting Associate in Planetary Science, 2006-24.

Cesar M (Martin) Saravia, Ph.D.

Visiting Associate in Mechanical and Civil Engineering

B.S., National Technological University, 2004; Ph.D., Universidad Nacional del Sur, 2013. Caltech, 2021, 2023.

Anneela I Sargent, Ph.D., D.Sc.h.c.

Ira S. Bowen Professor of Astronomy, Emeritus

B.Sc., University of Edinburgh, 1963; M.S., Caltech, 1967; Ph.D., 1977; D.Sc.h.c., University of Edinburgh. Research Fellow, 1977-79; Member of

the Professional Staff, 1979-88; Senior Research Fellow, 1988-90; Senior Research Associate, 1990-98; Professor, 1998-2004, 2016-17; Rosen Professor, 2004-13; Bowen Professor, 2013-16; Bowen Professor, Emeritus, 2018-; Associate Director, Owens Valley Radio Observatory, 1992-96; Executive Director, 1996-98; Director, 1998-2007; Director, Interferometry Science Center, 2000-03; Director, Michelson Science Center, 2003; Vice President, Student Affairs, 2007-15.

Jonathan Sauder, Ph.D.

Visiting Associate in Aerospace

B.A., Bradley University, 2009; M.S., University of Southern California, 2011; Ph.D., 2013. Caltech, 2020-24.

Tilman Sauer, Ph.D.

Visiting Associate in History

Dipl., Free University (Berlin), 1990; Ph.D., 1994. Visiting Associate, Caltech, 2001-03; Senior Research Fellow, 2003-05; Senior Research Associate, 2005-; Lecturer, 2006; 2008; 2009. Caltech, 2018-25.

Jack Sayers, Ph.D.

Research Professor of Physics

Ph.D., California Institute of Technology, 2008. Caltech, 2016-24.

Mark Scheel, Ph.D.

Research Professor of Physics

Ph.D., Cornell University, 1996. Senior Research Fellow, Caltech, 2005-; Lecturer, 2005-06; 2014-15; Research Professor, 2015-.

Axel Scherer, Ph.D.

Bernard Neches Professor of Electrical Engineering, Applied Physics and Physics; Merkin Institute Professor

B.S., New Mexico Institute of Mining and Technology, 1981; M.S., 1982; Ph.D., 1985. Associate Professor, Caltech, 1993-95; Professor, 1995-2000; Neches Professor, 2000-; Merkin Institute Professor, 2021-; Director, Kavli Nanoscience Institute, 2006-08; Co-Director, Kavli Nanoscience Institute, 2008-11.

Tapio Schneider, Ph.D.

Theodore Y. Wu Professor of Environmental Science and Engineering; Jet Propulsion Laboratory Senior Research Scientist

Vordipl., Albert-Ludwigs-Universität Freiburg, 1993; Ph.D., Princeton University, 2001. Assistant Professor, Caltech, 2002-08; Associate Professor, 2008-09; Professor, 2009-10; Gilloon Professor, 2010-18; Wu Professor, 2018-; Director, Linde

Center, 2011-12; Executive Officer, 2011-12; Jet Propulsion Laboratory Senior Research Scientist, 2016-.

Peter Schroeder, Ph.D.

Shaler Arthur Hanisch Professor of Computer Science and Applied and Computational Mathematics
B.S., Technical University of Berlin, 1987; M.S., Massachusetts Institute of Technology, 1990; M.A., Princeton University, 1992; Ph.D., 1994.
Assistant Professor, Caltech, 1995-98; Associate Professor, 1998-2001; Professor, 2001-13; Hanisch Professor, 2013-; Division Deputy Chair, 2012-15; Acting Director, Center for Advanced Computing Research, 2013-14.

Bjarné Schuelke, Ph.D.

Hary Bateman Instructor in Mathematics
B.S., University of Bonn, 2016; M.S., University of Hamburg, 2018; Ph.D., University of Hamburg, 2021. Caltech, 2021-24.

Leonard J Schulman, Ph.D.

Professor of Computer Science
B.S., Massachusetts Institute of Technology, 1988; Ph.D., 1992.
Associate Professor, Caltech, 2000-05; Professor, 2005-.

Keith C Schwab, Ph.D.

Professor of Applied Physics
B.A., University of Chicago, 1990; Ph.D., University of California, 1996.
Associate Professor, Caltech, 2009-10; Professor, 2010-; Fletcher Jones Foundation Co-Director, Kavli Nanoscience Institute, 2013-15.

Daniel M Schwartz, Ph.D.

Physician in Residence
B.A., Haverford College, 1980; M.D., University of California, San Francisco, 1984. Caltech, 2020-24.

John H Schwarz, Ph.D.

Harold Brown Professor of Theoretical Physics, Emeritus
A.B., Harvard College, 1962; Ph.D., University of California, 1966.
Research Associate, Caltech, 1972-81; Senior Research Associate, 1981-85; Professor, 1985-89; Brown Professor, 1989-2014; Brown Professor, Emeritus, 2015-.

Nicholas Z (Nick) Scoville, Ph.D.

Francis L. Moseley Professor of Astronomy, Emeritus
B.A., Columbia University, 1967; Ph.D., 1972. Professor, Caltech, 1984-96; Moseley Professor, 1996-2016; Moseley Professor,

Emeritus, 2016-; Director, Owens Valley Radio Observatory, 1986-96; Executive Officer, 2000-04.

Thayer Scudder, Ph.D.

Professor of Anthropology, Emeritus
A.B., Harvard College, 1952; Ph.D., Harvard University, 1960. Assistant Professor, Caltech, 1964-66; Associate Professor, 1966-69; Professor, 1969-2000; Professor, Emeritus, 2000-.

Charles T (Chip) Sebens, Ph.D.

Professor of Philosophy
B.S., Massachusetts Institute of Technology, 2009; M.St., University of Oxford, 2010; Ph.D., University of Michigan, 2015. Assistant Professor, Caltech, 2018-23; Professor, 2023-.

Kimberly A See, Ph.D.

Assistant Professor of Chemistry
B.S. Colorado School of Mines, 2009; Ph.D., University of California, Santa Barbara, 2014; Visiting Associate, Caltech, 2017; Assistant Professor, 2017-.

John H Seinfeld, Ph.D., D.Sc.h.c.

Louis E. Nohl Professor of Chemical Engineering
B.S., University of Rochester, 1964; Ph.D., Princeton University, 1967; D.Sc.h.c., University of Patras; Carnegie Mellon University; Clarkson University. Assistant Professor, Caltech, 1967-70; Associate Professor, 1970-74; Professor, 1974-79; Nohl Professor, 1979-; Executive Officer, 1974-90, 2016-17; Division Chair, 1990-2000.

Daniel R (Dan) Semlow, Ph.D.

