Section Six

Trustees, Administration, Faculty
OFFICERS

David L. Lee, Chairman
Ronald K. Linde, Vice Chairman

Thomas F. Rosenbaum, President
Edward M. Stolper, Provost
David A. Tirrell, Provost (Oct. 1)

Matthew Brewer
Controller
Diana Jergovic
Vice President for Strategic Implementation
Brian K. Lee
Vice President for Development and Institute Relations
Sharon E. Patterson
Associate Vice President for Finance and Treasurer
Scott Richland
Chief Investment Officer
Joseph E. Shepherd
Vice President for Student Affairs
Margo Steurbaut
Vice President of Administration and Chief Financial Officer
Victoria D. Stratman
General Counsel
Michael M. Watkins
Vice President and Director, Jet Propulsion Laboratory
Mary L. Webster
Secretary

SAWME

Sabeer Bhatia (2015)
Chief Executive Officer and Co-Founder Sabre Technologies, Inc.

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

David E. Chavez (2017)
Los Alamos National Laboratory

John S. Chen (2008)
Executive Chairman of the Board and Chief Executive Officer BlackBerry, Inc.

Wenchi Chen (2012)
President and Chief Executive Officer VIA Technologies, Inc.

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

Robert B. Chess (2006)
Chairman Nektar Therapeutics

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

Lounette M. Dyer (1998)
Entrepreneur

Joshua S. Friedman (2012)
Co-founder, Co-Chairman and Co-Chief Executive Officer Canyon Partners, LLC

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

Narendra K. Gupta (2011)
Managing Director Nexus Venture Partners

David D. Ho (2015)
Scientific Director and Chief Executive Officer Aaron Diamond AIDS Research Center

Ann Stimmler Johnson (2016)
Chief Executive Officer and Founder Interana, Inc.

G. Bradford Jones (2014)
Founding Partner Redpoint Ventures

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

Louise Kirkbride (1995)
Entrepreneur

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

BOARD OF TRUSTEES

Trustees
(with date of first election)

Spencer Abraham (2016)
Chairman and Chief Executive Officer The Abraham Group LLC

Mr. William H. Ahmanson (2017)
The Ahmanson Foundation

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

Barbara M. Barrett (2014)
Ambassador

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

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

Taylor W. Lawrence (2017)  
Chairman  
Raytheon Company

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

York Liao (1997)  
Managing Director  
Winbridge Company Ltd.

Alexander Lidow (1998)  
Chief Executive Officer  
EPC Corporation

Andrew N. Liveris (2013)  
Chairman and Chief Executive Officer  
The Dow Chemical Company

Shirley M. Malcolm (1999)  
Director, Education and Human Resources Programs  
American Association for the Advancement of Science

Mich J. Mathews-Spradlin (2016)  
Former Chief Executive Officer  
Citi Enterprise Payments

Deborah D. McWhinney (2007)  
Citi Bank

Mr. Alexander R. Mehran, Sr. (2017)  
Chairman  
Sunset Development Company

Richard N. Merkin, M.D. (2009)  
Founder and Chief Executive Officer  
Heritage Provider Network

Kenneth G. Moore (2014)  
Director of Bay Area Portfolio and Trustee  
Gordon and Betty Moore Foundation

Philip M. Neches (1995)  
Chairman  
Foundation Ventures, LLC

Eduardo A. Repetto (2015)  
Co-Chief Executive Officer and Co-Chief Investment Officer  
Dimensional Fund Advisors

Richard H. Scheller (2014)  
Chief Scientific Officer and Head of Therapeutics  
23andMe, Inc.

Timothy J. Sloan (2016)  
President and Chief Executive Officer  
Wells Fargo & Company

Donald W. Tang (2005)  
Founding Partner  
Tang Media Partners

Kevin M. Taweel (2012)  
Chairman  
Aurion Corporation

David W. Thompson (2012)  
President and Chief Executive Officer  
Orbital ATK, Inc.

Senior Trustees  
(with date of first election and date of election as Senior Trustee)

Managing Director  
Coastview Capital

Senior Venture Partner  
Sentinel HS Group, L.L.C.

Lynn A. Booth (2011)  
The Otis Booth Foundation

Milton M. Chang (2005, 2014)  
Managing Director  
Inubic Venture Capital

Founding Partner  
Mohr Davidow Ventures

President Emeritus  
California Institute of Technology

B. Kipling Hagopian (2012, 2014)  
Managing Partner  
Apple Oak Partners, L.L.C.

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

Maria D. Hummer-Tuttle (2012, 2016)  
Chair of the Board of Trustees  
J. Paul Getty Trust

Professor, Lyndon B. Johnson Centennial Chair in National Policy  
The University of Texas at Austin

Kent Kresa (1994, 2010)  
Chairman Emeritus  
Northrop Grumman Corporation

Independent Investor  
Chair, The Ronald and Maxine Linde Foundation

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

Executive Chairman  
Ciena Corporation

Peter Norton (2006, 2016)  
Norton Family Office

Trustees, Administration, Faculty
Ronald L. Olson (1998, 2014)
   Senior Partner
   Munger, Tolles & Olsen

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

   Chairman and President
   The Wonderful Company

   Chairman
   Rising Realty Partners

Marc I. Stern (2014, 2016)
   Chairman
   The Tcw Group, Inc.

   Founder and Former Chief Executive Officer
   Trimble Navigation Ltd.

Lewis W. van Amerongen (2004, 2012)
   LvA Enterprises, Inc.

Walter L. Weisman (1988, 2007)
   Former Chairman and Chief Executive Officer
   American Medical International, Inc.

   Nonprofit Consultant

   Corporate Governance Consultant

Life Members
   (with date of first election and date of election as Life Trustee)

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

   Senior Director
   Bechtel Group, Inc.

   Chairman of the Board
   The Irvine Company

Eli Broad (1993, 2007)
   Founder
   The Eli and Edythe Broad Foundation

   President Emeritus
   Counselor
   Center for Strategic and International Studies (CSIS)


Walter Burke (1975, 2010)
   Treasurer
   Sherman Fairchild Foundation, Inc.

Harry M. Conger (1985, 2007)
   Chairman & Chief Executive Officer, Emeritus
   Homestake Mining Company

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

   Chairman and Chief Executive Officer
   (Retired)
   Ionics, Inc.

Philip M. Hawley (1975, 1997)
   Chairman
   P. M. Hawley, Inc.

   Chairman Emeritus
   Intel Corporation

   Chairman and Chief Executive Officer
   (Retired)
   Getty Oil Company

   Principal
   Arthur Rock and Company

Benjamin M. Rosen (1986, 2005)
   Chairman Emeritus
   Compag Computer Corporation

Richard M. Rosenberg (1989, 2007)
   Chairman and Chief Executive Officer
   (Retired)
   Bank of America Corporation

   Vice Chairman (Retired)
   General Motors Corporation

Dennis Stanfill (1976, 1999)
   Private Investor

   Senior Vice President for Public Policy
   (Retired)
   Monsanto Company

Honorary Life Member

Betty I. Moore
   Cofounder
   Gordon and Betty Moore Foundation

Standing Committees

Executive Committee—D. L. Lee*,
   Chair; R. K. Linde, Vice Chair; R. C.
   Bonner*, B. M. Bren*, R. B. Chess*, W. H.
   Davidow*, J. S. Friedman*, B. R. Inman,
   K. Kresa, J. B. Kutler*, A. Lidow*, S. M.


* ex officio member
Chairs of Divisions

Stephen L. Mayo  
*Biology*

Jacqueline K. Barton  
*Chemistry and Chemical Engineering*

Fiona A. Harrison  
*Physics, Mathematics and Astronomy*

Guruswami Ravichandran  
*Engineering and Applied Science*

John P. Grotzinger  
*Geological and Planetary Sciences*

Jean-Laurent Rosenthal  
*Humanities and Social Sciences*

Administrative Committees

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

**Benefits**  

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

**Committee on Classified Research and Publication Restrictions at JPL**  
(Reports to the President)—D. I. Meiron, *Chair*; S. L. Mayo, T. A. Prince, M. Simons, J. J. Van Zyl, P. O. Wennberg, J. Zmuidzinas

**Computing Advisory Committee**  
(Reports to the Provost and the Vice President of Administration and Chief Financial Officer)—M. Spiropulu, *Chair*; G. K. Chan, J. Chang*, T. Colonius, M. Goulet*, G. J. Jensen, Y. P. Leong‡, S. E. Patterson, T. Port‡, M. S. Shum, A. F. Thompson

**Committee on Undergraduate Education**  

**Environmental Health and Safety**  

**Institute Academic Council**  

**Institute Administrative Council**  
FACULTY OFFICERS AND COMMITTEES 2017–18

Officers
Chair: R. C. Flagan
Vice Chair: M. Spiropulu
Secretary: R. M. Murray

Faculty Board
D. Asimakis, 2019
P. D. Asimow, 2019
J. M. Austin, 2020
G. A. Blake, 2018
S. Bordoni, 2020
W. M. Clemons, 2018
M. Desbrun, 2018
S. A. Hajimiri, 2018
C. Jurca, 2020
J. N. Katz, 2020
H. A. Knutson, 2020
T. F. Miller, 2019
O. J. Painter, 2019
D. Ramakrishnan, 2020
J. A. Tropp, 2018
D. Y. Tsao, 2019
P. O. Wennberg, 2018
L. Yariv, 2019

Ex Officio:
J. K. Barton
K. M. Gilmartin
J. P. Grotzinger
F. A. Harrison
S. L. Mayo
G. Ravichandran
D. C. Rees
T. F. Rosenbaum
J-L. Rosenthal
J. E. Shepherd
D. A. Tirrell

Steering
R. C. Flagan, Chair
P. D. Asimow
K. Bhattacharyya
B. W. Filippone
A. Stathopoulos
D. A. Tirrell
J. A. Tropp
C. A. Weinstein

* ex officio member
† representing graduate students
‡ representing undergraduate students
§ representing postdoctoral scholars
Academic Freedom and Tenure
L. Hillenbrand, 2019
C. Jurca, 2018
H. A. Lester, 2019
P. Perona, 2018
M. Spiropulu, 2018
J. M. Stock, 2018

Academic Policies
C. R. Hitchcock, Chair
B. Hassibi, 2018
E. M. Meyerowitz, 2020
C. S. Parker, 2018
A. L. Sessions, 2020

Athletics and Physical Education
T. K. Dennison, Chair
J. C. Doyle, 2020
B. W. Filippone, 2020
P. T. Hoffman, 2019
J. L. Kirschvink, 2019
B. Mitchell*
A. G. Siapas, 2018
B. M. Stoltz, 2018
J. Whitney*

Convocations
K. M. Gilmartin*
D. Prober, 2019
D. C. Rees*
P. Schroeder, 2019
L. Yariv, 2019
N. C. Yeh, 2020

Core Curriculum Steering
J. F. Hall, Chair
F. M. Echenique, 2020
M. Flach, 2020
K. M. Gilmartin*
M. L. Hunt, 2018
C. Jurca, 2020
K. Mawhinney*
M. Okumura, 2020
R. B. Patterson, 2018
K. G. Zinn, 2019

Curriculum
A. J. Weinstein, Chair
R. W. Clayton, 2018
K. M. Gilmartin*
L. Hsieh-Wilson, 2018
K. Mawhinney*
D. I. Meiron, 2020
L. S. Pachter, 2020
E. S. Phinney, 2019

Exchange Programs and Study Abroad (CEPSA)
H. B. Newman, Chair
T. Agapie, 2018
J. P. Ampuero Saenz, 2018
C. Daraio, 2020
M. Desbrun, 2019
K. Mawhinney*
J. P. O’Doherty, 2019
I. Peter, 2020
L. Stolper*
A. F. Thompson, 2018

Foreign Students and Scholars
Z.-G. Wang, Chair
D. Asimaki, 2018
S. Bordoni, 2019
G. W. Hallinan, 2018
A. Hoelz, 2019
A. Rangel, 2020
A. G. Siapas, 2020
I. Smith*

Freshman Admissions
P. D. Asimow, Chair
M. Aschbacher, 2019
D. C. Chan, 2020
G. A. George, 2019
D. Gilmore, 2018
N. H. Katz, 2020
K. G. Libbrecht, 2020
S. R. Quartz, 2019
S. Shimojo, 2020
D. J. Stevenson, 2018
C. M. Umans, 2018
J. Whitney*

Graduate Studies
B. J. McKeon, Chair
V. Chandrasekaran*
H. Choo*
R. W. Clayton*
W. M. Clemons*
B. Fultz*
K. P. Giapis*

Trustees, Administration, Faculty
N. Gilmore (non-voting)
T. B. Graber*
B. A. Hay*
L. Hillenbrand*
Y. T. Hou*
N. Lapusta*
M. Meister*
R. M. Murray*
O. J. Painter*
D. C. Rees*
M. S. Shum*
A. G. Siapas*
B. M. Stoltz*
A. F. Thompson*
C. Umans*
E. Winfree*
J. Zmuidzinas*
*ex officio member

Membership and Bylaws
M. Spiropulu, Chair
K. C. Border, 2019
M. Effros, 2018
N. S. Lewis, 2019
R. M. Murray*
B. P. Wernicke, 2018

Nominating
H. A. Lester, Chair
R. Adolphs, 2018
W. M. Clemons, 2017
W. Fischer, 2018
J. A. Tropp, 2018
N.-C. Yeh, 2018

Patents and Relations with Industry
S. H. Low, Chair
K. P. Giapis, 2019
R. F. Ismagilov, 2018
S. Mazmanian, 2020
N. A. Pierce, 2020
M. L. Roukes, 2018
K. J. Vahala, 2020

Scholarships and Financial Aid
N. Wey-Gomez, Chair
P. D. Asimow*
G. Blanquart, 2020
D. Crewell*
F. Eberhardt, 2018
K. M. Gilmartin*
C. S. Parker, 2018
G. Refael, 2018
S. Shimojo, 2019
J. Whitney*

Student Life and Housing
G. A. Blake, Chair
A. Aravin, 2020
A. H. Barr, 2020
J. L. Beauchamp, 2019
J. G. Cohen, 2018
K. M. Gilmartin*
T. Mannion (non-voting)
B. Mitchell*
D. C. Rees*
V. C. Tsai, 2020

Health
H. A. Lester, Chair
A. Barr, 2019
F. Eberhardt, 2020
K. M. Gilmartin*
S. Golwala, 2018
J. L. Howe*
J. M. McCallin*
S. C. Miller*
B. Mitchell*
N. A. Pierce, 2019
D. C. Rees*

Institute Programs
J. R. Greer, Chair
B. Brophy*
C. A. Hunter, 2019
A. P. Ingersoll, 2019
J. M. Jackson, 2019
B. K. Lee*
Z.-G. Wang, 2018

Library
K. Antelman*
B. L. Ehlmann, 2018
T. B. Graber, 2018
A. J. Minnich, 2020
L. S. Pachter, 2020
G. Rossman, 2018
K. C. Schwab, 2018
V. C. Tsai, 2020

Faculty Officers and Committees
Undergraduate Academic Standards and Honors
D. P. Weitekamp, Chair
J. P. Ampuero Saenz, 2019
P. M. Bellan, 2019
J. F. Brady, 2019
W. C. Brown, 2020
M. H. Dickinson, 2018
K. M. Gilmartin*
J. R. Heath, 2018
K. Mawhinney*
F. C. Porter, 2018

Upperclass Admissions
D. Asimaki, Chair
M. Guttman, 2018
J. A. Jahner, 2019
M. P. Lamb, 2019
S. H. Low, 2019
K. Mawhinney*
B. J. McKeon, 2019
T. F. Miller, 2019
J. Whitney*

*ex officio member
STAFF OF INSTRUCTION AND RESEARCH

Division of Biology and Biological Engineering

Stephen L. Mayo, William K. Bowes Jr. Leadership Chair
Dianne Newman, Executive Officer for Molecular Biology
Markus Meister, Executive Officer for Neurobiology
Michael Elowitz, Executive Officer for Biological Engineering
Thanos Siapas, Executive Officer for Computation and Neural Systems

Professors Emeriti

John N. Abelson, Ph.D.
George Beadle Professor of Biology
Charles J. Brokaw, Ph.D.
Biology
John J. Hopfield, Ph.D.
Roscoe G. Dickinson Professor of Chemistry and Biology
Masakazu Konishi
Bing Professor of Behavioral Biology
Jean-Paul Revel, Ph.D.
Albert Billings Ruddock Professor of Biology
Melvin I. Simon, Ph.D.
Anne P. and Benjamin F. Biaggini Professor of Biological Sciences
James H. Strauss, Ph.D.
Ethel Wilson Bowles and Robert Bowles Professor of Biology