Assistant Professor of Biochemistry; Ronald and JoAnne Willens Scholar
B.S., University of Illinois, Urbana, 2005; Ph.D., University of Chicago, 2015. Visiting Associate, Caltech, 2019-20, Assistant Professor, 2020-; Willens Scholar, 2021-.

Alex L Sessions, Ph.D.

Nico and Marilyn van Wingen Professor of Geobiology
B.A., Williams College, 1991; M.Sc., Dartmouth College, 1996; Ph.D., Indiana University, Bloomington, 2001. Assistant Professor, Caltech, 2003-10; Associate Professor, 2010; Professor, 2010-23; van Wingen Professor, 2023-.

Shu-ou Shan, Ph.D.

Altair Professor of Chemistry; Executive Officer for Biochemistry and Molecular Biophysics
B.S., University of Maryland, 1994;

Ph.D., Stanford University, 2000.
Assistant Professor, Caltech, 2005-11;
Professor, 2011-; Altair Professor,
2019-; Executive Officer, 2015-.

Mikhail Shapiro, Ph.D.

Max Delbrück Professor of Chemical Engineering and Medical Engineering; Investigator, Howard Hughes Medical Institute

B.S., Brown University, 2004; Ph.D., Massachusetts Institute of Technology, 2008. Visiting Associate, Caltech, 2013; Assistant Professor, 2014-18; Professor, 2019-23; Delbrück Professor, 2023-; HMRI Investigator, 2015-21; Schlinger Scholar, 2017-18; HHMI Investigator, 2021-.

Sandeep Sharma, Ph.D.

Visiting Associate in Chemistry

B. Tech., Indian Institute of Technology, 2003; Ph.D., Massachusetts Institute of Technology, 2009. Caltech, 2023.

Raymond A Shaw, Ph.D.

Visiting Associate in Environmental Science and Engineering

B.S., Brigham Young University, 1993; Ph.D., Pennsylvania State University, 1998. Caltech, 2022-23.

Mohammad H Shehata, Ph.D.

Visiting Associate in Biology and Biological Engineering

B.S., Cairo University, Egypt, 2001; Ph.D., University of Toyama, Japan, 2011. Caltech, 2016-25.

Joseph E Shepherd, Ph.D.

C. L. "Kelly" Johnson Professor of Aeronautics and Mechanical Engineering

B.S., University of South Florida, 1976; Ph.D., Caltech, 1981. Associate Professor, 1993-99; Professor, 1999-08; Johnson Professor, 2008-; Davis Leadership Chair, 2018-20; Dean, Graduate Studies, 2009-15; Vice President, Student Affairs, 2015-20.

Melanie M Sherazi, Ph.D.

Lecturer in Writing

B.A., University of California, San Diego, 2000; Ph.D., University of California, Riverside, 2015. Caltech, 2017-19; 2021; 2022; 2023.

Robert P (Bob) Sherman, Ph.D.

Professor of Economics and Statistics

B.A., Marquette University, 1978; M.A., University of Louisville, 1985; M.Phil., Yale University, 1987; Ph.D., 1991. Assistant Professor, Caltech, 1996-99; Associate Professor,

1999-2005; Professor, 2005-; Executive Officer, 2019-22.

Shinsuke (Shin) Shimojo, Ph.D.

Gertrude Baltimore Professor of Experimental Psychology

B.A., University of Tokyo, 1978; M.A., 1980; Ph.D., Massachusetts Institute of Technology, 1985. Associate Professor, Caltech, 1997-98; Professor, 1999-2010; Baltimore Professor, 2010-.

Euncheol Shin, Ph.D.

Visiting Associate in Economics

M.S., Yonsei University, 2009; M.S., California Institute of Technology, 2012; Ph.D., 2016. Caltech, 2022-23.

Bikau Shukla, Ph.D.

Visiting Associate in Chemistry

M.S., Tribhuvan University, 1994; Ph.D., The University of Tokyo, 2008. Caltech 2023.

Matthew S (Matt) Shum, Ph.D.

William D. Hacker Professor of Economics

B.A., Columbia University, 1992; Ph.D., Stanford University, 1998. Professor, Caltech, 2008-16; Johnson Professor, 2016-22; Hacker Professor, 2023-.

Athanassios G (Thanos) Siapas, Ph.D.

Professor of Computation and Neural Systems

B.S., Massachusetts Institute of Technology, 1990; M.S., 1992; Ph.D., 1996. Assistant Professor, Caltech, 2002-08; Bren Scholar 2003-08; Associate Professor, 2008-10; Professor, 2010-; Executive Officer, 2017-20.

Constantine (Costis) Sideris, Ph.D.

Visiting Associate in Computing and Mathematical Sciences

B.S., California Institute of Technology, 2010; M.S., 2011, Ph.D., 2016. Lecturer, Caltech, 2017; Visiting Associate, 2018-23.

Daniel M Silevitch, Ph.D.

Research Professor of Physics

B.S., Massachusetts Institute of Technology, 1996; Ph.D., John Hopkins University, 2003. Caltech, 2015-.

David W Simmons-Duffin, Ph.D.

Professor of Theoretical Physics

A.B., Harvard University, 2006; A.M., 2006; C.A.S.M., University of Cambridge, 2007; Ph.D., Harvard University, 2012. Visiting Associate, Caltech, 2016-17; Assistant Professor, 2017-20; Associate Professor,

2020-21; Professor, 2021-.

Barry M Simon, Ph.D.; D.Sc.h.c.
*International Business Machines
Professor of Mathematics and
Theoretical Physics, Emeritus*
A.B., Harvard College, 1966; Ph.D.,
Princeton University, 1970; D.Sc.h.c.,
Technion-Israel Institute of
Technology; University of Wales
Swansea; Ludwig
Maximilians-Universität München.
Sherman Fairchild Distinguished
Scholar, Caltech, 1980-81; Professor,
1981-84; International Business
Machines Professor, 1984-2016;
International Business Machines
Professor, Emeritus, 2016-; Executive
Officer, 1997-2003; 2009-13.

Melvin I (Mel) Simon, Ph.D.

*Anne P. and Benjamin F. Biaggini
Professor of Biological Sciences,
Emeritus*
B.S., City College of New York, 1959;
Ph.D., Brandeis University, 1963.
Professor, Caltech, 1982-86; Biaggini
Professor, 1986-2005; Biaggini
Professor, Emeritus, 2005-; Division
Chair, 1995-2000.

Mark Simons, Ph.D.

*John W. and Herberta M. Miles
Professor of Geophysics; Jet
Propulsion Laboratory Chief Scientist*
B.S., University of California, Los
Angeles, 1989; Ph.D., Massachusetts
Institute of Technology, 1995.
Assistant Professor, Caltech,
1997-2003; Associate Professor,
2003-07; Professor, 2007-17; Miles
Professor, 2017-; Jet Propulsion
Laboratory Chief Scientist, 2017-.

Andrew J Sinclair, Ph.D.

Visiting Assistant Professor of Finance
B.S., University of Toronto, 2007;
M.Acc., University of Waterloo, 2009;
Ph.D., Yale University, 2017. Caltech,
2022-24.

Juni Singh, Ph.D.

*Postdoctoral Instructor in Social
Sciences of Sustainability*
B.A., University of Delhi, 2013; M.A.,
Paris School of Economics, 2015;
Ph.D., 2020. Caltech, 2022-24.

Annette J Smith, Ph.D.

Professor of Literature, Emeritus
B.A., University of Paris, Sorbonne,
1947; M.A., 1950; Ph.D., 1970. Visiting
Assistant Professor, 1970-71;
Lecturer, 1971-81; Associate
Professor, 1982-85; Professor,
1985-92; Professor, Emeritus, 1993-.

Suzanne Smrekar, Ph.D.

Visiting Associate in Geophysics
B.S., Brown University, 1984; Ph.D.,
Southern Methodist University, 1990.
Caltech, 2019-23.

B T Soifer, Ph.D.

*Harold Brown Professor of Physics,
Emeritus*
B.S., Caltech, 1968; Ph.D., Cornell
University, 1972. Senior Research
Fellow, Caltech, 1978-81; Senior
Research Associate, 1981-89;
Professor, 1989-15; Brown Professor,
2015-17; Brown Professor, Emeritus,
2017-; Director, Space Infrared
Telescope Facility (SIRTF) Science
Center, 1997-2004. Director, Spitzer
Science Center, 2004-21; Deputy
Chair, 2008-10; Acting Division Chair,
2010; Division Chair, 2010-14; Kresa
Leadership Chair, 2014-15.

Antoine Y Song, Ph.D.

Assistant Professor of Mathematics
B.S., Pierre and Marie Curie
University, 2014; M.S., 2015; Ph.D.,
Princeton University, 2019. Assistant
Professor, Caltech, 2022-.

Yang Song, Ph.D.

*Visiting Associate in Electrical
Engineering*
B.S., Tsinghua University, 2016; M.S.,
Stanford University, 2020; Ph.D.,
2022. Caltech, 2022-23

Maria Spiropulu, Ph.D.

Shang-Yi Ch'en Professor of Physics
B.Sc., Aristotle University of
Thessaloniki, 1993; M.A., Harvard
University, 1995; Ph.D., 2000.
Associate Professor, Caltech,
2008-11; Professor, 2011-17; Ch'en
Professor, 2017-.

Charles D Sprenger, Ph.D.

*Professor of Economics; Executive
Officer for the Social Sciences*
B.A., Stanford University, 2002; M.Sc.,
University College London, 2005;
Ph.D., University of California, San
Diego, 2011. Professor, Caltech,
2020-; Executive Officer, 2022-.

Philip Stamp, Ph.D.

Visiting Associate in Physics
B.S., University of Sussex, 1978;
M.Sc., University of Central
Lancashire, 1979; Ph.D., University of
Sussex, 1984. Caltech, 2019;
2021-24.

Damian A Stanley, Ph.D.

Visiting Associate in Psychology
Ph.D., New York University, 2005.
Caltech, 2016-24.

Angelike Stathopoulos, Ph.D.
Professor of Biology
B.A., University of California, 1992;
Ph.D., Stanford University, 1998.
Assistant Professor, Caltech, 2005-11;
Professor, 2011-.

Charles (Chuck) Steidel, Ph.D.
Lee A. DuBridge Professor of Astronomy
A.B., Princeton University, 1984;
Ph.D., Caltech, 1990. Assistant
Professor, 1995-97; Associate
Professor, 1997-98; Professor
1998-2004; DuBridge Professor,
2004-; Executive Officer, 2004-2007.

Paul W Stemberg, Ph.D.
Bren Professor of Biology
B.A., Hampshire College, 1978; Ph.D.,
Massachusetts Institute of
Technology, 1984. Assistant
Professor, Caltech, 1987-92;
Associate Professor, 1992-96;
Professor, 1996-2004; Morgan
Professor, 2004-17; Bren Professor,
2017-; HHMI Investigator, 1992-2017.

**David J (Dave) Stevenson, Ph.D.,
D.Sc.**
Marvin L. Goldberger Professor of Planetary Science, Emeritus
B.S., Victoria University (New Zealand), 1971; M.S., 1972; Ph.D.,
Cornell University, 1976; D.Sc.,
Victoria University. Associate
Professor, Caltech, 1980-84;
Professor, 1984-95; Van Osdol
Professor, 1995-2011; Goldberger
Professor, 2011-21; Goldberger
Professor, Emeritus, 2021-; Division
Chair, 1989-94.

Joann M Stock, Ph.D.
Professor of Geology and Geophysics
B.S., Massachusetts Institute of
Technology, 1981; M.S., 1981; Ph.D.,
1988. Visiting Assistant Professor,
Caltech, 1990; Associate Professor,
1992-98; Professor, 1998-.

**Edward M Stolper, Ph.D., D.Sc.h.c.,
D.Phil.h.c.**
Judge Shirley Hufstедler Professor of Geology
A.B., Harvard College, 1974; M.Phil.,
University of Edinburgh, 1976; Ph.D.,
Harvard University, 1979; D.Sc.h.c.,
University of Bristol; University of
Edinburgh; D.Phil.h.c., Hebrew
University. Assistant Professor,
Caltech, 1979-82; Associate
Professor, 1982-83; Professor,
1983-90; Leonhard Professor,
1990-2019; Millikan Professor,
2020-21; Distinguished Professor,
2021-22; Hufstедler Professor, 2022-;

Executive Officer, 1989-94; Division
Chair, 1994-2004; Acting Provost,
2004; Provost, 2007-17; Larson
Provostial Chair, 2013-17; Interim
President, 2013-14; Senior Advisor,
2017-19.

Brian M Stoltz, Ph.D.
Victor and Elizabeth Atkins Professor of Chemistry; Investigator, Heritage Medical Research Institute
B.A., B.S., Indiana University of
Pennsylvania, 1993; M.A., Yale
University, 1996; Ph.D., 1997.
Assistant Professor, Caltech, 2000-06;
Associate Professor, 2006-07;
Professor, 2007-; Bowles Professor,
2007-12; Atkins Professor, 2022-;
Executive Officer, 2010-12; HHMI
Investigator, 2021-.

Edward C Stone, Ph.D., D.Sc.h.c.
David Morrisroe Professor of Physics, Emeritus
S.M., University of Chicago, 1959;
Ph.D., 1964; D.Sc.h.c., Harvard
University; Washington University;
University of Chicago; University of
Southern California. Research Fellow,
Caltech, 1964-66; Senior Research
Fellow, 1967; Assistant Professor,
1967-71; Associate Professor,
1971-76; Professor, 1976-94;
Morrisroe Professor, 1994-2022;
Morrisroe Professor, Emeritus, 2022-;
Division Chair, 1983-88; Vice
President, Astronomical Facilities,
1988-90; Vice President and Director,
Jet Propulsion Laboratory, 1991-2001;
Vice Provost for Special Projects,
2004-22.