Professors

Ralph Adolphs, Ph.D.
Bren Professor of Psychology, Neuroscience, and Biology; Allen V. C. Davis and Lenabelle Davis Leadership Chair, Caltech Brain Imaging Center; Director, Caltech Brain Imaging Center
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; Director, Tianqiao and Chrissy Chen Institute for Neuroscience
Alexei A. Aravin, Ph.D.
Biology
Frances H. Arnold, Ph.D.
Dick and Barbara Dickinson 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
Robert Andrews Millikan Professor of Biology
Pamela Bjorkman, Ph.D.
Centennial Professor of Biology
Marianne Bronner, Ph.D.
Albert Billings Ruddock Professor of Biology
Judith L. Campbell, Ph.D.
Chemistry and Biology
David C. Chan, M.D., Ph.D.
Biology
Michael H. Dickinson, Ph.D.
Esther M. and Abe M. Zarem Professor of Bioengineering and Aeronautics
William G. Dunphy, Ph.D.
Grace C. Steele Professor of Biology
Michael Elowitz, Ph.D.¹
Biology and Bioengineering; Executive Officer for Biological Engineering
Morteza Gharib, Ph.D.
Hans W. Liepmann Professor of Aeronautics and Bioinspired Engineering; Director, Graduate Aerospace Laboratories; Director, Center for Autonomous Systems and Technologies
Bruce A. Hay, Ph.D.
Biology

¹ Joint appointment with Howard Hughes Medical Institute
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*

Grant J. Jensen, Ph.D.
*Biophysics and Biology*

Mary B. Kennedy, Ph.D.
*Allen and Lenabelle Davis Professor of Biology*

Henry A. Lester, Ph.D.
*Biology*

Stephen L. Mayo, Ph.D.
*Bren Professor of Biology and Chemistry; William K. Bowes Jr. Leadership Chair, Division of Biology and Biological Engineering*

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; Executive Officer for Neurobiology*

Elliot M. Meyerowitz, Ph.D.
*George W. Beadle Professor of Biology*

Richard Murray, Ph.D.
*Thomas E. and Doris Everhart Professor of Control and Dynamical Systems and Bioengineering*

Dianne K. Newman, Ph.D.
*Gordon M. Binder/Amgen Professor of Biology and Geobiology; Executive Officer for Molecular Biology*

Lior 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 Biophysics*

Niles A. Pierce, Ph.D.
*Professor of Applied and Computational Mathematics and Bioengineering*

David Prober, Ph.D.
*Biology*

Ellen Rothenberg, Ph.D.
*Albert Billings Ruddock Professor of Biology*

Michael L. Roukes, Ph.D.
*Robert M. Abbey Professor of Physics, Applied Physics, and Bioengineering*

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

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

Angelie Sthathopoulos, Ph.D.
*Biology*

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

Doris Ying Tsao, Ph.D.
*Biophysics; T&G Chen Center for Systems Neuroscience Leadership Chair; Director, T&G Chen Center for Systems Neuroscience*

Alexander J. Varshavsky, Ph.D.
*Howard and Gwen Laurie Smits Professor of Cell 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*

Changhuei Yang, Ph.D.
*Thomas G. Myers Professor of Electrical Engineering, Bioengineering, and Medical Engineering*

Kai Zinn, Ph.D.
*Biology*

**Assistant Professors**

Lea Goentoro, Ph.D.
*Biology*

Viviana Gradinaru, Ph.D.
*Biology and Biological Engineering; Investigator, Heritage Medical Research Institute; Director, Center for Molecular and Cellular Neuroscience*

Mitchell Guttmann, Ph.D.
*Biology, Investigator, Heritage Medical Research Institute*

Elizabeth J. Hong, Ph.D.
*Clare Boothe Luce Assistant Professor of Neuroscience*

Yuki Oka, Ph.D.
*Biology*

Joseph Parker, Ph.D.
*Biology and Biological Engineering*

Lulu Qian, Ph.D.
*Bioengineering*

Matt Thomson, Ph.D.
*Computational Biology*
Rebecca M. Voorhees, Ph.D.
Biology and Biological Engineering;
Investigator, Heritage Medical Research Institute

^ Joint appointment with Howard Hughes Medical Institute

Senior Research Associate Emeriti
Anne Chomyn, Ph.D.
Ellen G. Strauss, Ph.D.
R. Andrew Cameron, Ph.D.

Lecturers
Brooke Anderson, MS, MA
L. Elizabeth Bertani, Ph.D.
Justin Bois, Ph.D.
Lindsay Bremer, Ph.D.
Andres Collazo, Ph.D.
Matthew J. Graham, Ph.D.
Julie Hoy, Ph.D.
Danny Petrasek, Ph.D.
Carol Chace Tydell, DVM

Research Professors
Long Cai, Ph.D.
Akiko Kumagai, Ph.D.
Carlos Lois, M.D., Ph.D.
Isabelle S. Peter Lashgari Faghani, Ph.D.
Daniel A. Wagenaar, Ph.D.
Mary An-yuan Yui, Ph.D.

Research Assistant Professors
Katalin Fejes Toth, M.D., Ph.D.

Senior Faculty Associate
Alice S. Huang, Ph.D.

Visiting Associates
Clare Baker, Ph.D.
Elaine L. Bearer, Ph.D., M.D.
William L. Caton III, M.D.
Kit Yu Karen Chen, Ph.D.
Raymond Deshaies, Ph.D.
Gareth J. Fraser, Ph.D.

Senior Postdoctoral Scholars
Yaron Antebi, Ph.D.
Yaron Antebi, Ph.D.
Sreeram Balasubramanian, Ph.D.
Michael Bethune, Ph.D.
Stephen A. Green, Ph.D.
Hiroyuki Hosokawa, PhD.
Laura Kerosuo-Pahlber, Ph.D.
Antti Lignell, Ph.D.
Devdoot Majumdar, Ph.D.
Maria Papadopoulou, Ph.D.
Ryan Remedios, Ph.D.
Hillel Schwartz, Ph.D.
Gil Sharon, Ph.D.
Chanpreet Singh, Ph.D.
Beth Stadtmueller, Ph.D.
Grigory Tikhomirov, Ph.D.

Postdoctoral Scholars
Eldad Afik, Ph.D.
Eldad Afik, Ph.D.
Zsuzsa Akos, Ph.D.
Suneel Reddy Alla, Ph.D.
Michelle Armenta Salas, Ph.D.
Maria Ashaber, Ph.D.
Amjad Askary, Ph.D.
Stefan Badelt, Ph.D.

Historical Sketch
Sreeram Balasubramanian, Ph.D.
Namrata Bali, Ph.D.
Pinglei Bao, Ph.D.
Christopher Barnes, Ph.D.
Luke Bashford, Ph.D.
Selvan Bavan, Ph.D.
Brittany Belin, Ph.D.
Megan Bergkessel, Ph.D.
Mario Blanco, Ph.D.
Angela M. Bruno, Ph.D.
Mark Budde, Ph.D.
Stephen Carter, Ph.D.
Moon-Yong Cha, Ph.D.
Collin Challis, Ph.D.
Rosemary Challis, Ph.D.
Ken Yee Chan, Ph.D.
Le Chang, Ph.D.
Shun Jia Chen, Ph.D.
Joonhyuk Choi, Ph.D.
Anjalika Chongtham, Ph.D.
Huutung Chu, Ph.D.
Roman A. Corfas, Ph.D.
Kyle Costa, Ph.D.
Kurt M. Dahlstrom, Ph.D.
William DePas, Ph.D.
Bradley Dickerson, Ph.D.
Fangyuan Ding, Ph.D.
Brian J. Duistermars, Ph.D.
Pauline Durand, Ph.D.
Kristina Verena Dylla, Ph.D.
Haruka Ebisu, Ph.D.
Roberto Feuda, Ph.D.
Christopher J. Fiorese, Ph.D.
Katherine Irene Fisher, Ph.D.
Andrew Flyak, Ph.D.
Kirsten Frieda, Ph.D.
Rachel Galimidi, Ph.D.
Xiaojing Gao, Ph.D.
Cody Geary, Ph.D.
William Tyler Gibson, Ph.D.
Ysabel Giraldo, Ph.D.
Nathaniel R. Glasser, Ph.D.
Nicholas Scott Goeden, Ph.D.
Sertan Kutal Gokce, Ph.D.
David Adler Gold, Ph.D.
Walter Gabriel Gonzalez, Ph.D.
Leopold N. Green, Ph.D.
Alon Grinbaum, Ph.D.
Harry Grinstein, Ph.D.
Shaobin Guo, Ph.D.
Ulrich Herget, Ph.D.
Erica Hutchins, Ph.D.
Joanna Jachowicz, Ph.D.
Min Jee Jang, Ph.D.
Andrew Jewett, Ph.D.
Shuai Jiang, Ph.D.
Alok Joglekar, Ph.D.
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  Electrical Engineering and Aerospace

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*Joint Center for Artificial Photosynthesis*

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*Computing and Mathematical Sciences*

Chengxiang Xiang, Ph.D.  
*Joint Center for Artificial Photosynthesis*

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*Environmental Science and Engineering*

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Geochemistry

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Planetary Science

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Planetary Science

Guillaume Avice, Ph.D.
Geochemistry

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AGEP Postdoctoral Scholar, Geochemistry

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<td>Nobel Laureate</td>
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    Astrophysics

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Everard Van Nieuwenburg, Ph.D.  
Theoretical Physics
Harish Vedantham, Ph.D.  
Tolman, Experimental Physics
Jean-Roch Vlimant, Ph.D.  
High Energy Physics
Andrew Wade, Ph.D.  
Physics
Congkao Wen, Ph.D.  
Theoretical Physics
Coral Wheeler, Ph.D.  
Astronomy
Quanzhi Ye, Ph.D.  
Astronomy
Marie Ygouf, Ph.D.  
Astronomy
Si Xie, Ph.D.  
Millikan Experimental Physics

Center for Data-Driven Discovery

George Djorgovski  
Director

Information Management Systems and Services

Jin Chang  
Chief Information Officer

Directorate

Beverly Allen  
Director, IBS Project Management Office
Glenn W. Bach  
Senior Director, Academic Computing Services and Academic Development Services
RuthAnne Bevier  
Chief Information Security Officer
Dawn Boyd  
Director, Voice and Data Networks
Ron Kong  
Associate Chief Information Officer
Robert Logan  
Senior Director, IMSS
Leslie Maxfield  
Director, Academic Media Technologies and Communications

Center for Data-Driven Discovery
Jet Propulsion Laboratory

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Michael Watkins, Director
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Director for Communications and Education
Janis L. Chodas
Director for Engineering and Science
Richard Cook
Associate Director for Flight Projects and Mission Success
Diane L. Evans
Director for Earth Science and Technology
René Fradet
Chief Financial Officer and Director for Business Operations
David Gallagher
Associate Director for Strategy, Technology and Formulation
Cozette M. Hart
Director for Human Resources
Sammy A. Kayali
Director of Office of Safety and Mission Success
Fuk K. Li
Manager, Mars Exploration Program Office and Director for Mars Exploration
Leslie L. Livesay
Director for Astronomy and Physics
Mark Simons
Chief Scientist
Suzanne Dodd
Director for Interplanetary Network
James J. Rinaldi
Chief Information Officer and Director for Information Technology
Victoria D. Stratman
Caltech General Counsel
Jakob van Zyl
Director for Solar System Exploration
Fred Hadaegh
Chief Technologist

Library Services

Administration
Kristin Antelman
University Librarian
Robin Izon
Library Operations Manager
Catherine Geard
Library Business Administrator

Department Heads
Gail P. Clement
Head of Research Services
Peter S. Collopy
University Archivist & Head, Special Collections
Stephen Davison
Head of Digital Library Development
David McCaslin
Head of Access & Fulfillment Services

Staff and Faculty Consultation Center

Linda Krippner, Psy.D., Director

Student Affairs

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Vice President for Student Affairs
Felicia A. Hunt
Assistant Vice President for Equity, Accessibility, and Inclusion Initiatives, and Title IX Coordinator
Dimitris A. Sakellariou
Assistant Vice President for Student Affairs Operations
Douglas C. Rees
Dean of Graduate Studies
Kevin Gilmartin
Dean of Undergraduate Students
Barbara C. Green
Associate Dean of Undergraduate Students
Betsy Mitchell
Director of Athletics, Recreation, and Physical Education
Jennifer Howes
Executive Director of Health and Counseling Services
Don A. Crewell
Director of Student Financial Aid
Maria A. Katsas
Director of Housing
Historical Sketch

Tom Mannion
  Senior Director Student Activities and Programs
John Tsai
  Medical Director of Health Services
Kim Mawhinney
  Interim Registrar
Lesley Nye
  Associate Dean of Undergraduate Students
Glenn Price
  Band Director and Director of Performing and Visual Arts
Lauren Stolper
  Director of Fellowships Advising and Study Abroad, and Career Development Center
Jonathan Webster
  Senior Director of Dining Services
Jarrid Whitney
  Executive Director of Admissions and Financial Aid

Student Affairs
OFFICERS AND FACULTY

University of California = UC Berkeley
California State University = Cal State L.A.

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

Sara Abdelsalam, Visiting Associate in Chemical Engineering

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-.
Chair, Division of Biology, 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 in Electrical Engineering, 1983; Assistant Professor, 1983-89; Associate Professor, 1989-94; Professor, 1994-.

Martin K Ackermann, Visiting Associate in Geobiology

Allan J Acosta, Ph.D., Richard L. and Dorothy M. Hayman Professor of Mechanical Engineering, Emeritus

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; Allen V. C. Davis and Lenabelle Davis Leadership Chair, Caltech Brain Imaging Center; Director, Caltech Brain Imaging Center
B.S., Stanford University, 1986; M.S., 1986; Ph.D., Caltech, 1992. Professor of Psychology and Neuroscience, 2004-05; Bren Professor, 2005--; Professor of Biology, 2005--; Davis Leadership Chair, 2017--; Director, Caltech Brain Imaging Center, 2008-13 and 2017--.

Andreas Aebi, Lecturer in German

Theodor Agapie, Ph.D., Professor of Chemistry
B.S., Massachusetts Institute of Technology, 2001; Ph.D., Caltech, 2007. Assistant Professor, Caltech, 2009-14; Professor, 2014-.

Piyush S Agram, Visiting Associate in Geophysics

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-.

Oded Aharonson, Visiting Associate in Planetary Science
B.S., Cornell University, 1994; M.Eng., 1995; Ph.D., Massachusetts Institute of Technology, 2002. Assistant Professor, Caltech, 2002-08; Associate Professor, 2008-10; Professor, 2010-11. Visiting Associate, 2013-18.

Ahmed Baker A Al Harbi, Visiting Associate in Chemistry

Arden L Albee, Ph.D., Professor of Geology and Planetary Science, Emeritus

Jason F Alicea, Ph.D., Professor of Theoretical Physics
B.S., University of Florida, 2001; M.A., University of California (Santa Barbara), 2005;
Clarence R Allen, Ph.D., Professor of Geology and Geophysics, Emeritus
B.A., Reed College, 1949; M.S., Caltech, 1951; Ph.D., 1955-59; Associate Professor, 1959-64; Professor, 1964-90; Professor Emeritus, 1990-. Interim Director, Seismological Laboratory, 1965-67; Acting Chairman, Division of Geology, 1967-68.

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, Visiting Associate in Mathematics

R.M (Michael) Alvarez, Ph.D., Professor of Political 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-.

Carlos Alvarez-Nogal, Visiting Associate in History

Oscar S Alvarez-Salazar, Lecturer in Aerospace

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-.

Zavosh Amir Khosravi, Olga Taussky and John Todd Instructor in Mathematics
B.Sc, University of Toronto, 2008; M.Sc, 2009; Ph.D., 2013. Caltech, 2016-19.

Jean Paul (Pablo) Ampuero Saenz, Ph.D., Professor of Seismology
B.S., University of Paris, VII; 1997; M.S., 1998; Ph.D., 2002. Assistant Professor, Caltech, 2008-16; Professor, 2016-.

Animashree (Anima) 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-.

Jorgen E Andersen, Visiting Associate in Mathematics

Richard A Andersen, Ph.D., James G. Boswell Professor of Neuroscience; T&G Chen Brain-Machine Interface Center Leadership Chair; Director, T&G 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 Brain-Machine Interface Center Leadership Chair, 2017-; Director, 2017-.

Brooke Anderson, Lecturer in Biology and Biological Engineering

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; Roger W. Sperry Professor, 2004-09; Benzer Professor, 2009-; Chen Institute for Neuroscience Leadership Chair, 2017-; HHMI Investigator, 1989-; Director, 2017-.

Jose E Andrade, Ph.D., George W. Housner Professor of Civil and Mechanical Engineering; Cecil and Sally Drinkward Leadership Chair, Department of Mechanical and Civil Engineering; Executive Officer for Mechanical and Civil 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, Department of Mechanical and Civil Engineering, 2017-; Executive Officer, 2016-.

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 for Chemistry, 1973-77; Chairman, Division of Chemistry and Chemical Engineering, 1984-94.
Kristin Antelman, University Librarian

Dimitrios Antsos, Lecturer in Electrical Engineering

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-.

Jasmina Arifovic, Visiting Associate in Economics

Gloria Arjona, Lecturer in Spanish

Frances H Arnold, Ph.D., D.h.c., Dick and Barbara Dickinson 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, 1996-99; Professor of Chemical Engineering and Biochemistry, 1999-2000. Dickinson Professor, 2000-; Director, Rosen Bioengineering Center, 2013-.

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

Janina S Bahnemann, Visiting Associate in Environmental Science and Engineering

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

Janina S Bahnemann, Visiting Associate in Environmental Science and Engineering

Clare V Baker, Visiting Associate in Biology and Biological Engineering

John D Baker, Lecturer in Aerospace
Mark J Bales, Visiting Associate in Aeronautics

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 of Chemistry, 1996-99; Johnson Professor and Professor Emeritus, 1999-. Chairman, Division of Chemistry and Chemical Engineering, 1973-78.

David Baltimore, Ph.D., D.Sc.h.c.,
D.Phil.h.c., Nobel Laureate; President Emeritus; Robert Andrews Millikan 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-. President, 1997-2006, President Emeritus, 2006-.

Luis Banares, Visiting Associate in Chemistry

Jie Bao, Visiting Associate in Physics

Barry C Barish, 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 of 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 for Computer Science, 2000-01.

Jim Barry, Lecturer in Art-Drawing, Painting, Silkscreen, and Airbrush

Jocsette Bellan, Visiting Associate in Mechanical and Civil Engineering
B.S., Lycee Jules Ferry, 1964; M.S., University...

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. Arthur Amos Noyes Research Fellow, Caltech, 1972-74; Assistant Professor, 1974-77; Associate Professor, 1977-79; Professor, 1979-93; Shell Distinguished Professor, 1985-90; Centennial Professor, 1993-15; Centennial Professor, Emeritus, 2015-. Executive Officer for Chemistry, 1999-2002.

Marcus C Berliant, Visiting Associate in Economics

Marco Bernardi, Ph.D., Assistant Professor of Applied 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. Caltech, 2015-.

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-.

Janusz W Bialek, Visiting Associate in Computing and Mathematical Sciences

Kathryn Bике, Lecturer in Geology

Igor A Bilenko, Visiting Associate in Physics
Ph.D., Moscow State University, 1991. Associate Professor, 1999-. Caltech, 2005-10; 2013; 2014-17.

Christina Birch, Lecturer in Engineering
B.S., University of Arizona, 2008; Ph.D., Massachusetts Institute of Technology, 2015. Caltech, 2016-17.

Dag Bjerve, Visiting Associate in Aerospace

Pamela J Bjorkman, Ph.D., Centennial Professor of Biology
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-; HHMI Investigator, 1989-2015; Executive Officer for Biology, 2000-06.

Eric Black, Lecturer in Physics

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 of Cosmochemistry, 1987-93; Associate Professor of Cosmochemistry and Planetary Sciences, 1993-97; Professor, 1997-99; Professor of Cosmochemistry and Planetary Sciences and Professor of Chemistry, 1999-. Deputy Director, Owens Valley Radio Observatory, 2000-06; Master of Student Houses, 2009-14.

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-.

James J (Jamie) Bock, Ph.D., Professor of Physics; Jet Propulsion Laboratory Senior Research Scientist

Felix H Boehm, Ph.D., William L. Valentine Professor of Physics, Emeritus
Dipl., Federal Institute of Technology (Zurich), 1948; Ph.D., 1951. Research Fellow, Caltech, 1953-55; Senior Research Fellow, 1955-58; Assistant Professor, 1958-59; Associate Professor, 1959-61; Professor, 1961-85; Valentine Professor, 1985-95; Valentine Professor Emeritus, 1995-.

Justin S Bois, Lecturer in Biology and Biological Engineering

Trustees, Administration, Faculty
Kim C Boudin, Ph.D., Professor of Economics
B.S., Caltech, 1974; Ph.D., University of Minnesota, 1979. Assistant Professor, Caltech, 1979-83; Associate Professor, 1983-95; Professor, 1995-. Executive Officer for the Social Sciences, 1995-99.

Simona Bordoni, Ph.D., Professor of 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-.

Peter J. Bossaerts, Visiting Associate in Finance
Doctorandus, Universitaire Faculteiten Sint-Ignatius (Belgium), 1982; Ph.D., University of California (Los Angeles), 1986. Assistant Professor of Finance, Caltech, 1990-94; Associate Professor, 1994-98; Professor, 1998-2013; Hacker Professor, 2003-2013. Executive Officer for the Social Sciences, 2002-05; Chair, Division of the Humanities and Social Sciences, 2006-07. Visiting Associate in Finance, 2013-18.

Charles M (Matt) Bradford, Visiting Associate in Physics

Samuel C Bradford, Visiting Associate in Aerospace

John F Brady, Ph.D., Chevron Professor of Chemical Engineering and Mechanical Engineering; Executive Officer for Chemical 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--; Professor of Mechanical Engineering, 2005--; Executive Officer for Chemical Engineering, 1993-99; 2013-.

James B (Jim) Breckinridge, Visiting Associate in Aerospace

Louis Breger, Ph.D., Professor of Psychoanalytic Studies, Emeritus
B.A., University of California (Los Angeles), 1957; M.A., Ohio State University, 1959; Ph.D., 1961. Visiting Associate Professor of Psychology, Caltech, 1970-71; Associate Professor, 1971-80; Associate Professor of Psychology and the Humanities, 1980-83; Professor of Psychoanalytic Studies, 1983-94; Professor Emeritus, 1994-.

Lindsay R Bremner, Lecturer in Biology and Biological Engineering

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

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, 2002-03; Broad Professor, 2003-16; Broad Professor Emeritus, 2017-.

Carrie Bridge, Visiting Associate in Astronomy
B.S., University of Toronto, 2002; Ph.D., University of Toronto, 2007. Caltech 2015-17.

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

Lars Brink, Visiting Associate in Theoretical Physics

Alaina A Brinley, Visiting Associate in Electrical Engineering
B.A., Kalamazoo College, 2007; Ph. D., University of Texas Southwestern Medical Center, 2012; MD., 2016; Visiting Associate in Electrical Engineering, Caltech, 2016-17.

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,
Marianne Bronner Hansen, Ph.D., Albert Billings Ruddock Professor of Biology

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 in Civil Engineering, 1953-54; Assistant Professor, 1954-58; Associate Professor, 1958-62; Professor, 1962-70; Professor of Environmental Science and Civil Engineering, 1970-76; Irvine Professor of Environmental Engineering Science, 1976-77; Irvine Professor of Environmental Engineering and Civil Engineering 1977-95; Irvine Professor Emeritus, 1995-; Academic Officer for Environmental Engineering Science, 1972-74; Director, Environmental Quality Laboratory, 1974-93; Executive Officer for Environmental Engineering Science, 1985-93.

Brian Brophy, Lecturer in Theater-Performing and Creative Arts

Garry L Brown, Visiting Professor of Aeronautics

Michael E (Mike) Brown, Ph.D., Richard and Barbara Rosenzweig Professor of Planetary Astronomy
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; Rosenzweig Professor, 2008-.

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

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

Claire Bucholz, Ph.D., Assistant Professor of Geology

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. Associate Professor, Caltech, 1988-94; Associate Professor, 1994-2000; Professor of Mechanical Engineering, 2000-02; Professor of Mechanical Engineering and Bioengineering, 2002-12; Executive Officer for Bioengineering, 2006-07; Hayman Professor, 2012-; Jet Propulsion Laboratory Research Scientist, 2014-.

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

Kerri L Cahoy, Visiting Associate in Aerospace
B.S., Cornell University, 2000; M.S., Stanford University, 2002; Ph.D., 2008. Caltech, 2015-16.

Long Cai, Ph.D., Research Professor of Biology and Biological Engineering
B.A., Harvard University, 2001; Ph.D., 2006. Assistant Professor, Caltech, 2010-17; Research Professor, 2017-.
Jörn Callies, Ph.D., Assistant Professor of Environmental Science and Engineering
Caltech, 2017-.

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

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

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

David C Chan, Ph.D., Professor of Biology
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-; HHMI Investigator, 2008-14.

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

Kit Yu Karen (Karen) Chan, Visiting Associate in Biology and Biomedical Engineering

Sunny I Chan, Ph.D., George Grant Hoag Professor of Biophysical Chemistry, Emeritus
B.S., University of California, 1957; Ph.D., 1961. Assistant Professor of Chemical Physics, Caltech, 1963-64; Associate Professor, 1964-68; Professor, 1968-76; Professor of Chemical Physics and Biophysical Chemistry, 1976-92; Hoag Professor, 1992-2001; Hoag Professor Emeritus, 2002-. Acting Executive Officer for Chemistry, 1977-78; Executive Officer, 1978-80; 1989-94; Master of 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-.

Kanianthra 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, 1989-87; Ramo Professor, 1997-2014; Ramo Professor, Emeritus, 2014-. Executive Officer for Computer Science, 1997-2000; Deputy Chair, 2009-12.

Goutam Chattopadhyay, Visiting Associate in Physics
Ph.D., Caltech, 1999. Senior Member of the
Engineering Staff, Jet Propulsion Laboratory, 2005-. Visiting Associate, Caltech, 2006-17.

Christine H Chen, Visiting Associate in Astronomy

Junfeng Chen, Visiting Associate in High Energy Physics
B.S., Zhengzhou University, 2003; M.S., Graduate School of Chinese Academy of Sciences, 2006; Ph.D., University of Chinese Academy of Sciences, 2015. Caltech, 2016.

Lijun Chen, 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.

Xian (Sherry) Chen, Visiting Associate in Mechanical and Civil Engineering
B.S., Huazhong University of Science and Technology, 2005; M.S., University of Minnesota, 2013; Ph.D., 2013. Caltech, 2015-16.

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

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-.

Wan Cheng, Visiting Associate in Aerospace
B.S., University of Science and Technology of China, 2006; Ph.D., 2011. Caltech, 2016-17.

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

Jianye Ching, Visiting Associate in Computing and Mathematical Sciences
B.S., National Taiwan University, 1993; M.S., 1995, Ph.D., University of California, Berkeley, 2002. Caltech, 2016-17.

Anne Chomyn, Senior Research Associate in Biology, Emeritus

Hyuck Choo, Ph.D., Assistant Professor of Electrical Engineering; Investigator
Heritage Medical Research Institute, B.S., Cornell University, 1996; M.S., 1998; Ph.D., University of California, Berkeley, 2007. Caltech, 2011-; HMRI Investigator, 2015-.

Hsiang-Chen Chui, Visiting Associate in Medical Engineering

Soon Jo Chung, Ph.D., Associate Professor of Aerospace and Bren Scholar, Jet Propulsion Laboratory 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-; Bren Scholar, 2016-; Jet Propulsion Laboratory Research Scientist, 2016-.

Ara Chutjian, Visiting Associate in Chemistry

Robert W Clayton, Ph.D., Professor of Geophysics; Divisional Academic Officer for Geological and Planetary Sciences
B.A.Sc., University of Toronto, 1973; M.Sc., University of British Columbia, 1976; Ph.D., Stanford University, 1981. Assistant Professor of Exploration Geophysics, Caltech, 1981-85; Associate Professor, 1985-89; Professor of Geophysics, 1989-. Executive Officer for Geophysics, 1987-94, Acting Director, Seismological Laboratory, 1989; 2008-09; Deputy Director, 1989-90; Academic Officer, 2008-.

Elizabeth S Cochran, Visiting Associate in Geophysics

Donald S (Don) Cohen, Ph.D., Charles Lee Powell Professor of Applied Mathematics, Emeritus
Sc.B., Brown University, 1956; M.S., Cornell University, 1959; Ph.D., New York University (Courant Institute), 1962. Assistant Professor of Mathematics, Caltech, 1965-67; Associate Professor of Applied Mathematics, 1967-71; Professor, 1971-98; Powell Professor, 1998-2003; Powell Professor Emeritus, 2003-. Executive Officer for Applied Mathematics,
1988-93; Chairman, Division of Engineering and Applied Science, 1990.

**Judith G Cohen, Ph.D., Kate Van Nays Page Professor of Astronomy**

**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 of Radio Astronomy, 1968-90; Professor of Astronomy, 1990-95; Professor Emeritus, 1995-. Executive Officer for Astronomy, 1981-85.

**Max L Coleman, Visiting Associate in Geochemistry**

**Andres Collazo, 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-.

**Michael J Collins, Visiting Associate in Mathematics**

**Tim Colonius, Ph.D., Frank and Ora Lee Marble Professor of Mechanical 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-.

**Agustin J (AJ) Colussi, Visiting Associate in Environmental Science and Engineering**

**Robert D (Dale) Conner, Visiting Associate in Applied Physics and Materials Science**
B.S., California State Polytechnic University, 1989; M.S., Caltech, 1994; Ph.D., 1998. Assistant Professor, California State University (Northridge), 2006-. Visiting Associate, Caltech, 2001-02; Lecturer, 2002-04; Senior Research Fellow, 2003-06; Visiting Associate, 2006-17.

**Asantha Cooray, 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, 2005-17.

**Bradford Cornell, Visiting Professor of Finance**
A.B., Stanford University, 1970; M.S., 1974; Ph.D., 1975. Professor, Anderson School of Management, University of California (Los Angeles); Director, Bank of America Research Center, University of California (Los Angeles), 1987-. Visiting Associate Professor, Caltech, 1984; Visiting Professor, 2006-07; 2008; 2009; 2010; 2011; 2012; 2013; 2014; 2015; 2016; 2018.

**Noel Corngold, Ph.D., Professor of Applied Physics, Emeritus**

**Fiona Cowie, Ph.D., Professor of Philosophy**
B.A., University of Sydney, 1987; M.A., Princeton University, 1991; Ph.D., 1993. Instructor, Caltech, 1992-93; Assistant Professor, 1993-98; Associate Professor, 1998-2010; Professor, 2010-.

**Rory Cox, Visiting Associate in the Humanities**

**Brendan P Crill, Visiting Associate in Physics**

**Bruno Crosignani, Visiting Associate in Applied Physics and Materials Science**

**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-.
Marie E. Csete, Visiting Associate in Medical Engineering

Fred E. Culick, Ph.D., Richard L. and Dorothy 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 in Jet Propulsion, Caltech, 1961-63; Assistant Professor, 1963-66; Associate Professor, 1966-71; Professor, 1971-78; Professor of Applied Physics and Jet Propulsion, 1978-88; Professor of Mechanical Engineering and Jet Propulsion, 1988-1997; Hayman Professor, 1997-2004; Professor of Jet Propulsion, 1997-2004; Hayman Professor and Professor, Emeritus, 2004-.

Alexandre Cunha, Lecturer in Biology and Biological Engineering

Curt J. Cutler, Senior Faculty Associate in Physics
B.S., Yale University, 1983; Ph.D., 1989. Visiting Associate, Caltech, 1999-2006; Senior Faculty Associate, 2006-.

Jaksa Cvitanic, Ph.D., Richard N. Merkin Professor of Mathematical Finance; Director, Ronald and Maxine Linde Institute of Economic and Management Sciences
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-.

Karin Dahmen, Visiting Associate in Applied Physics and Materials Science

Christine Daley, Lecturer in Writing

Nathan F. Dalleska, Lecturer in Chemistry

Chiara Daraio, Ph.D., Professor of Mechanical Engineering and Applied Physics
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-.

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

Peter K. Day, Visiting Associate in Physics
B.S., University of California, 1988; Ph.D., Caltech, 1993. Senior Engineer, Jet Propulsion Laboratory, 2003-. Lecturer, Caltech, 1993; Research Fellow, 1993-94; Visiting Associate, 2005-17.

Eric de Bodt, Visiting Associate in Finance

Richard A. Dean, Ph.D., Professor of Mathematics; Emeritus
B.S., Caltech, 1945; A.B., Denison University, 1947; M.S., Ohio State University, 1948; Ph.D., 1953. Harry Bateman Research Fellow, Caltech, 1954-55; Associate Professor, 1955-59; Associate Professor, 1959-66; Professor, 1966-86; Professor Emeritus, 1987-.

Stephane Delalande, Visiting Associate in Applied Physics and Materials Science

Marios D. Demetriou, Visiting Associate in Applied Physics and Materials Science
B.S., University of Arizona, 1995; M.S., University of California (Los Angeles), 1997; Ph.D., 2001. Caltech, Research Professor 2007-2016; Visiting Associate 2017-.

Semra Demirel-Frank, Visiting Associate in Mathematics

Tracy K. Dennison, Ph.D., Professor of Social Science History
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-.

Peter B. Dervan, Ph.D., D.Sc.h.c., Bren Professor of Chemistry
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-. Chair, Division of Chemistry and Chemical Engineering, 1994-99; Vice President for Development and Institute Relations, 2011-12.
Mathieu Desbrun, Ph.D., Carl F Braun Professor of Computing and Mathematical Sciences
M.Eng., National Engineering School of Computer Science and Applied Mathematics (Grenoble), 1994; M.S., University of Grenoble, 1994; Ph.D., National Polytechnic Institute of Grenoble, 1997. Visiting Associate, Caltech, 2000-04; Associate Professor, 2004-09; Professor, 2009-13; Miles Professor, 2013-16; Braun Professor, 2017-; Director of Information Science and Technology, 2009-12; Director of Computing and Mathematical Sciences, 2009-14; Executive Officer for Computing and Mathematical Sciences, 2014-15.