Paul B Stovall, A.A.
Lecturer in Mechanical and Civil Engineering; Supervisor, Mechanical Engineering Shop
A.A., Cerritos College, 1992. Caltech,
2020-23.

Ellen G Strauss, Ph.D.
Senior Research Associate in Biology, Emeritus
B.A., Swarthmore College, 1960;
Ph.D., Caltech, 1966. Research
Fellow, 1969-73; Senior Research
Fellow, 1973-84; Senior Research
Associate, 1984-2007; Senior
Research Associate Emeritus, 2007-.

Andrew M Stuart, Ph.D.
Bren Professor of Computing and Mathematical Sciences
B.S., University of Bristol, 1983; Ph.D.,
University of Oxford, 1986. Bren
Professor, Caltech, 2016-.

Tao Sun, Ph.D.
Visiting Associate in Chemical

Engineering

B.S., Xinjiang University, 2001; Ph.D., Shanghai Institute for Biological Sciences, Chinese Academy of Sciences, 2007. Caltech, 2021-23.

Anna Szumowicz, Ph.D.

Hary Bateman Instructor in Mathematics

M.S., University Paris 13, 2014; Ph.D., Durham University, 2019; Ph.D., Sorbonne University, 2019. Caltech 2020-23.

Reza Tadayan Nejad, Ph.D.

Visiting Associate in Neuroscience

Ph.D., University of Calgary, 2011; M.D., Ahwaz University of Medical Science, 2004. Caltech, 2019-24.

Shervin Taghavi Larigani, Ph.D.

Visiting Associate in Mechanical and Civil Engineering

M.S., California Institute of Technology, 2001; Ph.D., 2006. Caltech, 2015-20; 2021-24.

Yu-Chong Tai, Ph.D.

Anna L. Rosen Professor of Electrical Engineering and Medical Engineering

B.S., National Taiwan University, 1981; M.S., University of California, 1986; Ph.D., 1989. Assistant Professor, Caltech, 1989-95; Associate Professor, 1995-2000; Professor, 2000-13; Rosen Professor, 2013-; Cherng Leadership Chair, 2017-22; Executive Officer, 2005-08, 2013-22.

Michael K Takase, Ph.D.

Lecturer in Chemistry

B.S., University of Hawaii (Manoa), 2004; Ph.D., University of California (Irvine), 2009. Caltech, 2013; 2014; 2016; 2017; 2018; 2019; 2020; 2021; 2022.

Omer Tamuz, Ph.D.

Professor of Economics and Mathematics

B.Sc., Tel Aviv University, 2006; M.Sc., Weizmann Institute of Science, 2010; Ph.D., 2013. Assistant Professor, Caltech, 2015-19; Professor, 2019-.

Armand R Tanguay, Ph.D.

Visiting Associate in Biology and Biological Engineering

B.S., Caltech, 1971; M.S., Yale University, 1972; M.Phil., 1975; Ph.D., 1977. Associate Professor, University of Southern California, 1983-. Visiting Associate, Caltech, 1984; 1999-2003; 2017-25.

Robert D Tanner, Ph.D.

Visiting Associate in Chemical Engineering

B.S., University of Michigan, 1962; M.S., 1963; Ph.D., Case Western Reserve, 1967. Caltech, 2010-23.

Laura D Taylor, Ph.D.

Postdoctoral Instructor in the Social Sciences

B.A., Washington University, St. Louis, 2004; M.S., University of Queensland, 2008; Ph.D., University of Arizona, 2022. Caltech, 2022-24.

Joao Teixeira, Ph.D.

Visiting Associate in Environmental Science and Engineering

Ph.D., University of Lisbon, 2000. Caltech, 2010-24.

Julia Tejada, Ph.D.

Assistant Professor of Geobiology

B.Sc., Universidad Nacional Mayor de San Marcos, 2008; M.Sc. University of Florida, 2015; MA. Columbia University, 2017; M. Phil, 2019; Ph.D., 2020. Visiting Associate, Caltech, 2022; Assistant Professor, 2023-.

Saul A Teukolsky, Ph.D.

Robinson Professor of Theoretical Astrophysics

B.Sc., University of the Witwatersrand, 1970; Ph.D., Caltech, 1973. Visiting Associate, Caltech, 2015-16; Robinson Professor, 2017-.

Andrea Thabet Waldman, Ph.D.

Lecturer in History

B.A., Loyola Marymount University, 1997; M. A. University of California (Santa Barbara), 2005; Ph.D., 2013. Caltech, 2019; 2023.

Andrew F Thompson, Ph.D.

Professor of Environmental Science and Engineering; Director, Ronald and Maxine Linde Center for Global Environmental Science; Executive Officer for Environmental Science and Engineering

B.S., Dartmouth College, 2000; C.A.S., University of Cambridge, 2001, M.Phil., 2002; Ph.D., Scripps Institute of Oceanography, 2006. Assistant Professor, Caltech, 2011-17; Professor, 2017-; Academic Officer, 2019-22; Director, Linde Center, 2023-; Executive Officer, 2023-.

Matthew W Thomson, Ph.D.

Assistant Professor of Computational Biology; Investigator, Heritage Medical Research Institute

B.A., Harvard University, 2001; Ph.D., 2011. Visiting Associate, Caltech, 2016; Assistant Professor, 2017-; HMRI Investigator, 2018-.

Kip S Thome, Nobel Laureate, Ph.D., D.Sc.h.c., D.h.c., L.H.D.h.c.

Richard P. Feynman Professor of Theoretical Physics, Emeritus
B.S., Caltech, 1962; Ph.D., Princeton University, 1965; D.Sc.h.c., Illinois College; Utah State University; University of Chicago; D.h.c., Moscow University; University of Glasgow; L.H.D.h.c., The Claremont Graduate University. Research Fellow, Caltech, 1966-67; Associate Professor, 1967-70; Professor, 1970-91; Kenan Professor, 1981-91; Feynman Professor, 1991-2009; Feynman Professor, Emeritus, 2009-.

David A Tirrell, Ph.D., D.h.c.

Provost; Ross McCollum-William H. Corcoran Professor of Chemistry and Chemical Engineering; Carl and Shirley Larson Provostial Chair
B.S., Massachusetts Institute of Technology, 1974; M.S., University of Massachusetts, 1976; Ph.D., 1978; D.h.c., Eindhoven Technical University. McCollum-Corcoran Professor and Professor, Caltech, 1998-; Division Chair, 1999-2009; Director, Beckman Institute, 2011-17; Provost, 2017-; Larson Provostial Chair, 2017-.

Francois Tissot, Ph.D.

Assistant Professor of Geochemistry; Investigator, Heritage Medical Research Institute
Diplôme d'Ingenieur, École National Supérieure de Géologie, 2009; M.Sc., Lulea University of Technology, 2009; Ph.D., University of Chicago, 2015. Visiting Associate, Caltech, 2017-18; Assistant Professor, 2018-; HMRI Investigator, 2021-.

Ritsuko H Toner, M.A.

Lecturer in Japanese
B.A., Kyoto University of Foreign Studies (Japan), 1974; M.A., University of Southern California, 1979; Ph.D., 1987. Caltech, 1992-.

Sandra Troian, Ph.D.

Professor of Applied Physics, Aeronautics, and Mechanical Engineering
B.A., Harvard University, 1980; M.S., Cornell University, 1984; Ph.D., 1987. Moore Distinguished Scholar, Caltech, 2004-05; Professor, 2006-.

Joel A Tropp, Ph.D.

Steele Family Professor of Applied and Computational Mathematics
B.A., B.S., University of Texas, Austin, 1999; M.S., 2001; Ph.D., 2004. Assistant Professor, Caltech, 2007-12;

Professor, 2012-17; Steele Family Professor, 2017-.

Carol C (Chace) Tydell

Lecturer in Biology
B.S., University of California (Davis), 1980; D.V.M., 1982. Adjunct Professor, Pasadena City College, 2007-2010. Instructor Biological Sciences, Cerritos College, 2010 -. Visiting Associate, Caltech, 2007-10; Lecturer, 2008, 2010, 2011, 2012, 2013, 2014, 2015-23.

Paul A Ullrich, Ph.D.

Visiting Associate in Environmental Science and Engineering
B.S., University of Waterloo, 2007; M.S., 2007; Ph.D., University of Michigan, 2011. Caltech, 2021-24.

Christopher M (Chris) Umans, Ph.D.

Professor of Computer Science; William M. Coughran Jr. Leadership Chair, Department of Computing and Mathematical Sciences; Executive Officer for Computing and Mathematical Sciences
B.A., Williams College, 1996; Ph.D., University of California, Berkeley, 2000. Assistant Professor, Caltech, 2002-08; Associate Professor, 2008-10; Professor, 2010-; Division Deputy Chair, 2018-20; Coughran Leadership Chair, 2022-; Executive Officer, 2020-.

Carlo R (Carl) Urbinati, Ph.D.

Visiting Associate in Biology and Biological Engineering
B.S., University of Illinois, Urbana, 1992; Ph.D., Loyola University, Chicago, 1998. Caltech, 2017-18; 2019; 2022-23.

Kerry J Vahala, Ph.D.

Ted and Ginger Jenkins Professor of Information Science and Technology and Applied Physics; Executive Officer for Applied Physics and Materials Science
B.S., Caltech, 1980; M.S., 1981; Ph.D., 1985. Research Fellow in Applied Physics, 1985; Assistant Professor, 1986-90; Associate Professor, 1990-96; Professor, 1996-2002; Jenkins Professor, 2002-; Executive Officer, 2013-.

Paighat P Vaidyanathan, Ph.D.

Kiyo and Eiko Tomiyasu Professor of Electrical Engineering
B.Sc., University of Calcutta, 1974; B.Tech., 1977; M.Tech., 1979; Ph.D., University of California, Santa Barbara, 1982. Assistant Professor, Caltech, 1983-88; Associate Professor, 1988-93; Professor, 1993-2018;

Tomiyasu Professor, 2018-; Executive Officer, 2002-05.

Joan S Valentine, Ph.D.

Visiting Associate in Geobiology
A.B., Smith College, 1967; Ph.D., Princeton University, 1971. Professor, University of California (Los Angeles), 1981-. Caltech, 1986-2001, 2015-24.

Michele Vallisneri, Ph.D.

Visiting Associate in Theoretical Astrophysics
Laurea, University of Parma, Italy, 1997; M.S., 2000; Ph.D., Caltech, 2002. Research Scientist, Jet Propulsion Laboratory, 2005-. Lecturer, Caltech, 2003-05; Visiting Associate, 2005-23.

David A Van Valen, Ph.D.

Assistant Professor of Biology and Biological Engineering; Investigator, Heritage Medical Research Institute; Freeman Hrabowski Scholar
B.S., Massachusetts Institute of Technology, 2003; Ph.D., Caltech, 2011; M.D., University of California Los Angeles, 2013; Visiting Associate, Caltech, 2017-18; Research Assistant Professor, 2018; Assistant Professor, 2018-; HMRI Investigator, 2021-; Hrabowski Scholar, 2023-.

Michael C Vanier, Ph.D.

Teaching Professor of Computing and Mathematical Sciences
B.S., McGill University, 1986; M.S., California Institute of Technology, 1993; Ph.D., 2001. Lecturer in Computing and Mathematical Sciences, 2004-2020; Teaching Professor of Computing and Mathematical Sciences, 2020-.

Alexander J Varshavsky, Ph.D.

Thomas Hunt Morgan Professor of Biology
B.S., Moscow State University, 1970; Ph.D., Institute of Molecular Biology, 1973. Smits Professor, Caltech, 1992-17; Morgan Professor, 2017-.

Paulo Vasconcelos, Ph.D.

Visiting Associate in Geochemistry
B.S., University of Kansas, 1983; M.A., University of Texas (Austin), 1987; Ph.D., University of California (Berkeley), 1992. Caltech, 2011-16, 2020-24.

Michael A (Mike) Vivic, Ph.D.

Teaching Professor in Chemical Engineering
B.S., University of Akron, 1992; Ph.D., Caltech, 1999. Lecturer, 2003-08; 2010; 2012-20; Teaching Professor, 2021-25.

Thomas G Vidick, Ph.D.

Professor of Computing and Mathematical Sciences
B.S., Ecole Normale Supérieure, Paris, 2007; M.S., 2007; Ph.D., University of California, Berkeley, 2011. Assistant Professor, Caltech, 2014-17; Associate Professor, 2017-18; Professor, 2018-.

Juan Pablo Vigneaux Ariztia, Ph.D.

Olga Tausky and John Todd Instructor in Mathematics
B.S., Pontificia Universidad Católica de Chile, 2014; M.A., Pierre and Marie Curie University, 2015; Ph.D., University of Paris, 2019. Caltech, 2021-24.

Petr Vogel, Ph.D.

Senior Research Associate in Physics, Emeritus
Ph.D., Joint Institute of Nuclear Research (USSR), 1966. Senior Research Fellow, Caltech, 1970-75; Research Associate, 1975-81; Senior Research Associate, 1981-2004; Lecturer, 1983-90; 1992; 1995-96; 1999-2000; 2006; Senior Research Associate Emeritus, 2004-.