Stanley Deser, Visiting Associate in Theoretical Physics
M.A., Harvard University, 1950; Ph.D., 1953. Ancell Professor, Brandeis University, 1980-.

Raymond J (Ray) Deshaies, Visiting Associate in Biology and Biological Engineering
B.S., Cornell University, 1983; Ph.D., University of California, 1988. Assistant Professor, Caltech, 1994-99; Associate Professor, 2000-05; Professor, 2005-17; HHMI Investigator, 2000-17; Executive Officer, 2006-16; Visiting Associate 2017-.

Robert A Desharnais, Visiting Associate in Computing and Mathematical Sciences

Tiziana Di Luccio, Visiting Associate in Chemical Engineering

Michael H Dickinson, Ph.D., Esther M. and Abe M. Zarem Professor of Bioengineering and Aeronautics
Sc.B., Brown University, 1984; Ph.D., University of Washington, 1989. Visiting Associate, Caltech, 2001-02; Professor, 2002-03; Zarem Professor, 2003-.

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.

Steven Diver, Visiting Associate in Chemistry

Stanislav G Djorgovski, Ph.D., Professor of Astronomy; Director, Center for Data Driven Discovery; Executive Officer for Astronomy
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-; Executive Officer for Astronomy, 2016-.

Olivier P Dore, Visiting Associate in Theoretical Astrophysics

Dennis A Dougherty, Ph.D., George Grant Hoag Professor of Chemistry
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 for Chemistry, 1994-99.

Maria L (Laura) Doval, Ph.D., Assistant Professor of Economics
B.A., Universidad Torcuato Di Tella, Buenos Aires, 2009; M.A., 2010; M.A., Northwestern University, 2012; Ph.D., 2016. Research Assistant Professor, Caltech, 2016-17; Assistant Professor, 2017-.

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 of Electrical Engineering, Caltech, 1985; Visiting Associate Professor, 1986; Visiting Associate in Chemistry, 1986-87; Associate Professor of Electrical Engineering, 1987-91; Professor, 1991-2001; Professor of Control and Dynamical Systems, Electrical Engineering, and Bioengineering, 2002-04; Braun Professor, 2004-08; 2009-13; Jean-Lou Chameau Professor, 2013-.

Alexandre Dube, Visiting Associate in the Humanities

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-.

Maura D Dykstra, Ph.D., Assistant Professor of History
B.A., California State University, Sacramento, 2004; M.A., University of California, Los Angeles, 2008; Ph.D., 2014. Research Assistant Professor, Caltech, 2015-16; Assistant Professor, 2016-.
Frederick D Eberhardt, Ph.D., Professor of Philosophy

Bertrand Echenard, Research Professor of High Energy Physics
Ph.D., Geneva University, 2005. Caltech, 2009-.

Federico M Echenique, Ph.D., Allen and Lenabelle Davis Professor of Economics
Licenciado, University of the Republic (Uruguay), 2000. Instructor, Caltech, 2002-03; Assistant Professor, 2004-10; Professor, 2010-16; Davis Professor, 2016-; Executive Officer, 2013-16.

Michelle Effros, Ph.D., George Van Osdol Professor of Electrical Engineering
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-.

Bethany L Ehlmann, Ph.D., Professor of Planetary Science; Jet Propulsion Laboratory Research Scientist

Tim F Eifler, Visiting Associate in Physics

Gerald Eigen, Visiting Associate in Physics
Dipl., University of Freiburg (Germany), 1980; Ph.D., University of Munich, 1985. Professor, University of Bergen (Norway), 1995-; Research Fellow, Caltech, 1984-87; Senior Research Fellow, 1987-94; Lecturer, 1991; 1993; Visiting Associate, 1994-2017.

John M Elliot, 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-; Sharp Professor, 2008-.

James P (Jim) Eisenstein, Ph.D., Frank J. Roshek Professor of Physics and Applied Physics
A.B., Oberlin College, 1974; Ph.D., University of California, 1980. Professor of Physics, Caltech, 1996-2004; Roshek Professor, 2004-05; Roshek Professor of Physics and Applied Physics, 2005-.

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 in Electrical Engineering, 1982-88; Lecturer in Electrical Engineering and Planetary Science, 1988-2001; Professor, 2002-16. Vice President and Director, 2001-16; Professor Emeritus, 2016-.

Matthew P Elgart, Lecturer in Guitar

H E Ellersieck, Ph.D., Associate Professor of History, Emeritus
A.B., University of California (Los Angeles), 1942; M.A., 1948; Ph.D., 1953. Instructor, Caltech, 1950-55; Assistant Professor, 1955-60; Associate Professor, 1960-88; Associate Professor Emeritus, 1988-.

Richard S Ellis, Visiting Associate in Astronomy

Mohamed Y El-Naggar, Visiting Associate in Geobiology

Michael B Elowitz, Ph.D., Professor of Biology and Bioengineering; Investigator, Howard Hughes Medical Institute; Executive Officer for Biological Engineering
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-.

Azita Emami, Ph.D., Andrew and Peggy Chern Professor of Electrical Engineering and Medical Engineering; Investigator, Heritage Medical Research Institute; EAS Division Deputy Chair
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-; EAS Division Deputy Chair, 2015-.
Manuel A Endres, Ph.D., Assistant 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-.

Hermann Engelhardt, Senior Research Associate in Geophysics, Emeritus
Dipl., Technical University of Munich, 1960; Dr. rer. nat., 1974. Senior Research Fellow, Caltech, 1976-79; Visiting Associate, 1981; Senior Research Associate, 1988-2002; Senior Research Associate Emeritus, 2002-.

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 of Anthropology, Caltech, 2000-07; Wasserman Professor of Anthropology, 2007-09; Wasserman Professor, 2009-;. Chair, Division of the Humanities and Social Sciences, 2002-06.

Oliver W Eslinger, Head Coach of Men’s Basketball
B.A., Clark University, 1997; Ed.M., Boston University, 1999; Ed.D., 2002. Caltech, 2008-.

Thomas E (Tom) Everhart, Ph.D., D.I.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.I.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, 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, 2008-17.

Michael J Ewens, Ph.D., Associate Professor of Finance and Entrepreneurship

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-.

Andrei Faraon, Ph.D., Assistant Professor of Applied Physics and Materials Science
B.S., California Institute of Technology, 2004; M.S., Stanford University, 2009; Ph.D., 2009. Visiting Associate, Caltech, 2011-12; Assistant Professor, 2012-.

Kenneth A 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.

Farzad Fathizadeh, Olga Taussky and John Todd Instructor in Mathematics

Daniel R Faulkner, Visiting Associate in Environmental Science and Engineering

Mordechai Feingold, Ph.D., Professor of History

Katalin (Kata) Fejes Toth, Research Assistant Professor of Biology and Biological Engineering

M. Houman Fekrazad, Visiting Associate in Medical Engineering

Antony R (Tony) Fender, Lecturer in Engineering

Yejun Feng, Visiting Associate in Physics

David Jesus Fermin Jimenez, Visiting Associate in Chemistry

Lukasz W Figiel, Visiting Associate in Chemical Engineering
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-.

Johannes M Fink, Visiting Associate in Applied Physics and Materials Science

Paolo Fiorini, Visiting Associate in Mechanical and Civil Engineering

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-.

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 for Mathematics, 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 of Environmental Engineering Science, Caltech, 1975-81; Associate Professor, 1981-84; Associate Professor of Environmental Engineering and Mechanical Engineering, 1984-85; Professor, 1986-90; Professor of Chemical Engineering, 1990-2000; McCollum Professor of Chemical Engineering, 2000-03; McCollum Professor of Chemical Engineering and Professor of Environmental Science and Engineering, 2003-04; McCollum-Corcoran Professor of Chemical Engineering and Environmental Science and Engineering, 2004- Acting Executive Officer for Chemical Engineering, 1996; Executive Officer, 1997; 2004-13.

Helen B Foley, Lecturer in Biology
B.S., California Institute of Technology, 2009; Ph.D., University of Southern California, 2016. Caltech 2010-16.

Yuman Fong, Visiting Associate in Medical Engineering

Stephen J Forman, Visiting Associate in Chemical Engineering

Alessandro (Al) Fortunelli, Visiting Associate in Chemistry

Kevin R Foster, Visiting Professor of Biology and Biological Engineering

Abigail Fraeman, Visiting Associate in Planetary Science

Elisa Franco, Visiting Associate in Computing and Mathematical Sciences
M.S., University of Trieste, Italy, 2002; Ph.D., 2007; Ph.D., California Institute of Technology, 2011. Caltech 2011-16.

Rupert L Frank, Ph.D., Professor of Mathematics

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

J N Franklin, Ph.D., Professor of Applied Mathematics, Emeritus
B.S., Stanford University, 1950; Ph.D., 1953. Associate Professor of Applied Mechanics, Caltech, 1957-65; Professor of Applied Science, 1965-69; Professor of Applied Mathematics, 1969-2000; Professor Emeritus, 2000--.

Gareth J Fraser, Visiting Associate in Biology and Biological Engineering

Scott E Fraser, Visiting Associate in Biology and Biological Engineering
B.S., Harvey Mudd College, 1976; Ph.D., Johns Hopkins University, 1979. Professor of Biology, Caltech, 1991; Rosen Professor, 1991-2012; Visiting Associate, 2012-. Director, Magnetic Resonance Imaging Center, 2002-08; Director, Rosen Bioengineering Center, 2008-12.
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 for Physics, 1988-97; Master of Student Houses, 1997-2002.

Guillaume R Frechette, Visiting Associate in Economics
B.A., McGill University, 1996; M.A., Queens University, 1997; Ph.D., Ohio State University (Columbus), 2002; Visiting Associate in Economics, Caltech, 2017.

Stuart Freed, Lecturer in Art – Ceramics

Anthony Freeman, Lecturer in Aerospace
B.S., University of Manchester, United Kingdom, 1979; Ph.D., 1982. Caltech, 2013-17.

Amanda Y Friedenberg, Visiting Associate in Economics

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-.

James (Jim) Fuller, Ph.D., Assistant Professor of Theoretical Astrophysics
B.A., Whitman College, 2008; M.S., Cornell University, 2011; Ph.D., 2013. Visiting Associate, Caltech, 2017; Assistant Professor, 2017-.

Brent Fultz, Ph.D., Barbara and Stanley R. Ravon, 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 of Materials Science, 1997-2002; Professor of Materials Science and Applied Physics, 2003-13; Rawn Professor, 2013-.

Deborah K Fygenson, Visiting Associate in Electrical Engineering

Todd C Gaier, Faculty Associate in Physics

Chad Galley, Visiting Associate in Physics

Mandy Gamble, Head Coach of Men’s and Women’s Tennis

Wei Gao, Ph.D., Assistant Professor of Medical Engineering
B.S., Huazhong University of Science and Technology, 2007; M.S., Tsinghua University, China, 2009; Ph.D., University of California, San Diego, 2014. Caltech, 2017-.

Sophya Garaschuk, Visiting Associate in Chemistry

Daniel A Garcia, Lecturer in Spanish

Jorge (Jordi) Garcia-Ojalvo, Visiting Associate in Biology

Carol M Garland, Lecturer in Applied Physics and Materials Science

Stefano Gattei, Eleanor Searle Visiting Instructor in History

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-.

Emmanuel Gdoutos, Clark B. Millikan Visiting Professor of Aerospace

John B Geasland, Lecturer in English as a Second Language

Murray Gell-Mann, Ph.D., Sc.D.h.c., D.Sc.h.c., Robert Andrews Millikan Professor of Theoretical Physics, Emeritus
B.S., Yale University, 1948; Ph.D., Massachusetts Institute of Technology, 1950; Sc.D.h.c., Columbia University; University of
Cambridge; University of Chicago; University of Illinois; University of Utah; Wesleyan University; Yale University; D.Sc.h.c., University of Turin (Italy). Associate Professor, Caltech, 1955-56; Professor, 1956-67; Millikan Professor, 1967-93; Millikan Professor Emeritus, 1993-.

Glen A George, Lecturer in Electrical Engineering

Merrill J Gerber, Lecturer in Creative Writing

Morteza Gharib, Ph.D., Hans W. Liepmann Professor of Aeronautics and Bioinspired Engineering; 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 of Aeronautics, 1992-2001; Professor of Aeronautics and Bioengineering, 2001-06; Liepmann Professor of Aeronautics and Bioengineering, 2002-06; Professor of Bioengineering, 2006-09; Professor of Bioinspired Engineering, 2009-13; Liepmann Professor, 2006-15; Director, Linde Institute, 2014-15; Vice Provost, 2010-16; Director, Graduate Aerospace Laboratories, 2015-; Director, Center for Autonomous Systems and Technologies, 2017-.

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. Caltech, 2017-.

Benjamin J (Ben) Gillen, Ph.D., Assistant Professor of Economics
B.A., Yale University, 1999; Ph.D., University of California, San Diego, 2010; Caltech, 2010-.

Kevin M Gilmartin, Ph.D., Professor of English; Dean of Undergraduate Students
B.A., Oberlin College, 1985; M.A., University of Chicago, 1986; Ph.D., 1991. Assistant Professor, Caltech, 1991-97; Associate Professor of Literature, 1997-2004; Associate Professor of English, 2004-07; Professor, 2007-; Dean of Undergraduate Students, 2016-.

Dehn Gilmore, Ph.D., Professor of English
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-.

Cora H Gilroy-Ware, Visiting Associate in the Humanities

William A 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 in Chemistry, 1964-66; Noyes Research Instructor, 1966-67; Assistant Professor of Theoretical Chemistry, 1967-71; Associate Professor, 1971-74; Professor, 1974-78; Professor of Chemistry and Applied Physics, 1978-84; Ferkel Professor of Chemistry, 1984-2001; Ferkel Professor of Chemistry, Materials Science, and Applied Physics, 2001-.

Lea A Goentoro, Ph.D., Assistant Professor of Biology
B.S., University of Wisconsin-Madison, 2001; Ph.D., Princeton University, 2006. Caltech, 2011-.

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

Matthew Golombek, Visiting Associate in Planetary Science
Sunil Golwala, Ph.D., Professor of Physics; Director, Caltech Submillimeter Observatory
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-.

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

Judith R Goodstein, University Archivist, Emeritus

Roy W Gould, Ph.D., Simon Ramo Professor of Engineering, Emeritus
B.S., Caltech, 1949; M.S., Stanford University, 1950; Ph.D., Caltech, 1956. Assistant Professor of Electrical Engineering, 1955-58; Associate Professor, 1958-60; Associate Professor of Electrical Engineering and Physics, 1960-62; Professor, 1962-74; Professor of Applied Physics, 1974-80; Ramo Professor of Engineering, 1980-96; Ramo Professor Emeritus, 1996-. Executive Officer for Applied Physics, 1973-79; Chairman, Division of Engineering and Applied Science, 1979-85.

Thomas B Graber, Ph.D., Professor of Mathematics
A.B., Harvard, 1994; M.A. University of California (Los Angeles), 1995; Ph.D., 1998. Associate Professor, Caltech, 2005-08; Professor, 2008-.

Viviana Gradinaru, Ph.D., Assistant Professor of Biology and Biological Engineering; Investigator, Heritage Medical Research Institute; Director, Center for Molecular and Cellular Neuroscience
B.S., California Institute of Technology, 2005; Ph.D., Stanford University, 2010. Visiting Associate, Caltech, 2012; Assistant Professor, 2012-; HMRI Investigator, 2015-; Director, 2017-.

Robert W Graves, Visiting Associate in Geophysics

Harry B Gray, Ph.D., D.Sc.h.c., D.L.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; Göteborg University; University of Pennsylvania; Bowling Green State University; University of Arizona; Laurea h.c., University of Florence; D.L.h.c., Illinois Wesleyan University. Visiting Professor of Inorganic Chemistry, Caltech, 1965; Professor of Chemistry, 1966-81; William R. Kenan Professor, 1976-81; Beckman Professor, 1981-. Chairman, Division of Chemistry and Chemical Engineering, 1978-84; Director, Beckman Institute, 1986-2001; Founding Director, 2001-.

Julia R Greer, Ph.D., Professor of Materials Science and Mechanics
B.S., Massachusetts Institute of Technology, 1997; M.S., Stanford University, 2000; Ph.D., Stanford University, 2005. Assistant Professor, Caltech, 2007-13; Professor, 2013-.

David M Grether, Ph.D., Frank J. Gilloon Professor of Economics, Emeritus
B.S., University of California, 1960; Ph.D., Stanford University, 1969. Associate Professor, Caltech, 1970-75; Professor, 1975-2009; Gilloon Professor, 2009-10; Gilloon Professor Emeritus, 2010-. Executive Officer for Social Sciences, 1978-82; Chairman, Division of the Humanities and Social Sciences, 1982-92; Interim Chair, Division of the Humanities and Social Sciences, 2006-07.