Rochus E (Robbie) Vogt, Ph.D.

R. Stanton Avery Distinguished Service Professor and Professor of Physics, Emeritus
S.M., University of Chicago, 1957; Ph.D., 1961. Assistant Professor, Caltech, 1962-65; Associate Professor, 1965-70; Professor, 1970-82; Avery Distinguished Service Professor, 1982-2002; Avery Distinguished Service Professor, Emeritus, 2002-; Chief Scientist, Jet Propulsion Laboratory, 1977-78; Division Chair, 1978-83; Acting Director, Owens Valley Radio Observatory, 1980-81; Vice President and Provost, 1983-87; Director, Laser Interferometer Gravitational-Wave Observatory Project, 1987-94.

Peter W Voorhees, Ph.D.

Visiting Associate in Applied Physics and Materials Science
B.S. Rensselaer Polytechnic Institute, 1977; Ph.D., 1982. Caltech, Moore Distinguished Scholar, 2019; Visiting Associate, 2019-24.

Rebecca M Voorhees, Ph.D.

Assistant Professor of Biology and Biological Engineering; Investigator, Heritage Medical Research Institute; Freeman Hrabowski Scholar
B.S., Yale University, 2007; M.Sc., 2007; Ph.D., MRC Laboratory of Molecular Biology, 2011. Visiting

Associate, Caltech, 2016-17; Assistant Professor, 2017-; HMRI Investigator, 2017-; Hrabowski Scholar, 2023-.

Daniel A Wagenaar, Ph.D.
Research Professor of Biology and Biological Engineering
M.S., University of Amsterdam, 1997; M.S., King's College - London, 1998; Ph.D., Caltech, 2006; 2016-.

Duane E Waliser, Ph.D.
Visiting Associate in Planetary Science
B.S., Oregon State University, 1985; M.S., University of California (San Diego), 1987; Ph.D., 1992. Research Scientist, Jet Propulsion Laboratory, 2004-. Caltech, 2004-24.

Fabian Walter, Ph.D.
Visiting Associate in Astronomy
M.S., University of New Mexico Albuquerque, 1995; Ph.D., University of Bonn, 1999. Caltech, 2015-.

Kaihang Wang, Ph.D.
Assistant Professor of Biology and Biological Engineering
B.S., University College, London, 2004; Ph.D., University of Cambridge, 2008. Visiting Associate, Caltech, 2017-18; Assistant Professor, 2018-.

Lihong Wang, Ph.D.
Bren Professor of Medical Engineering and Electrical Engineering; Andrew and Peggy Cherng Medical Engineering Leadership Chair; Executive Officer for Medical Engineering
B.S., Huazhong University of Science and Technology, 1984; M.S., 1987; Ph.D., Rice University, 1992. Visiting Associate, Caltech, 2016; Bren Professor, 2017-; Cherng Medical Engineering Leadership Chair, 2022-; Executive Officer, 2022-.

Pai Wang, Ph.D.
Lecturer in Chinese
B.A., Shaanxi Normal University, 2013; M.A., The Chinese University of Hong Kong, 2014; Ph.D., University of California, San Diego, 2022. Caltech, 2022-23.

Yuan Wang, Ph.D.
Visiting Associate in Planetary Science
B.A., Fudan University, 2007; Ph.D., Texas A&M; University, 2013. Caltech, 2022-23.

Zhen-Gang Wang, Ph.D.
Dick and Barbara Dickinson Professor of Chemical Engineering; Executive Officer for Chemical Engineering
B.Sc., Beijing University, 1982; Ph.D., University of Chicago, 1987. Assistant Professor, Caltech, 1991-97;

Associate Professor, 1997-2002; Professor, 2002-15; Hanson Professor, 2015-17; Dickinson Professor, 2017-; Executive Officer, 2019-.

Michael M Watkins, Ph.D.
Professor of Aerospace and Geophysics
B.S., University of Texas, Austin, 1983; M.S., 1985; Ph.D., 1989. Professor, Caltech, 2016-; Vice President and Director, Jet Propulsion Laboratory, 2016-21.

Ryan Watkins, Ph.D.
Visiting Associate in Mechanical and Civil Engineering
B.S., Clarkson University, 2009; M.S., University of Michigan, 2012, Ph.D., 2015. Caltech, 2023-25.

Glenn A Waychunas, Ph.D.
Visiting Associate in Geochemistry
B.A., Temple University, 1972; Ph.D., University of California (Los Angeles), 1979. Caltech, 2020-24.

Lu Wei, Ph.D.
Assistant Professor of Chemistry; Investigator, Heritage Medical Research Institute
B.S., Nanjing University, 2010; Ph.D., Columbia University, 2015. Visiting Associate, Caltech, 2017-18; Assistant Professor, 2018-; HMRI Investigator, 2021-.

Sander Weinreb, Ph.D.
Visiting Associate in Astronomy
B.S., Massachusetts Institute of Technology, 1958; Ph.D., 1963. Caltech, 1999-2024.

Alan J Weinstein, Ph.D.
Professor of Physics
A.B., Harvard University, 1978; Ph.D., 1983. Assistant Professor, Caltech, 1988-95; Associate Professor, 1995-99; Professor, 2000-; Executive Officer, 2020-23.

Cindy A Weinstein, Ph.D.
Eli and Edythe Broad Professor of English
B.A., Brandeis University, 1982; Ph.D., University of California, 1989. Assistant Professor, Caltech, 1989-95; Associate Professor, 1995-2005; Professor, 2005-16; Broad Professor, 2016-; Executive Officer, 2008-14; Vice Provost, 2014-18, 2019-21; Chief Diversity Officer, 2015-18, 2019-21.

Daniel P (Dan) Weitekamp, Ph.D.
Professor of Chemical Physics
B.A., Harvard College, 1974; Ph.D., University of California, 1982. Assistant Professor, Caltech, 1985-91;

Associate Professor, 1991-2006;
Professor, 2006-.

Linqing Wen, Ph.D.

Visiting Associate in Physics
B.S., University of Science and
Technology of China, 1992; M.S.,
Pennsylvania State University, 1995;
Ph.D., Massachusetts Institute of
Technology, 2001. Caltech, 2010-13;
2016-17; 2023.

Xiao-Gang Wen, Ph.D.

Moore Distinguished Scholar
B.S., University of Science and
Technology of China, 1982; M.A.,
Princeton University, 1983; Ph.D.,
1987. Moore Distinguished Scholar,
Caltech, 2006, 2007, 2023.

Paul O Wennberg, Ph.D.

*R. Stanton Avery Professor of
Atmospheric Chemistry and
Environmental Science and
Engineering*
B.A., Oberlin College, 1985; Ph.D.,
Harvard University, 1994. Associate
Professor, Caltech, 1998-2001;
Professor, 2001-04; Avery Professor,
2004-; Director, Linde Center,
2008-11, 2014-23; Executive Officer,
2012-23; Acting Director, Linde
Center, 2012-14.