Allen R Gross, Lecturer in Symphony Orchestra

Ivo Grosse, Visiting Professor in Biology and Biological Engineering
M.S., Humboldt University, 1995; Ph.D., Boston University, 1999. Caltech, 2016-17.

Jens Grosse, Visiting Associate in Political Science
B.S., University of Marburg, 1992; M.S., University of Bonn, 1997; Ph.D., University of Amsterdam, 2006. Caltech, 2015-16.

Hartmut Grote, Visiting Associate in Physics
John P Grotzinger, Ph.D., Fletcher Jones 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-; Division Chair, 2014-16; Jenkins Leadership Chair, 2016-.

Robert H (Bob) Grubbs, Ph.D., Victor and Elizabeth Atkins Professor of Chemistry
B.S., University of Florida, 1963; M.S., 1965; Ph.D., Columbia University, 1968. Professor, Caltech, 1978-90; Atkins Professor, Caltech, 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., 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-.

Michael C Gurnis, Ph.D., John E. and Hazel S. Smiths Professor of Geophysics Director, Seismological Laboratory
B.S., University of Arizona, 1982; Ph.D., Australian National University, 1987. Associate Professor, Caltech, 1994-96; Professor, 1996-2005, Smiths Professor, 2005-; Associate Director, Seismological Laboratory, 1995-2003; Director, 2009-.

Mitchell Gutman, Ph.D., Assistant Professor of Biology Investigator, Heritage Medical Research Institute
B.S., University of Pennsylvania, 2006; M.S., 2006; Ph.D., Massachusetts Institute of Technology, 2012. Visiting Associate, Caltech, 2012-13; Assistant Professor, 2013-; HMRI Investigator, 2015-.

Eran Hadas, Lecturer in Computing and Mathematical Sciences and Humanities and Social Sciences
B.S., Tel Aviv University, 1997; M.S., Bar-Ilan University, 2002. Caltech, 2017-.

Cindy Hagan, Research Assistant Professor of Neuroscience

Sossina M Haile, Ph.D., Visiting Associate in Applied Physics and Materials Science
B.S., Massachusetts Institute of Technology, 1986; M.S., University of California, 1988; Ph.D., Massachusetts Institute of Technology, 1992. Assistant Professor, Caltech, 1996-2001; Associate Professor, 2001-06; Professor, 2006-11; Braun Professor, 2012-2016; Visiting Associate, 2017-18.

S A (Ali) Hajimiri, Ph.D., Bren Professor of Electrical Engineering and Medical Engineering; Executive Officer for Electrical 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-; Director, Information Science and Technology, 2015-16; Co-Director, 2016-.

John F Hall, Ph.D., Professor of Civil Engineering
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-; Executive Officer for Civil Engineering and Applied Mechanics, 1998-2005. Dean, 2005-10; Acting Vice President, 2006-07.

Susanne E Hall, Campus Writing Coordinator in the Hixon Writing Center and Lecturer in Writing (long-term)

Ingileif B Hallgrimsdottir, Visiting Associate in Statistical Genetics
B.Sc., University of Iceland, 1998; M.Sc, Gothenburg University, 1999; Ph.D., University of California, Berkeley, 2005. Caltech, 2017-.

Gregg W Hallinan, Ph.D., Assistant Professor of Astronomy
B.Sc., National University of Ireland, 2002; Ph.D., 2008. Caltech, 2012-.

Eulalia Halloran, Visiting Associate in Astronomy

Seog-Tae Han, Visiting Associate in Electrical Engineering
B.S., Hanyang University, 1979; M.S., Kwangwoon, 1986; Ph.D., Chung Nam University, 1996. Caltech, 2015-16.

Seunghoon Han, Visiting Associate in Applied Physics and Materials Science
Mehmet S (Selim) Hanay, **Visiting Associate in Physics**  
B.S., Sabanci University, 2003; Ph.D.,  
California Institute of Technology, 2011.  
Caltech, 2014; 2015-17.

John M Harris, **Visiting Associate in Geology**  
B.S., University of Leicester (United Kingdom), 1964; M.A., University of Texas (Austin), 1967; Ph.D., University of Bristol, 1970. Chief Curator, George C. Page Museum, 1993-. Caltech, 2001-17.

Fiona A Harrison, Ph.D., D.techn.h.c.,  
**Benjamin M. 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. Robert Millikan Research Fellow, Caltech, 1993-95; Assistant Professor of Physics, 1995-99; Assistant Professor of Physics and Astronomy, 1999-2001; Associate Professor 2001-2005; Professor, 2005-13; Rosen Professor, 2013-; Kresa Leadership Chair, 2015-.

Babak Hassibi, Ph.D.,  
**Mose and Lillian S. Bohn Professor of Electrical Engineering**  
B.S., University of Tehran, 1989; M.S.,  
Stanford University, 1993; Ph.D., 1996.  
Assistant Professor, Caltech, 2001-03;  
Associate Professor, 2003-2008; Professor,  
2008-2013; Binder/Amen Professor, 2013-16;  
Executive Officer, 2008-15; Associate Director,  
2010-2012; Bohn Professor, 2016-.

Krystine L Haugen, Ph.D.,  
**Professor of English**  
B.A., University of Chicago, 1996; M.A.,  
Assistant Professor, Caltech, 2005-11;  
Professor, 2011-.

Egil Hauksson, **Research Professor of Geophysics**  

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-.

Yan He, **Visiting Associate in Computing and Mathematical Sciences**  
B.S., Xidian University, 2004; Ph.D., 2012.  
Caltech, 2017-18.

James R Heath, Ph.D.,  
**Elizabeth W. Gilson Professor and Professor of Chemistry**  
B.Sc., Baylor University, 1984; M.A., Rice University, 1988; Ph.D., 1988. Caltech, 2003-.

Thomas H Heaton, Ph.D.,  
**Professor of Engineering Seismology**  
B.S., Indiana University, 1972; Ph.D.,  
Caltech, 1978. Visiting Associate in Geophysics, 1980-91; Faculty Associate, 1991-95; Lecturer in Geophysics, 1993-94; Lecturer in Engineering Seismology, 1995; Professor, 1995-.

John L Heilbron, **Visiting Associate in History**  

Marco Heinen, **Visiting Associate in Chemical Engineering**  

Donald V Helmberger, Ph.D.,  
**Smits Family Professor of Geophysics, Emeritus**  
B.S., University of Minnesota, 1961; M.S.,  
University of California (San Diego), 1965; Ph.D., 1967. Assistant Professor, Caltech, 1970-74; Associate Professor, 1974-79; Professor, 1979-2000, 2011-17; Smits Family Professor, 2000-11; Smits Family Professor, Emeritus, 2017-. Director, Seismological Laboratory, 1998-2003.

George Helou, **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-.

Takuya Higo, **Visiting Associate in Chemistry**  

Sergi R Hildebrandt, **Visiting Associate in Astronomy**  

Michael G Hill, **Visiting Associate in Chemistry**  
B.A., Macalester College, 1987; Ph.D.,  

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.

Steve Hindle, **Visiting Professor of History**  
B.A., University of Cambridge, 1986; M.A.,

Christopher M Hirata, Visiting Associate in Astrophysics

Kayoko Hirata, Lecturer in Japanese

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. (Philosophy); M.A. (Mathematics), University of Pittsburgh, 1990; Ph.D., 1993. Associate Professor, Caltech, 1998-2002; Professor, 2002-14; Koepfli Professor, 2014-.

David G Hiltlin, Ph.D., Professor of Physics
B.A., Columbia University, 1963; M.A., 1965; Ph.D., 1968. Associate Professor, Caltech, 1979-85; Professor, 1986-.

Benjamin F Hobbs, Visiting Associate in Computing and Mathematical Sciences

Andre Hoelz, Ph.D., Professor of Chemistry; Investigator, Heritage Medical Research Institute B.Sc., Albert-Ludwigs University of Freiburg, 1993; M.Sc., 1997; Ph.D., Rockefeller University, 2004. Assistant Professor, Caltech, 2010-16; HMRI Investigator, 2015-; Professor 2016-.

Philip T Hoffman, Ph.D., Rea A. and Lela G. Axline Professor of Business Economics and History
A.B., Harvard College, 1969; M.A., University of California, 1971; Ph.D., Yale University, 1979. Lecturer in History, Caltech, 1980-81; Instructor, 1981-82; Assistant Professor, 1982-84; Associate Professor of History and Social Science, 1984-95; Professor, 1995-2003; Richard and Barbara Rosenberg Professor of History and Social Science, 2003-08; Axline Professor, 2008-. Executive Officer for the Humanities, 1995-2000.

Michael R Hoffmann, Ph.D., Theodore Y. Wu Professor of Environmental Science

Douglas C Hofmann, Visiting Associate in Applied Physics and Materials Science; Lecturer in Applied Physics and Materials Science

Jocelyn Holland, Ph.D., Professor of Comparative Literature

Charles A Holt, Visiting Associate in Economics

Philip W Hon, Visiting Associate in Applied Physics and Materials Science

Elizabeth J (Betty) Hong, Ph.D., Clare Boothe Luce Assistant Professor of Neuroscience
B.S., California Institute of Technology, 2002; Ph.D., Harvard University, 2009. Visiting Associate, Caltech, 2014-15; Assistant Professor, 2015; Boothe Luce Assistant Professor, 2015-.

Sung Ook Hong, Visiting Associate in History of Science
Eric Hoopfer, Research Assistant Professor of Biology and Biological Engineering

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 Hopkins, Ph.D., 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-.

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

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 of Applied Mathematics, Caltech, 1993-98; Professor, 1998-2000; Professor of Applied and Computational Mathematics, 2000-04; Powell Professor, 2004-. Executive Officer for Applied and Computational Mathematics, 2000-06.

Andrew W Howard, Ph.D., Professor of Astronomy
B.S., Massachusetts Institute of Technology, 1998; M.A., Harvard University, 2001; Ph.D., 2006. Caltech, 2016-.

James B Howard, Visiting Associate in Chemistry
B.A., DePauw University, 1964; Ph.D., University of California (Los Angeles), 1968. Professor, University of Minnesota, 1982-.

Julie A Hoy, Lecturer in Biology and Biological Engineering

Trung K Hsai, Visiting Associate in Medical Engineering
B.S., Columbia University, School of Engineering, 1989; M.D., University of Chicago, 1993; Ph.D., University of California, Los Angeles, 2001. Caltech, 2015-.

Elaine Y Hsiao, Visiting Associate in Biology and Biological Engineering

David Hsieh, Ph.D., Assistant Professor of Physics
B.S., Stanford University, 2003; Ph.D., Princeton University, 2009. Caltech, 2012-.

Linda C Hsieh-Wilson, Ph.D., Arthur and Marian Hanisch Memorial 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-; HHMI Investigator, 2005-14.

Renyu Hu, Visiting Associate in Planetary Science

Alice S Huang, Senior Faculty Associate in Biology
B.A., Johns Hopkins University, 1961; M.S., 1963; Ph.D., 1966. M.A. h.c., Harvard University; D.Sc.h.c., Wheaton College; Mt. Holyoke College; Medical College of Pennsylvania. Faculty Associate, Caltech, 1997-2007; Senior Faculty Associate, 2007-.

Yong Huang, Visiting Associate in Mechanical and Civil Engineering

Kenneth W Hudnut, Visiting Associate in Geophysics

Mark S Humayun, Visiting Associate in Medical Engineering

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, 2001-2011; Kenan Professor, 2012-13;

Christopher A Hunter, Ph.D., Assistant Professor of English

Rene Hurlemann, Visiting Associate in Psychology
M.D., University of Bonn Medical School, 2001; M.Sc., Universities of Maastricht and Florence, 2006; Ph.D., Maastricht University, 2007. Caltech, 2013-17.

Nicholas R (Nick) Hutzler, Ph.D., Assistant Professor of Physics
B.S., Caltech, 2007; A.M., Harvard University, 2009; Ph.D., 2014. Visiting Associate, Caltech, 2017; Assistant Professor, 2017-.

Sonjong Hwang, Lecturer in Chemistry

Andrew P Ingersoll, Ph.D., Professor of Planetary Science

Andrea Isella, Visiting Associate in Astronomy

Rustem F Ismagilov, Ph.D., Ethel Wilson Bovard and Robert Bovard Professor of Chemistry and Chemical Engineering; 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; Bovard Professor, 2013-; Director, Jacobs Institute, 2013-.

Oleg Ivrii, Olga Taussky and John Todd Instructor in Mathematics

Wilfred D (Bill) Iwan, Ph.D., Professor of Applied Mechanics, Emeritus
B.S., Caltech, 1957; M.S., 1958; Ph.D., 1961. Assistant Professor, 1964-67; Associate Professor, 1967-72; Professor, 1972-2004; Professor Emeritus, 2004-. Executive Officer for Civil Engineering and Applied Mechanics, 1980-86.

Jennifer M Jackson, Ph.D., 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 of Geophysics, Caltech, 2007-09; Assistant Professor of Mineral Physics, 2009-12; Professor, 2012-.

Russell E Jacobs, Visiting Associate in Biology and Biological Engineering

Jennifer A Jahner, Ph.D., Assistant Professor of English

Thierry F Jardin, Visiting Associate in Mechanical and Civil Engineering

Paul C Jennings, Ph.D., Professor of Civil Engineering and Applied Mechanics, Emeritus

Grant J Jensen, Ph.D., Professor of Biophysics and Biology, Investigator, Howard Hughes Medical Institute
B.S., Brigham Young University, 1994; Ph.D., Stanford University, 1999. Assistant Professor, Caltech, 2002-2008; Associate Professor, 2008-10; Professor, 2010-; HHMI Investigator, 2008-.

Chenyang (Sunny) Jiang, Visiting Associate in Environmental Science and Engineering

Lawrence J. Jin, Ph.D., Assistant Professor of Finance
B.S., Tsinghua University China, 2005; M.S., California Institute of Technology, 2006; Ph.D., Yale University, 2015. Caltech, 2015-.

Tianling Jin, Visiting Associate in Computing and Mathematical Sciences
B.S., University of Science and Technology of China, 2006; Ph.D., Rutgers University, 2012. Caltech, 2015-16.

Trustees, Administration, Faculty
William L. Johnson, Ph.D., Ruben F. and Donna Mettler Professor of Engineering and Applied Science
B.A., Hamilton College, 1970; Ph.D., Caltech, 1975. Assistant Professor of Materials Science, 1977-80; Associate Professor, 1980-84; Professor, 1984-89; Mettler Professor, 1989-.

Lucile M (Lucy) Jones, Visiting Associate in Geophysics

Catherine Jurca, Ph.D., Professor of English; Executive Officer for the Humanities
B.A., University of California, 1987; M.A., Johns Hopkins University, 1992; Ph.D., 1995. Instructor, Caltech, 1995; Assistant Professor, 1995-2001; Associate Professor of Literature, 2001-04; Associate Professor of English, 2004-10; Professor, 2010-; Master of Student Houses, 2002-09; Executive Officer, 2014-.

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.

Andreas Alfred Kappler, Visiting Professor in Geobiology
M.S., University of Konstanz, Germany, 1997; Ph.D., 2000. Caltech, 2016-17.

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; Earle C. Anthony Professor, 2012-.

Emil P Kartalov, Visiting Associate in Physics
B.S., Caltech, 1998; M.S., 2004; Ph.D., 2004. Assistant Professor, University of Southern California, 2007-. Visiting Associate, Caltech, 2008-17.

Mansi M Kasliwal, Ph.D., Assistant Professor of Astronomy
B.S., Cornell University, 2005; M.S., Caltech, 2007; Ph.D., 2011. Visiting Associate, Caltech, 2014-15; Assistant Professor, 2015-.

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; 2003-03; Professor, 2003-11; Sugahara Professor, 2012-; Executive Officer for the Social Sciences, 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-; IBM Professor, 2016-.

Sarah M Keating, Visiting Associate in Computing and Mathematical Sciences

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 for Mathematics, 1994-97.

Daniel J Keddie, Visiting Associate in Chemistry

Willek K Kegel, Visiting Associate in Applied Physics and Materials Science

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 Koepfl Professor of the Humanities, Emeritus

Alina A Kiessling, Visiting Associate in Theoretical Astrophysics

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 of Students, 1992-96; Dean of Graduate Studies, 2000-02; Dean of Undergraduate Students, 2011-14.

Ki Woo Kim, Visiting Associate in Biology and Biological Engineering
Taehwan Kim, Lecturer in Computing and Mathematical Sciences
B.S., Pohang University of Science and Technology, 2006; M.S., University of Southern California, 2009; Ph.D., Toyota Technological Institute at Chicago, 2015. Caltech, 2017.

H. J Kimble, Ph.D., William L. Valentine Professor of Physics
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-; Valentine Professor, 1997-.

Evan N Kirby, Ph.D., Assistant Professor of Astronomy
B.S., Stanford University, 2004; M.S., University of California, Santa Cruz, 2006; Ph.D., 2009. Caltech, 2014-.

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-.

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-.

Demosthenes Kivotides, Visiting Associate in Aerospace
B.S., Aristotle University of Thessaloniki, 1988; M.S., Stanford University, 1989; Ph.D., University of Aachen, 1995; M.S., University of Cambridge, 1998. Caltech, 2016-17.

Jean Patrice M (Patrice) Klein, Visiting Associate in Environmental Science and Engineering

Leah Klement, Caltech-Huntington Humanities Collaborations Postdoctoral Instructor

Andrew T Klesh, Lecturer in Electrical Engineering

Andrew T Klesh, Lecturer in Electrical Engineering

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 in Aeronautics, 1963-65; Assistant Professor, 1965-69; Associate Professor, 1969-78; Professor, 1978-82; Professor of Aeronautics and Applied Mechanics, 1982-2001; von Karman Professor, 2001-2004; von Karman Professor Emeritus, 2004-.

Heather A Knutson, Ph.D., Professor of Planetary Science
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-.

Heather A Knutson, Ph.D., Professor of Planetary Science
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-.

Bettina Koch, Visiting Associate in the Humanities

Dennis M Kochmann, Dr.-Ing. Professor of Aerospace
Dipl.-Ing, Ruhr-University, Bochum, 2006; M.S., University of Wisconsin-Madison, 2006; Dr.-Ing, Ruhr-University, Bochum, 2009. Assistant Professor, Caltech, 2011-16; Professor, 2016-.

Diana L Kormos-Buchwald, Ph.D., Professor of History
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-.

Julia A Kornfield, Ph.D., 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-.

Victoria Kostina, Ph.D., Assistant Professor of Electrical Engineering
B.S., Moscow Institute of Physics and Technology, 2004; M.S., University of Ottawa, 2006; Ph.D., Princeton University, 2013. Caltech, 2014-.

J. M (Morgan) Kousser, Ph.D., William R. Kenan, Jr., Professor of History and Social Science
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, 1979-80; Professor of History and Social Science, 1980-2013; Kenan Professor, 2013-.

Anne J. Kox, Visiting Associate in History

David Kremers, Visiting Associate in Aerospace

Shriniwas R (Shri) Kulkarni, Ph.D., D.h.c., George Ellery Hale Professor of Astronomy and Planetary Science; Director, Caltech Optical Observatories
M.S., Indian Institute of Technology, 1978; Ph.D., University of California, 1983; D.h.c., Radboud University. Millikan Research Fellow in Radio Astronomy, Caltech, 1985-87; Assistant Professor of Astronomy, 1987-90; Associate Professor, 1990-92; Professor, 1992-96; Professor of Astronomy and Planetary Science, 1996-2001; MacArthur Professor, 2001-17, Hale Professor, 2017-2018. Executive Officer for Astronomy, 1997-2000. Director, 2006-.

Akiko Kumagai, 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-.

Nadia Lapusta, Ph.D., Professor of Mechanical Engineering and Geophysics
Dipl., Kiev State University, 1994; M.S., Harvard University, 1996; Ph.D., 2001. Assistant Professor of Mechanical Engineering, Caltech, 2002-03; Assistant Professor of Mechanical Engineering and Geophysics, 2003-08; Associate Professor, 2008-10; Professor, 2010-.

Eugene N Lavi, Visiting Associate in Physics

Jared R. Leadbetter, Ph.D., Professor of Environmental Microbiology
B.S., Wabash College, 1991; Ph.D., Michigan State University, 1997. Assistant Professor, Caltech, 2000-06; Associate Professor, 2006-10; Professor, 2010-.

Jerome LaCroix, Visiting Associate in Chemical Engineering
Ph.D., University of Nice, 2006; Caltech, 2016-2017.

Farshad Lahouti, Lecturer in Electrical Engineering

Ka Chun Lam, von Karman Instructor in Computing and Mathematical Sciences

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-.

Paul F. La Porte, Visiting Associate in Chemical Engineering

Joy A. Laizinger, Faculty Associate in Chemistry

Shiwei Lan, Lecturer in Computing and Mathematical Sciences

Joseph Lazio, Visiting Associate in Physics

Nadia Lapusta, Ph.D., Professor of Mechanical Engineering and Geophysics
Dipl., Kiev State University, 1994; M.S., Harvard University, 1996; Ph.D., 2001. Assistant Professor of Mechanical Engineering, Caltech, 2002-03; Assistant Professor of Mechanical Engineering and Geophysics, 2003-08; Associate Professor, 2008-10; Professor, 2010-.

Jared R. Leadbetter, Ph.D., Professor of Environmental Microbiology
B.S., Wabash College, 1991; Ph.D., Michigan State University, 1997. Assistant Professor, Caltech, 2000-06; Associate Professor, 2006-10; Professor, 2010-.

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 for the Social Sciences, 1989-92; Chair, Division of the Humanities and Social Sciences, 1992-2002.
Brian Lee, 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, 2013-18.

Chen Li, Visiting Associate in Applied Physics and Materials Science

Duhyun Lee, Visiting Associate in Applied Physics and Materials Science

Jiangang Li, Visiting Associate in Computing and Mathematical Sciences

Jongho Lee, Visiting Associate in Medical and Electrical Engineering

Qiongling Li, Lecturer in Mathematics

Patrick A Lee, Visiting Associate in Physics

Richard Lee, Visiting Associate in Physics

Dennis Lehmkuhl, Research Assistant Professor of History and Philosophy of Science

Anthony Leonard, Ph.D., Theodore von Karman Professor of Aeronautics, Emeritus

Henry A Lester, Ph.D., Professor of Biology

Daniel Lidar, Ph.D., Moore Distinguished Scholar in Physics

Ron Y Lifshitz, Visiting Associate in Physics
B.Sc., Hebrew University of Jerusalem, 1990; Ph.D., Cornell University, 1995. Associate Professor, Tel Aviv University, 2006-. Research Fellow, Caltech, 1995-98; Senior Research Fellow, 1998-99; Visiting Associate, 2001; 2003; 2006-07; 2009; 2011-17.

Katrina A Liggett, Ph.D., Assistant Professor of Computer Science and Economics

Sierin Lim, Visiting Associate in Chemical Engineering

Fan-Chi Lin, Visiting Associate in Geophysics
Ya Houan Liou, Visiting Associate in Environmental Science and Engineering  
B.S., National Taiwan University, 1998; M.S., 2001; Ph.D., 2006. Caltech, 2016.

Howard D Lipshitz, Ph.D., Moore Distinguished Scholar  
B.Sc. (Biological and Mathematical Statistics), University of Natal (South Africa), 1975;  
B.Sc. (Biology), 1976; M.Phil., Yale University, 1980; Ph.D., 1983. Senior Scientist, Hospital for Sick Children Research Institute (Canada), 1995– Assistant Professor, Caltech 1986–92; Associate Professor, 1992–95; Visiting Associate, 1995–99; Moore Distinguished Scholar, 2017.

Dariusz C (Darek) Lis, Visiting Associate in Physics  

E J (John) List, Ph.D., Professor of Environmental Engineering Science, Emeritus  

Charles Y Liu, 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; 2014–17.

Feng Liu, Visiting Associate in Electrical Engineering  

Pengfei Liu, Lecturer in Computing and Mathematical Sciences  

Shaofeng Liu, Visiting Associate in Geology  

Shaowen Liu, Visiting Associate in Geophysics  

Yang Liu, Visiting Associate in Geochemistry  
B.S., Chengdu University of Technology, 1995; M.S., University of Michigan, 1998; Ph.D., University of Michigan, 2003. Lecturer, 2015; Caltech, 2013–18.

Alexis Livanos, Faculty Associate in Aerospace B.S., California Institute of Technology, 1970; M.S., 1972; Ph.D., 1975. Caltech, 2013–.

Joerg F Loeffler, Visiting Associate in Applied Physics and Materials Science  
M.S., University of Saarbrucken (Germany), 1994; Ph.D., Paul Scherrer Institute (Switzerland), 1998. Assistant Professor, University of California (Davis), 2001–. Caltech, 2001–04; 2017.

Ole M Loevik, Visiting Associate in Mechanical and Civil Engineering  

Carlos Lois, Research Professor  
M.D., University of Valencia, 1991; Ph.D., Rockefeller University, 1995. Caltech, Visiting Associate, 2014–15; Research Professor 2015–.

Santiago V Lombeyda, Lecturer in Biology and Biological Engineering  

Gabriel Lopez-Moctezuma, Ph.D., Assistant Professor of Political Science  

Gary A Lorden, Ph.D., Professor of Mathematics, Emeritus  

Steven H Low, Ph.D., Professor of Computer Science and Electrical Engineering  
B.S., Cornell University, 1987; M.S., University of California, 1989; Ph.D., 1992. Associate Professor, Caltech, 2000–06; Professor, 2006–.

Xilin Lu, Visiting Associate in Mechanical and Civil Engineering  

Martino Lupini, Harry Bateman Instructor in Mathematics  
B.Sc, University of Parma, 2008; M.Sc, University of Pisa, 2010; Ph.D., York University, 2015. Caltech, 2015–18.

Jack Lutz, Visiting Associate in Computing and Mathematical Sciences  

Officers and Faculty
Robyn Lutz, Visiting Associate in Computing and Mathematical Sciences

W A Luxemburg, Ph.D., Professor of Mathematics, Emeritus

Douglas G (Doug) MacMartin, Visiting Associate in Computing and Mathematical Sciences

Walid Majid, Visiting Associate in Physics

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-.

Karol Makuch, Visiting Associate in Chemical Engineering

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 of English, Caltech, 1961-62; Associate Professor, 1962-68; Professor, 1968-80; Professor of Literature, 1980-2003; Professor Emeritus, 2003-.

Suliana Manley, Visiting Associate in Applied Physics and Materials Science

Elena Mantovan, Ph.D., Professor of Mathematics; Executive Officer for Mathematics
Laurea, University of Padova, 1995; M.A., Harvard University, 1998; Ph.D., 2002. Assistant Professor, Caltech, 2005-10; Associate Professor, 2010-; Professor, 2010-; Executive Officer, 2016-.

Alireza Marandi, Visiting Associate in Electrical Engineering
B.S., University of Tehran, 2006; M.S., University of Victoria, 2008; Ph.D., Stanford University, 2013. Caltech, 2017-18.

Matilde Marcolli, Ph.D., Professor of Mathematics
Laurea, University Degli Studi, 1993; M.Sc., University of Chicago, 1994; Ph.D., 1997. Caltech, 2008-.

Rudolph A (Rudy) 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
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-.

Vladimir Markovic, Ph.D., John D. MacArthur Professor of Mathematics
B.Sc., University of Belgrade, 1995; Ph.D., 1998. Professor, Caltech, 2011-13; MacArthur Professor, 2013-.

Shirley A Marneus, Lecturer in Theater Arts, Emeritus

Richard E Marsh, Senior Research Associate in Chemistry, Emeritus
B.S., Caltech, 1943; Ph.D., University of California (Los Angeles), 1950. Research Fellow, Caltech, 1950-55; Senior Research Fellow, 1955-73; Research Associate, 1973-81; Senior Research Associate, 1981-90; Senior Research Associate Emeritus, 1990-.

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., Professor of Physics
B.A., Oberlin College, 1978; Ph.D., University of California, 1986. Caltech, 1993-.
Sami F Masri, Visiting Associate in Mechanical and Civil Engineering

Georgios Matheou, Visiting Associate in Aerospace

Atsushi Matsuki, Visiting Associate in Chemical Engineering

Dimitri P Mawet, Ph.D., Associate Professor of Astronomy
Dipl., University of Liege, 2002; M.Phil., 2004; Ph.D., 2006. Caltech, 2015--.

Stephen L (Steve) Mayo, Ph.D., Bren Professor of Biology and Chemistry; William K. Bowes Jr. Leadership Chair, Division of Biology and Biological Engineering
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--; HHMI Investigator, 1994-07; Executive Officer for Biochemistry and Molecular Biophysics, 2004-07; Vice Provost, 2007-10; Division Chair, 2010-12; Bowes Jr. Leadership Chair, 2012--.

Sarkis Mazmanian, Ph.D., Luis B. and Nelly Soux Professor of Microbiology; Investigator, Heritage Medical Research Institute
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--.

Daniel McClure, Visiting Associate in Planetary Science

Robert J McEliece, Ph.D., Allen E. Puckett Professor and Professor of Electrical Engineering, Emeritus

Beverley J McKeon, Ph.D., Theodore von Karman Professor of Aeronautics

Basil V (Vincent) McKoy, Ph.D., Professor of Theoretical Chemistry, Emeritus
B.S., Nova Scotia Technical University, 1960; Ph.D., Yale University, 1964. Noyes Research Instructor in Chemistry, Caltech, 1964-66; Assistant Professor of Theoretical Chemistry, 1967-69; Associate Professor, 1969-75; Professor, 1975-2016; Professor Emeritus, 2016--.

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 in Electrical Engineering, Caltech, 1958-59; Assistant Professor, 1959-62; Associate Professor, 1962-67; Professor, 1967-77; Professor of Computer Science and Electrical Engineering, 1977-80; Moore Professor of Computer Science, 1980-92; Moore Professor of Engineering and Applied Science, 1992-99; Moore Professor Emeritus, 1999--.

Jonathan A Mee, Visiting Associate in English

Barry Megdal, Lecturer in Electrical Engineering

Simona Mei, Visiting Associate in Astronomy

David L Meier, Visiting Associate in Astronomy

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 in Applied Mathematics, Caltech, 1981-83; Visiting Associate, 1984-85; Assistant Professor, 1985-89; Associate Professor, 1989-94; Professor, 1994-2000; Professor of Applied and Computational Mathematics, 2000; Professor of Applied and Computational Mathematics and Computer Science, 2001-06; Jones Professor of Applied and Computational Mathematics and
Markus Meister, Ph.D., Anne P. and Benjamin F. Biaggini Professor of Biological Sciences; Executive Officer for Neurobiology
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-.

Michael Mello, Lecturer in Mechanical and Civil Engineering
B.S., Bridgewater State College, 1985; M.S., University of Rochester, 1988; Ph.D., California Institute of Technology, 2012.

Gary H Menary, Visiting Associate in Chemical Engineering

Jeffrey M (Jeff) Mendez, Lecturer in Chemistry

Trevor C Merrill, Lecturer in French

Richard A Mewaldt, 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-.

Elliott 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-; Executive Officer, 1995-2000; Chair, Division of Biology, 2000-10; HHMI Investigator, 2013-.

Charles E Miller, Visiting Associate in Environmental Science and Engineering

Meghan S Miller, Visiting Associate in Geophysics
M.S., Columbia University, 2009; M.Eng., Cornell University, 2006; Ph.D., Australian University, 2006. Caltech, 2015-17.

Thomas F (Tom) Miller, Ph.D., Professor of Chemistry
B.S., Texas A&M University, 2000; Ph.D., University of Oxford, 2005. Assistant Professor, Caltech, 2008-13; Professor 2013-.

Feng-Ying Ming, Lecturer in Chinese

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-.

Betty Mitchell, Director of Athletics, Recreation and Physical Education

Eric D Mjolsness, Visiting Associate in Biology and Biological Engineering
A.B., Washington University, 1980; Ph.D., Caltech, 1985. Principal Computer Scientist, Jet Propulsion Laboratory, 1998-; Associate Professor, University of California (Irvine), 2002-2009; Professor, University of California (Irvine), 2009-; Faculty Associate, Caltech, 2000-02; Moore Distinguished Scholar 2010-11. Caltech, Visiting Associate, 2002-10; 2016-18.

Dean Mobbs, Ph.D., Assistant Professor of Cognitive Neuroscience
B.S., University of Birmingham, 1999; Ph.D., University College London, 2008. Caltech, 2016-.

Gamal Mohseni, Visiting Associate in Aerospace

Sarah M Mojarad, Lecturer in Chemical Engineering
B.A., Boston University, 2008; M.S., Northeastern University, 2013. Caltech 2016.

Louis Moresi, Visiting Associate in Geophysics

James J (Jim) Morgan, Ph.D., D.Sc.h.c., Marvin L. Goldberger Professor of Environmental Engineering Science, Emeritus
B.C.E., Manhattan College, 1954; M.S.E.,
University of Michigan, 1956; M.A., Harvard University, 1962; Ph.D., 1964; D.Sch.c., Manhattan College. Associate Professor of Environmental Health Engineering, Caltech, 1965-69; Professor, 1969-87; Goldberger Professor of Environmental Engineering Science, 1987-2000; Goldberger Professor Emeritus, 2000–. Academic Officer for Environmental Engineering Science, 1971-72; Dean of Students, 1972-75; Executive Officer for Environmental Engineering Science, 1974-80; 1993-96; Acting Dean of Graduate Studies, 1981-84; Vice President for Student Affairs, 1980-89.


Olecei I Motrunich, Ph.D., Professor of Theoretical Physics
B.S., University of Missouri (Columbia), 1996; Ph.D., Princeton University, 2001. Assistant Professor, Caltech, 2006-12; Professor, 2012–.

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–.