Michael W Werner, Ph.D.

Visiting Associate in Physics
B.A., Haverford College, 1963; Ph.D.,
Cornell University, 1968. Caltech,
1992-96; 2009-13; 2016-25.

Brian P Wernicke, Ph.D.

Chandler Family Professor of Geology
B.S., University of Southern California,
1978; Ph.D., Massachusetts Institute
of Technology, 1982. Visiting
Professor, Caltech, 1990; Professor,
1992-2001; Chandler Professor,
2001-.

Nicolas Wey-Gomez, Ph.D.

Professor of History
B.A., Brandeis University, 1986; M.A.,
Johns Hopkins University, 1987; M.A.,
1991; PhD, 1996. Associate Professor,
Caltech, 2010; Professor, 2010-.

Kara Whatley, M.S.

University Librarian
B.A., Hendrix College, 1997; MLIS,
University of Oklahoma, 1999; M.S.,
Texas Tech University, 2004. Caltech,
2019-2024.

Mark E Wiedenbeck, Ph.D.

Visiting Associate in Physics
B.S., University of Michigan, 1971;
Ph.D., 1978. Principal Research
Scientist, Jet Propulsion Laboratory,
1992-. Lecturer, 2011; Visiting

Associate, 2009-24.

Adam C Wierman, Ph.D.

*Professor of Computing and
Mathematical Sciences; Director,
Information Science and Technology*
B.S., Carnegie Mellon University,
2001; M.S., 2004; Ph.D., 2007.
Assistant Professor, Caltech, 2007-12;
Professor, 2012-; Executive Officer,
2015-20; Associate Director,
Information Science and Technology,
2015-16; Director, Information Science
and Technology, 2016-.

Danielle L Wiggins, Ph.D.

Assistant Professor of History
B.A., Yale University, 2012; Ph.D.,
Emory University, 2018. Assistant
Professor, Caltech, 2019-.

John C Williams, Ph.D.

Visiting Associate in Chemistry
B.S., University of California (Santa
Cruz), 1990; M.S., Columbia
University, 1993; Ph.D., 1995. Caltech,
2020-25.

Nathan M Wilson, Ph.D.

Lecturer in Engineering
B.S., Virginia Polytechnic Institute and
State University, 1996; M.S., Stanford
University, 1997; M.B.A., University of
California (Los Angeles), 2009; Ph.D.,
Stanford University, 2003. Caltech,
2018-23.

Richard M Wilson, Ph.D.

Professor of Mathematics, Emeritus
B.S., Indiana University, 1966; M.S.,
Ohio State University, 1968; Ph.D.,
1969. Sherman Fairchild Distinguished
Scholar, Caltech, 1976; Professor,
1980-2014; Professor, Emeritus,
2014-.

Trenton C (Trent) Wilson

*Lecturer in Mechanical and Civil
Engineering*
Caltech, 2022-23.

Erik Winfree, Ph.D.

*Professor of Computer Science,
Computation and Neural Systems, and
Bioengineering*
B.S., University of Chicago, 1991;
Ph.D., Caltech, 1998. Assistant
Professor, 1999-2006; Associate
Professor, 2006-10; Professor, 2010-.

Jay R Winkler, Ph.D.

*Faculty Associate in Chemistry;
Lecturer in Chemistry; MBI & Director,
Laser Resource Center*
B.S., Stanford University, 1978; Ph.D.,
Caltech, 1984. Lecturer, 2002;
2004-05; 2009-10; 2013; 2014; 2015;
2016; 2017; 2018; 2021; 2022; 2023.
Faculty Associate, 2008-24

Kenneth J Winston, Ph.D.

Lecturer in Economics
B.S., Caltech, 1973; M.S., 1974;
Ph.D., Massachusetts Institute of
Technology, 1979. Caltech, 2011;
2012; 2013; 2014; 2015; 2016; 2017;
2018; 2020; 2021; 2022; 2023.

Mark B Wise, Ph.D.

*John A. McCone Professor of High
Energy Physics*
B.Sc., University of Toronto, 1976;
M.Sc., 1977; Ph.D., Stanford
University, 1980. Assistant Professor,
Caltech, 1982-84; Associate
Professor, 1984-85; Professor,
1985-92; McCone Professor, 1992-.

Matthew D Wodrich, Ph.D.

Visiting Associate in Chemistry
B.S., University of Arizona, 2002;
Ph.D., University of Georgia, 2006.
Caltech, 2022.

Barbara J Wold, Ph.D.

*Bren Professor of Molecular Biology;
Allen V. C. Davis and Lenabelle Davis
Leadership Chair, Richard N. Merkin
Institute for Translational Research;
Director, Richard N. Merkin Institute
for Translational Research*
B. S., Arizona State University, Tempe,
1973; Ph.D., Caltech, 1978. Research
Fellow, 1978; Assistant Professor,
1981-88; Associate Professor,
1988-96; Professor, 1996-2002; Bren
Professor, 2003-; Director, Beckman
Institute, 2001-11; Davis Leadership
Chair, Merkin Institute, 2019-;
Director, Merkin Institute, 2019-.

Juliann K (Juli) Wolfgram, Ph.D.

Lecturer in Art History
B.A., Scripps College, 1979; M.A.,
University of Kansas, 1986; M.Phil.,
1986; Ph.D., 1986. Caltech,
1992-2012; 2016; 2018; 2019; 2020;
2021; 2022; 2023.

James F Woodward, Ph.D.

*J. O. and Juliette Koepfli Professor of
the Humanities, Emeritus*
B.A., Carleton College, 1968; Ph.D.,
University of Texas, Austin, 1977.
Mellon Postdoctoral Instructor,
Caltech, 1983-86; Assistant Professor,
1986-88; Associate Professor,
1988-92; Professor, 1992-2001;
Koepfli Professor, 2001-10; Koepfli
Professor, Emeritus, 2010-; Executive
Officer, 1992-95; 2000-03.

Shukun Wu, Ph.D.

*Olga Taussky and John Todd
Instructor in Mathematics*
B.S., University of Science and
Technology of China, 2017; Ph.D.,
University of Illinois Urbana, 2021.

Caltech 2021-24.

Theodore Y Wu, Ph.D.

*Professor of Engineering Science,
Emeritus*
B. Sc., Chiao-Tung University (China),
1946; M.S., Iowa State University,
1948; Ph.D., Caltech, 1952. Research
Fellow, 1952-55; Assistant Professor,
1955-57; Associate Professor,
1957-61; Professor, 1961-66;
Professor, 1966-96; Professor,
Emeritus, 1996-.

Peter J Wyllie, Ph.D., D.Sc.h.c.

Professor of Geology, Emeritus
B.Sc., Saint Andrews University
(Scotland), 1952; B.Sc., 1955; Ph.D.,
1958; D.Sc.h.c., Saint Andrews
University. Professor, Caltech,
1983-99; Professor, Emeritus, 1999-;
Division Chair, 1983-87; Divisional
Academic Officer, 1994-99.

Chengxiang Xiang, Ph.D.

*Research Professor of Applied Physics
and Materials Science*
Ph.D., University of California (Irvine),
2009. Caltech, 2021-.

Yi Xin, Ph.D.

Assistant Professor of Economics
B.A, B.S., Peking University, 2012;
M.A., Johns Hopkins University, 2016;
Ph.D., 2018. Assistant Professor,
Caltech, 2018-.

Changhuei Yang, Ph.D.

*Thomas G. Myers Professor of
Electrical Engineering, Bioengineering,
and Medical Engineering; Investigator,
Heritage Medical Research Institute*
B.S., Massachusetts Institute of
Technology, 1997, 2002; M.S., 1997;
Ph.D., 2001. Assistant Professor,
Caltech, 2003-09; Associate
Professor, 2009-10; Professor,
2010-16; Myers Professor, 2016-;
HMRI Investigator, 2021-.

Amnon Yariv, Ph.D.

*Martin and Eileen Summerfield
Professor of Applied Physics and
Electrical Engineering*
B.S., University of California, Berkeley,
1954; M.S., 1956; Ph.D., 1958.
Associate Professor, Caltech,
1964-66; Professor, 1966-79; Myers
Professor, 1979-96; Summerfield
Professor, 1996-.

Linda Ye, Ph.D.

Assistant Professor of Physics
B.S., Tsinghua University, 2012; M.E.,
University of Tokyo, 2014; Ph.D.,
Massachusetts Institute of
Technology, 2020. Visiting Associate,
Caltech 2022-23, Assistant Professor,

2023-.

Nai-Chang Yeh, Ph.D.

Thomas W. Hogan Professor of Physics
B.S., National Taiwan University, 1983; Ph.D., Massachusetts Institute of Technology, 1988. Assistant Professor, Caltech, 1989-95; Associate Professor, 1995-97; Professor, 1997-2022; Hogan Professor, 2022-; Fletcher Jones Foundation Co-Director, Kavli Nanoscience Institute, 2013-19.

Jiangyue (Julia Jiangyue) Yu, Ph.D.

Lecturer in Chinese
B.A., Peking University, 2009; M.A., 2012; Ph.D., University of Sorbonne, 2018. Caltech, 2021-23.

Tony Yue Yu, Ph.D.

Professor of Mathematics
B.A., Peking University, China and École normale supérieure Paris, 2011; M.S., École normale supérieure Paris, 2013; Ph.D., University of Paris, 2016. Professor, Caltech, 2021-.

Yisong Yue, Ph.D.

Professor of Computing and Mathematical Sciences
B.S., University of Illinois, 2005; Ph.D., Cornell University, 2010. Assistant Professor, Caltech, 2014-20; Professor, 2020-.

Yuk L Yung, Ph.D.

Professor of Planetary Science; Jet Propulsion Laboratory Senior Research Scientist
B.S., University of California, 1969; Ph.D., Harvard University, 1974. Visiting Associate, Caltech, 1976; Assistant Professor, 1977-82; Associate Professor, 1982-86; Professor, 1986-2011, 2017-; Smits Family Professor, 2012-16; Jet Propulsion Laboratory Research Scientist, 2014-15; Jet Propulsion Laboratory Senior Research Scientist, 2015-.

Magdalena (Magda) Zernicka-Goetz, Ph.D.

Bren Professor of Biology and Biological Engineering
Ph.D., University of Warsaw, 1993. Visiting Associate, Caltech, 2018-19; Bren Professor, 2019-.

Zhongwen Zhan, Ph.D.

Professor of Geophysics
B.S., University of Science and Technology of China, 2006; M.S., 2008; Ph.D., Caltech, 2013. Assistant Professor, Caltech, 2015-22; Professor, 2022-.

Shan Zhong, Ph.D.

Visiting Associate in Aerospace
B.E., Tsinghua University (China), 1985; M.E., 1988; Ph.D., University of Cambridge, 1994. Caltech, 2022.

Yue Zhou, Ph.D.

Visiting Associate in Chemistry
Ph.D., Pennsylvania State University, 2015. Caltech, 2022-23.

Laiyin Zhu, Ph.D.

Visiting Associate in Planetary Science
B.S., Nanjing Forestry University, 2004; M.S., Beijing Normal University, 2008; Ph.D., Texas A&M; University, 2013. Caltech, 2022-2023.

Xinwen Zhu, Ph.D.

Professor of Mathematics
A.B., Peking University, 2004; Ph.D., University of California, Berkeley, 2009. Associate Professor, Caltech, 2014-16; Professor, 2016-.

Luigi Zingales, Ph.D.

Moore Distinguished Scholar
B.A., Università Bocconi Milano, 1987; Ph.D., Massachusetts Institute of Technology, 1992. Caltech, 2023.

Kai G Zinn, Ph.D.

Howard and Gwen Laurie Smits Professor of Biology
B.A., University of California, San Diego, 1977; Ph.D., Harvard University, 1983. Assistant Professor, Caltech, 1989-95; Associate Professor, 1995-1999; Professor, 1999-2017; Smits Professor, 2017-.

Jonas Zmuidzinis, Ph.D.

Merle Kingsley Professor of Physics
B.S., Caltech, 1981; Ph.D., University of California, 1987. Assistant Professor, Caltech, 1989-95; Associate Professor, 1995-2000; Professor 2000-10; Kingsley Professor, 2010-; Jet Propulsion Laboratory Senior Research Scientist, 2005-11; Jet Propulsion Laboratory Chief Technologist, 2011-16; Director, Micro-Devices Laboratory, Jet Propulsion Laboratory, 2007-11; Director, Caltech Optical Observatories, 2018-23.

Konstantin M Zuev, Ph.D.

Teaching Professor of Computing and Mathematical Sciences
B.S., Lomonosov Moscow State University, Russia, 2003; M.S., 2008; Ph.D., Hong Kong University of Science and Technology, 2009. Visiting Associate in Computing and Mathematical Sciences, 2011-13; Lecturer in Computing and Mathematical Sciences, 2015-20;

Teaching Assistant Professor of
Computing and Mathematical
Sciences, 2020-22; Caltech, 2022-.

Cinzia Zuffada, Ph.D.
Visiting Associate in Geophysics
Ph.D., University of Pavia, 1979.
Caltech 2023-24.

Kathryn M Zurek, Ph.D.
Professor of Theoretical Physics
B.S., Bethel University, 2001; Ph.D.,
University of Washington, 2006.
Professor, Caltech, 2019-.