Richard M Murray, Ph.D., Thomas E. and Doris Everhart Professor of Control and Dynamical Systems and Bioengineering B.S., Caltech, 1985; M.S., University of California, Berkeley, 1988; Ph.D., 1990. Assistant Professor of Mechanical Engineering, Caltech, 1991-97; Associate Professor, 1997-2000; Professor, 2000-05; Professor of Control and Dynamical Systems, 2005-06; Everhart Professor of Control and Dynamical Systems; 2006-09; Everhart Professor of Control and Dynamical Systems and Bioengineering, 2009–. Chair, Engineering and Applied Science, 2000-05; Director, Information Science and Technology, 2006-2009; Interim Chair, Engineering and Applied Science, 2008-09.


Andrew G Myers, Ph.D., Moore Distinguished Scholar S.B., Massachusetts Institute of Technology, 1981; Ph.D., Harvard University, 1985. Assistant Professor, Caltech, 1986-91; Associate Professor, 1991-94; Professor, 1994-98; Moore Distinguished Scholar, 2017.


Stevan Nadj-Perge, Ph.D., Assistant Professor of Applied Physics and Materials Science University of Wisconsin, Milwaukee, 2006; Ph.D., Delft University of Technology, 2010. Visiting Associate, Caltech, 2015; Assistant Professor, 2016–.


Satoshi Nawata, Visiting Associate in Theoretical Physics Ph.D., University of Wisconsin, Milwaukee, 2006; Visiting Associate in Theoretical Physics, Caltech, 2017.


Dianne K Newman, Ph.D., Gordon M. Binder/Amgen Professor of Biology and Geobiology Executive Officer for Molecular Biology B.A., Stanford University, 1993; Ph.D., Massachusetts Institute of Technology, 1997. Clare Boothe Luce Assistant Professor, Caltech, 2000-05; Associate Professor, 2005-06; Professor, 2006-16; HHMI Investigator, 2005-07, 2010-16; Binder/Amgen Professor, 2016–. Executive Officer, 2017–.

Harvey B Newman, Sc.D., D.h.c., Marvin L. Goldberger Professor of Physics B.S., Massachusetts Institute of Technology, 1968; Sc.D., 1973; D.h.c., University Politechnica of Bucharest; Pavol Jozef Safarik University. Associate Professor, Caltech, 1982-90; Professor, 1990-17; Goldberger Professor, 2017–.
Hien T Nguyen, Visiting Associate in Physics; Lecturer in Physics

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-.

Shoupleh Nikzad, Lecturer in Medical Engineering; Visiting Associate in Astrophysics
B.S., University of Southern California, 1982; M.S., Caltech, 1983; Ph.D., 1983. Staff, Jet Propulsion Laboratory, 1992-. Research Fellow, Caltech, 1990-91; Lecturer, 2016-2017; Visiting Associate, 1992-96; 2012-17.

Ralph G Nuzzo, Visiting Associate in Applied Physics and Materials Science

Barbara B Oberg, Visiting Associate in History

Roger C O'Brien, Visiting Associate in Experimental Physics

John P O'Doherty, Ph.D., Professor of Psychology
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-; Director, Caltech Brain Imaging Center, 2013-17.

Hiroshi (Hirosi Ooguri) Oguri, Fred Kavli Professor of Theoretical Physics and Mathematics

Yuki Oka, Ph.D., Assistant Professor of Biology
Lior S Pachter, Ph.D., Bren Professor of Computational Biology and Computing and Mathematical Sciences
B.S., California Institute of Technology, 1994; Ph.D., Massachusetts Institute of Technology, 1999. Bren Professor, Caltech, 2017-.

Oskar J Painter, Ph.D., John G Braun Professor of Applied Physics and Physics; Fletcher Jones Foundation Co-Director of the Kavli Nanoscience Institute
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; Co-Director, Kavli Nanoscience Institute, 2011-13, 2015-.

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

Maurizia Palummo, Visiting Associate in Applied Physics and Materials Science

D A (Dimitri) Papanastassiou, Faculty Associate in Geochemistry
B.S. Caltech, 1965; Ph.D., 1970. Research Fellow in Physics, 1970-72; Senior Research Fellow in Planetary Science, 1972-76; Research Associate in Geochemistry, 1976-81; Senior Research Associate, 1981-99; Faculty Associate, 1999-.

Julie J Park, Visiting Associate in the Humanities

Carl S Parker, Ph.D., Professor of Biochemistry
B.A., University of Rochester, 1973; Ph.D., Washington University (St. Louis), 1977. Assistant Professor of Chemical Biology, Caltech, 1981-87; Associate Professor, 1987-92; Professor, 1992-99; Professor of Biochemistry, 1999-. Executive Officer, 2000-04.

Gary Parker, Ph.D., Moore Distinguished Scholar

Joseph Parker, Ph.D., Assistant Professor of Biology and Biological Engineering
B.S., Imperial College London, 2001; Ph.D., University of Cambridge, 2005. Visiting Associate, Caltech, 2017; Assistant Professor, 2017-.

Robert C Penner, Visiting Associate in Mathematics

Bryan E Penprase, Visiting Associate in Astronomy

Pietro Perona, Ph.D., Allen E. Puckett Professor of Electrical Engineering

Isabelle S Peter Lashgari Faghani, Research Professor of Biology and Biological Engineering
Ph.D., University of Zurich, 2002. Caltech, 2011-.

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-
Peter A Petillo, Visiting Associate in Applied Physics and Materials Science

Danny Petrasek, Visiting Associate in Medical Engineering; Lecturer in Bioengineering

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, 2000-2011; Morris Professor, 2012-.

Thomas G Phillips, Ph.D., D.h.c., John D. MacArthur Professor of Physics, Emeritus

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.

Kenneth A Pickar, Visiting Associate in Mechanical and Civil Engineering

Niles A Pierce, Ph.D., Professor of Applied and Computational Mathematics and Bioengineering
B.S.E., Princeton University, 1993; D.Phil., University of Oxford, 1997. Assistant Professor of Applied Mathematics, Caltech, 2000; Assistant Professor of Applied and Computational Mathematics, 2000-04; Assistant Professor of Applied and Computational Mathematics and Bioengineering, 2004-06; Associate Professor, 2006-10; Professor, 2010-; Acting Executive Officer for Bioengineering, 2007; Executive Officer for Bioengineering, 2007-13; Executive Officer for Biological Engineering, 2013.

Elena Pierpaoli, Visiting Associate in Astrophysics
Ph.D., International School for Advanced Studies (Italy), 1998. Assistant Professor, University of Southern California, 2006-. Senior Research Fellow, Caltech, 2004-06; Visiting Associate, 2006-13; 2015-17.

George Pigman, Ph.D., Professor of English
A.B., Harvard College, 1973; M.Phil., Yale University, 1975; Ph.D. (Comparative Literature), 1977; Ph.D., (Psychoanalysis), Southern California Psychoanalytic Institute, 1989. Assistant Professor of English, Caltech, 1977-80; Assistant Professor of Literature, 1980-83; Associate Professor, 1983-93; Professor of Literature, 1993-2004; Professor of English, 2004-. Executive Officer for the Humanities, 2003-08.

Jerome Pine, Ph.D., Professor of Physics, Emeritus
A.B., Princeton University, 1949; M.S., Cornell University, 1952; Ph.D., 1959. Associate Professor, Caltech, 1963-67; Professor, 1967-2014; Professor Emeritus, 2014-.

Donald H (Donnie) Pinkston, Lecturer in Computing and Mathematical Sciences

Charles R Plott, Ph.D., D.Lit.h.c., D.h.c., William D. Hacker Professor of Economics and Political Science
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 Mendes. Professor of Economics, Caltech, 1971-87; Harkness Professor, 1987-2013; Hacker Professor, 2013-.

Keith D Plymners, Howard E. and Susanne C. Jesen Postdoctoral Instructor in the Humanities

Jarmila Polet, Visiting Associate in Geophysics
M.S., University of Utrecht, 1992; M.S., California Institute of Technology, 1994;
Hugh D (David) Politzer, 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 for Physics, 1986-88.

James E (Jay) Polk, Visiting Associate in Aeronautics; Lecturer in Aerospace

Luciano Pomatto, Ph.D., Assistant Professor of Economics

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-.

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, Institute for Quantum Science and Technology, 2017-.

Glenn Price, Band Director and Director of Performing and Visual Arts

Dinakar Ramakrishnan, Ph.D., Taussky-Todd-Lonergan Professor of Mathematics

Officers and Faculty


Hugh D (David) Politzer, 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 for Physics, 1986-88.

James E (Jay) Polk, Visiting Associate in Aeronautics; Lecturer in Aerospace

Luciano Pomatto, Ph.D., Assistant Professor of Economics

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-.

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, Institute for Quantum Science and Technology, 2017-.

Glenn Price, Band Director and Director of Performing and Visual Arts

Dinakar Ramakrishnan, Ph.D., Taussky-Todd-Lonergan Professor of Mathematics

Officers and Faculty


Hugh D (David) Politzer, 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 for Physics, 1986-88.

James E (Jay) Polk, Visiting Associate in Aeronautics; Lecturer in Aerospace

Luciano Pomatto, Ph.D., Assistant Professor of Economics

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-.

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, Institute for Quantum Science and Technology, 2017-.

Glenn Price, Band Director and Director of Performing and Visual Arts

Dinakar Ramakrishnan, Ph.D., Taussky-Todd-Lonergan Professor of Mathematics
Anamparambu N Ramaprakash, Visiting Associate in Astrophysics

Michael Ramsey-Musolf, Visiting Associate in Physics
Ph.D., Princeton University, 1989. Professor, University of Wisconsin (Madison), 2007-. Visiting Associate, Caltech, 2001; 2007-17; Senior Research Associate, 2001-07; Lecturer, 2005-06.

Antonio Rangel, Ph.D., Bing Professor of Neuroscience, Behavioral Biology, and Economics
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-.

Birger Rasmussen, Visiting Associate in Geology

Vitaly Rassolov, Visiting Associate in Chemistry

Guruswami (Ravi) Ravichandran, Ph.D., D.h.c., John E. Goode, Jr., Professor of Aerospace and Mechanical Engineering; Otis Booth Leadership Chair, Division of Engineering and Applied Science
B.E., University of Madras (Regional Engineering College), 1981; Sc.M. (Solid Mechanics and Structures), Brown University, 1983; Sc.M. (Applied Mathematics), 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-; Associate Director, 2008-09; Director, Graduate Aerospace Laboratories, 2009-15; Otis Booth Leadership Chair, 2015-.

Animesh Ray, Visiting Associate in Biology and Biomedical Engineering

Anthony C Readhead, Ph.D., Robinson Professor of Astronomy, Emeritus; Director, Owens Valley Radio Observatory

Carol W Readhead, Lecturer in Engineering, Visiting Associate in Biology and Biological Engineering

Douglas C (Doug) Rees, Ph.D., Roscoe Gilkey Dickinson Professor of Chemistry; Investigator, Howard Hughes Medical Institute; Dean of Graduate Studies
B.S., Yale University, 1974; Ph.D., Harvard University, 1980. Professor, Caltech, 1989-2004; Dickinson Professor, 2004-. HHMI Investigator, 1997-; Executive Officer for Chemistry, 2002-06; Executive Officer for Biochemistry and Molecular Biophysics, 2007-15; Dean of Graduate Studies, 2015-.

Gil Refael, Ph.D., Taylor W. Larrance Professor of Theoretical Physics; Executive Officer for Physics
B.S., Tel Aviv University, 1997; M.S., 1998; Ph.D., Harvard University, 2003. Assistant Professor, Caltech, 2005-2008; Associate Professor, 2008-11; Professor, 2011-17; Lawrence Professor, 2017-; Executive Officer, 2014-.

Martin Rein, Visiting Associate in Aerospace

Sarah E Reisman, Ph.D., Professor of Chemistry; Executive Officer for Chemistry; Investigator, Heritage Medical Research Institute
B.A., Connecticut College, 2001; Ph.D., Yale University, 2006. Assistant Professor, Caltech, 2008-14; Professor, 2014-; Executive Officer, 2015-; HMRI Investigator 2015-.

David H Reitze, Research Professor of Physics; Executive Director of the LIGO Project

Paul Renteln, Visiting Associate in Mathematics
Jean-Paul Revel, Ph.D., Albert Billings Ruddock Professor of Biology, Emeritus
B.S., University of Strasbourg, 1949; Ph.D., Harvard University, 1957. Professor of Biology, Caltech, 1971-78; Ruddock Professor, 1978-2006; Ruddock Professor Emeritus, 2006-. Dean of Students, 1996-2005.

Jason D Rhodes, Visiting Associate in Astronomy

Frank R Rice, Lecturer in Physics

Elon Rimon, Visiting Associate in Mechanical and Civil Engineering

Robert C Ritchie, Visiting Associate in History

Daniel Rittel, 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; Visiting Associate, 2001-06; 2007-12, 2013, 2016; Clark B. Millikan Visiting Professor, 2006-07.

Maxwell J Robb, Ph.D., Assistant Professor of Chemistry
B.S., Colorado School of Mines, 2009; Ph.D., University of California, Santa Barbara, 2017. Visiting Associate, Caltech, 2017; Assistant Professor, 2017-.

Graca M Rocha, Visiting Associate
M.S., London University, 1992; Ph.D., University of Cambridge, 1997; Visiting Associate in Physics, Caltech, 2016-17.

Damien C Rodger, Visiting Associate in Medical Engineering
B.S., Cornell University, 2000; Ph.D., California Institute of Technology, 2008; M.D., University of California, Keck School of Medicine, 2009. Caltech, 2015-17.

Richard W Roll, Ph.D., Linde Institute Professor of Finance

Alton D Romig, Visiting Associate in Applied Physics and Materials Science

Gustavo Roque da Silva Assi, Visiting Associate in Aerospace

Ares J Rosakis, Ph.D., Theodore von Karman Professor of Aeronautics and Mechanical Engineering
B.S., University of Oxford, 1978; Sc.M., Brown University, 1980; Ph.D., 1982. Assistant Professor of Aeronautics and Applied Mechanics, Caltech, 1982-88; Associate Professor, 1988-93; Professor, 1993-2000; Professor of Aeronautics and Mechanical Engineering, 2000-04; von Karman Professor, 2004-; Director, Graduate Aerospace Laboratories, 2004-09; Division Chair, 2009-13; Otis Booth Leadership Chair, 2013-15.

Pheobus Rosakis, Visiting Associate in Aerospace

Paul A Rosen, Visiting Associate in Geophysics

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 for the Humanities, 1983-86.

Jean-Laurent Rosenthal, Ph. D., Rea A. and Lola G. Axline Professor of Business Economics; Ronald and Maxine Linde Leadership Chair, Division of the Humanities and Social Sciences
B.A., Reed College, 1984; Ph.D., Caltech, 1988. Professor of Economics, 2006-2008; Axline Professor of Business Economics, 2008-. Executive Officer, 2007-13; Division Chair, 2014-16; Linde Leadership Chair, 2016-.
Brian D Ross, Visiting Associate in Medical Engineering

Ian Ross, Visiting Associate in Biology and Biological Engineering
B.Sc., McGill University, 1981; M.D., Queens University, 1985; M.Sc., University of Toronto, 1992. Provisional Staff, Huntington Memorial Hospital, 2005-. Caltech, 2008-18.

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

Paul W Rothemund, Research Professor of Bioengineering, Computing and Mathematical Sciences, and Computation and Neural Systems
B.S., Caltech, 1994; Ph.D., University of Southern California, 2001. Visiting Associate, Caltech, 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-.

Ellen Rothenberg, Ph.D., Albert Billings Ruddock 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-.

Ira Z Rothstein, Visiting Associate in Physics

Michael I. Roukes, Ph.D., Robert M. Abbey 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 of Physics, 1996-2002; Professor of Physics, Applied Physics, and Bioengineering, 2002-11; Abbey Professor, 2011-; Director, Kavli Nanoscience Institute, 2004-06; Co-Director, 2008-2013.

Damon S Russell, Lecturer in Electrical Engineering
B.S., University of California (Santa Barbara), 1995; M.S., Santa Clara University, 1999; Ph.D., California Institute of Technology, 2013. Caltech 2016.

Ueli Rutishauser, Visiting Associate in Biology and Bioengineering

David B Rutledge, Ph.D., Kiyo and Eiko Tomiyasu Professor of Engineering
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-. Executive Officer for Electrical Engineering, 1999-2002; Chair, Division of Engineering and Applied Science, 2005-08.

John E Sader, Visiting Associate in Physics

Kota Saito, Ph.D., Professor of Economics
M.A., University of Tokyo, 2007; Ph.D., Northwestern University, 2011. Caltech, Asst. Professor, 2011-16; Assistant Professor, Caltech, 2011-16; Professor, 2017-.

Hiroyasu Saitoh, Visiting Associate in Aerospace

Jason B Saleeby, Ph.D., Professor of Geology, Emeritus
B.S., California State University (Northridge), 1972; Ph.D., University of California (Santa Barbara), 1975. Associate Professor, Caltech, 1978-88; Professor, 1988-2015; Professor Emeritus, 2015-.

Benjamin A Saltzman, Weisman Postdoctoral Instructor in Medieval British Literature
B.A., Pace University, 2007; Ph.D., University of California (Berkeley), 2014. Caltech, 2014-17.

Ravi Samtaney, Visiting Associate in Aerospace

Konrad H Samwer, Visiting Associate in Applied Physics and Materials Science
Stanley P (Stan) Sander, Visiting Associate in Planetary Science
B.A., Pomona College, 1974; M.S., Caltech, 1975; Ph.D., 1980. Senior Research Scientist, Jet Propulsion Laboratory, 1996-.

Barry C Sanders, Visiting Associate in Theoretical Physics

Davide Sangalli, Visiting Associate in Applied Physics and Materials Science

Suniti V Sanghavi, Visiting Associate in Environmental Science and Engineering

Anneila I Sargent, Ph.D., D.Sc.h.c., Professor of Astronomy
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-; Rosen Professor, 2004-13; Bowen Professor, 2013-16; Associate Director, Owens Valley Radio Observatory, 1992-96; Executive Director, 1996-98; Director, Owens Valley Radio Observatory, 1992-96; Director, Interferometry Science Center, 2000-03; Director, Michelson Science Center, 2003; Vice President, 2007-15.

Re’em Sari, Visiting Associate in Astrophysics

Jack Sayers, Research Assistant Professor of Physics

Daniel Scharf, Lecturer in Aerospace

Mark Scheel, 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
B.S., New Mexico Institute of Mining and Technology, 1981; M.S., 1982; Ph.D., 1985. Associate Professor of Electrical Engineering, Caltech, 1993-95; Professor, 1995; Professor of Electrical Engineering and Applied Physics, 1995-96; Professor of Electrical Engineering, Applied Physics, and Physics, 1996-2000; Neches Professor, 2000-06; Director, Kavli Nanoscience Institute, 2006-08; Co-Director, 2008-11.

Lukas W Schimmer, Harry Bateman Research Instructor

Brandon Schmandt, Visiting Associate in Geophysics

Maarten Schmidt, Ph.D., Francis L. Moseley Professor of Astronomy, Emeritus
Ph.D., University of Leiden, 1956; Sc.D., Yale University, 1966. Associate Professor, Caltech, 1959-64; Professor, 1964-81; Institute Professor, 1981-87; Moseley Professor, 1987-96; Moseley Professor Emeritus, 1996-. Executive Officer for Astronomy, 1972-75; Chairman, Division of Physics, Mathematics and Astronomy, 1976-78; Director, Hale Observatories, 1978-80.

Tapiio Schneider, Ph.D., Frank J. Gilloon Professor of Environmental Science and Engineering; Jet Propulsion Laboratory Senior Research Scientist
Vordipl., Albert-Ludwigs-Universitat Freiburg, 1993; Ph.D., Princeton University, 2001. Assistant Professor, Caltech, 2002-08; Associate Professor, 2008-09; Professor, 2009-10; Gilloon Professor, 2010-; Director, Linde Center, 2011-12; Executive Officer, 2011-12; Jet Propulsion Laboratory Senior Research Scientist, 2016-.

Charles M Schroeder, Visiting Associate in Chemical Engineering

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;

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-; Nohl Professor, 1979-; Executive Officer for Chemical Engineering, 1974-90; Executive Officer for Environmental Science and Engineering, 2016-17; Chair, Division of Engineering and Applied Science, 1990-2000.


Alex I Sessions, Ph.D., 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-.


Shu-ou Shan, Ph.D., 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-; Executive Officer, 2015-.

Charles A Shapiro, Visiting Associate in Astronomy B.S., Pennsylvania State University, 2002; Ph.D., University of Chicago, 2008. Caltech, 2016-17.

Mikhail Shapiro, Ph.D., Assistant Professor of Chemical Engineering; Investigator, Heritage Medical Research Institute B.S., Brown University, 2004; Ph.D., Massachusetts Institute of Technology, 2008. Visiting Associate, Caltech, 2013; Assistant Professor, 2014-; HMRI Investigator, 2015-.
Andrew A Shapiro-Scharlotta, Visiting Associate in Aerospace

Adam Sheffer, Harry Bateman Instructor in Mathematics

Mohammad H Shehata, Visiting Associate in Biology and Biological Engineering
B.S., Cairo University, Egypt, 2001; Ph.D., University of Toyama, Japan, 2011. Caltech, 2016-18.

Joseph E Shepherd, Ph.D., C. L. ‘Kelly’ Johnson Professor of Aeronautics and Mechanical Engineering; Vice President for Student Affairs
B.S., University of South Florida, 1976; Ph.D., Caltech, 1981. Associate Professor, 1993-99; Professor of Aeronautics, 1999-2005; Professor of Aeronautics and Mechanical Engineering, 2006-08; Johnson Professor, 2008-; Dean of Graduate Studies, 2009-15; Vice President for Student Affairs, 2015-.

Aleksandra Sherman, Visiting Associate in Biology and Biological Engineering

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-.

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-.

Kirill Shtetengel, Visiting Associate in Physics
B.S., St. Petersburg Technical University, 1988; M.S., University of California (Los Angeles), 1994; Ph.D., 1999. Assistant Professor, University of California (Riverside), 2005-. Caltech, 2005-11; 2012-13; 2015-17.

Matthew S (Matt) Shum, Ph.D., J. Stanley Johnson Professor of Economics
B.A., Columbia University, 1992; Ph.D., Stanford University, 1998. Professor, Caltech, 2008-16; J. Stanley Johnson Professor, 2016-.

Athanasios G (Thanos) Siapas, Ph.D., Professor of Computation and Neural Systems; Executive Officer for 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-.

Constantine (Costis) Sideris, Lecturer in Computing and Mathematical Sciences, Postdoctoral Scholar in Computing and Mathematical Sciences

Peter Siegel, Visiting Associate in Electrical Engineering

Daniel M Silevitch, Research Professor of Physics

Leon T Silver, Ph.D., W. M. Keck Foundation Professor for Resource Geology, Emeritus
B.S., University of Colorado, 1945; M.S., University of New Mexico, 1948; Ph.D., Caltech, 1955. Assistant Professor of Geology, 1955-62; Associate Professor, 1962-65; Professor, 1965-83; Keck Professor, 1983-96; Keck Professor Emeritus, 1996-.

David Simmons-Duffin, Ph.D., Assistant Professor of Theoretical Physics
A.B., Harvard University, 2006; A.M., 2006; CASM., University of Cambridge, 2007; Ph.D., Harvard University, 2012. Visiting Associate, Caltech, 2016-17; Assistant Professor, 2017-.

Barry M Simon, Ph.D., D.Sc.h.c., International Business Machines Professor of Mathematics and Theoretical Physics, Emeritus

Melvin I (Mel) Simon, Ph.D., Anne P. and Benjamin F. Biaggin Professor of Biological Sciences, Emeritus
B.S., City College of New York, 1959; Ph.D., Brandeis University, 1963. Professor, Caltech, 1982-86; Biaggin Professor, 1986-2005; Biaggin Professor Emeritus, 2005--; Chair, Division of Biology, 1995-2000.

Mark Simons, Ph.D., John W. and Herbera M. Miles Professor of Geophysics; Jet Propulsion Laboratory Chief Scientist
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 of French, Caltech, 1970-71; Lecturer, 1971-81; Associate Professor, 1982-85; Professor, 1985-92; Professor of Literature Emeritus, 1993-.

Douglas L Smith, Lecturer in Engineering

Erik Snowberg, Ph.D., Professor of Economics and Political Science
S.B., Massachusetts Institute of Technology, 1999; Ph.D., Stanford University, 2008. Assistant Professor, Caltech, 2008-11; Associate Professor, 2011-12; Professor, 2012-; Master of Student Houses, 2014-2016.

G J (Jeff) Snyder, Visiting Associate in Applied Physics and Materials Science
B.A., Cornell University, 1991; Ph.D., Stanford University, 1997. Lecturer, 2003-07; Faculty Associate, 2006-17; Visiting Associate, 2000-06; 2017.

Byungdal So, Visiting Associate in Geophysics

B T Soifer, Ph.D., Harold Brown Professor of Physics, Emeritus; Director, Spitzer Science Center
B.S., Caltech, 1968; Ph.D., Cornell University, 1972. Senior Research Fellow, Caltech, 1978-81; Senior Research Associate, 1981-89; Professor, 1989-15; Harold Brown Professor, 2015-17; Harold Brown Professor, Emeritus, 2017--; Director, Space Infrared Telescope Facility (SIRTF) Science Center, 1997-2004. Director, Spitzer Science Center, 2004--; Deputy Chair, 2008-10; Acting Chair, 2010; Division Chair, 2010-14; Kresa Leadership Chair, 2014-15.

Pablo R Solis, Olga Taussky and John Todd Instructor in Mathematics
B.S., Massachusetts Institute of Technology, 2008; Ph.D., University of California (Berkeley), 2014. Caltech, 2014-17.

Manuel P Soriaga, Research Professor of Applied Physics and Materials Science

Maria Spiropulu, Ph.D., Shung-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-.

Roxanne P Spring, Ph.D., Moore Distinguished Scholar

Angelike Strathopoulos, 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 for Astronomy, 2004-2007.

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

Maria 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., William E. Leonard 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 Edinburgh; D.Phil.h.c., Hebrew University. Assistant Professor, Caltech, 1979-82; Associate Professor, 1982-83; Professor, 1983-90; Leonard Professor, 1990-. Acting Executive Officer for Geochemistry, 1989; Executive Officer, 1989-94; Chair, Division of Geological and Planetary Sciences, 1994-2004; Acting Provost, 2004; Provost, 2007-17; Larson Provostial Chair, 2013-17; Interim President, 2013-2014.

Brian M Stoltz, Ph.D., Professor of Chemistry
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, 2007-12; Executive Officer, 2010-12.

Edward C Stone, Ph.D., D.Sc.h.c., David Morrisroe Professor of Physics; Vice Provost for Special Projects
S.M., University of Chicago, 1959; Ph.D., 1964; D.Sc.h.c., Harvard University; Washington University; 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-. Chairman, Division of Physics, Mathematics and Astronomy, 1983-88; Vice President for Astronomical Facilities, 1988-90; Vice President and Director of the Jet Propulsion Laboratory, 1991-2001; Vice Provost for Special Projects, 2004-.

Ellen G Strauss, 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-.

James H Strauss, Ph.D., Ethel Wilson Bowles and Robert Bowles Professor of Biology, Emeritus
B.S., Saint Mary’s University, 1960; Ph.D., Caltech, 1967. Assistant Professor, 1967-75; Associate Professor, 1975-83; Professor, 1983-93; Bowles Professor, 1993-2007; Bowles Professor Emeritus, 2007-. Executive Officer for Molecular and Cellular Biology, 1980-89.

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-.

Piotr Sulkowski, Visiting Associate in Physics

Miki Sumimoto, Lecturer in Japanese

Zhen Sun, Visiting Associate in Geophysics

Mark R Swain, Visiting Associate in Planetary Science

Luke A Sweatlock, Visiting Associate in Applied Physics and Materials Science

Noel M Swerdlow, Visiting Associate in History

Shervin Taghavi Larigani, Visiting Associate in Mechanical and Civil Engineering

Yu-Chong Tai, Ph.D., Anna L. Rosen Professor of Electrical Engineering and Mechanical Engineering; Andrew and Peggy Cherng Medical Engineering Leadership Chair; Executive Officer for Medical Engineering
B.S., National Taiwan University, 1981; M.S., University of California, 1986; Ph.D., 1989. Assistant Professor of Electrical Engineering, Caltech, 1989-95; Associate Professor, 1995-2000; Professor, 2000-05; Professor of Electrical Engineering and Mechanical Engineering, 2005-13; Rosen Professor, 2013-; Cherng Medical Engineering Leadership Chair, 2017-; Executive Officer for Electrical Engineering, 2005-2008; Executive Officer for Medical Engineering, 2013-.

Michael K Takase, Lecturer in Chemistry

Omer Tamuz, Ph.D., Assistant Professor of Economics and Mathematics
B.Sc., Tel Aviv University, 2006; M.Sc., Weizman Institute of Science, 2010; Ph.D., 2013. Assistant Professor, Caltech, 2015-.

Yidong Tan, Visiting Associate in Electrical Engineering


Hugh P Taylor, Ph.D., Robert P. Sharp Professor of Geology, Emeritus B.S., Caltech, 1954; A.M., Harvard University, 1955; Ph.D., Caltech, 1959. Assistant Professor, 1959-61; Research Fellow, 1961; Assistant Professor, 1962-64; Associate Professor, 1964-69; Professor, 1969-81; Sharp Professor, 1981-2002, Sharp Professor Emeritus, 2002-. Executive Officer for Geology, 1987-94.


Saul A Teukolsky, Ph.D., Robinson Professor of Theoretical Astrophysics B.Sc., University of the Witwatersrand, 1970; Ph.D., California Institute of Technology, 1973. Visiting Associate, Caltech, 2015-16; Robinson Professor, 2017-.


Andrew F Thompson, Ph.D., Professor of 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-.

Mathew W Thomson, Ph.D., Assistant Professor of Computational Biology B.A., Harvard University, 2001; Ph.D., 2011. Visiting Associate, Caltech, 2016; Assistant Professor, 2017-.

Kip S Thorne, 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 in Physics, Caltech, 1966-67; Associate Professor of Theoretical Physics, 1967-70; Professor, 1970-91; William R. Kenan Professor, 1981-91; Feynman Professor, 1991-2009; Feynman Professor Emeritus, 2009-.


David A Tirrell, Ph.D., D.h.c., Provost; Ross McCallum-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. McCallum-Corcoran Professor and Professor, Caltech, 1998-. Chair, Division of Chemistry and Chemical Engineering, 1999-2009; Provost, 2017-; Larson Provostial Chair, 2017-; Director, Beckman Institute, 2011-17.


Jaroslav Trnka, Visiting Associate in Theoretical Physics M.S., Charles University in Prague, 2004; Ph.D., Princeton University, 2013. Caltech, 2016-17.

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-.

Victor C Tsai, Ph.D., Professor of Geophysics B.S., California Institute of Technology,
2004; A.M., Harvard University, 2006; Ph.D., 2009. Assistant Professor, Caltech, 2011–17; Professor, 2017–.

Doris Y Tsao, Ph.D., Professor of Biology; T&C Chen Center for Systems Neuroscience Leadership Chair; Investigator, Howard Hughes Medical Institute; Director, T&C Chen Center for Systems Neuroscience
B.S., Caltech, 1996; Ph.D., Harvard University, 2002. Assistant Professor, Caltech, 2008–2014; Professor, 2014–; T&C Chen Center for Systems Neuroscience Leadership Chair, 2017–; HHMI Investigator, 2015–; Director, 2017–.

Ertem Tuncel, Visiting Associate in Electrical Engineering
B.S., Middle East Technical University, 1995; M.S. Bilkent University, 1997; Ph.D., University of California (Santa Barbara), 2002; Caltech, 2016–2017.

Carol C (Chace) Tydell, Lecturer in Biology

Christopher M (Chris) Umans, Ph.D., Professor of Computer Science
B.A., Williams College, 1996; Ph.D., University of California, 2000. Assistant Professor, Caltech, 2002–08; Associate Professor, 2008–10; Professor, 2010–.

Issachar Unna, Visiting Associate in History

Edwin T Upchurch, Visiting Associate in Astronomy
B.S., University of Texas (Austin), 1964; M.S., University of Wisconsin (Madison), 1969; Ph.D., University of Texas (Austin), 1982. Staff Scientist, Jet Propulsion Laboratory, 2000–. Caltech, 2002–17.

Shin Usuki, Visiting Associate in Electrical Engineering
B.S., University of Tokyo, 2002; M.S., 2004; Ph.D., 2008. Caltech, 2015–16.

Faramarz Vafaee, Harry Bateman Instructor in Mathematics

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–.

Palghat P Vaidyanathan, Ph.D., 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–. Executive Officer for Electrical Engineering, 2002–05.

Joan S Valentine, Visiting Associate in Geobiology

Michele Vallisneri, Visiting Associate in Physics

John P Van Deusen, Lecturer in Mechanical and Civil Engineering

Jakob J van Zyl, Senior Faculty Associate in Electrical Engineering and Aerospace

Michael C Vanier, Lecturer in Computing and Mathematical Sciences

Alexander J Varshavsky, Ph.D., Howard and Gwen Laurie Smits Professor of Cell Biology
B.S., Moscow State University, 1970; Ph.D., Institute of Molecular Biology, 1973. Caltech, 1992–.

Tarciso A Velho, Visiting Associate in Biology and Biological Engineering

Michael A Vicic, Lecturer in Chemical Engineering

Thomas G Vidick, Ph.D., Associate Professor of Computing and Mathematical Sciences
B.S., Ecole Normale Superieure, Paris, 2007; M.S., 2007; Ph.D., University of California, Berkeley, 2011. Assistant Professor, Caltech, 2014–17; Associate Professor, 2017–.
Joaquin D Vieira, Visiting Associate in Astronomy

Scott C Virgil, Lecturer in Chemistry

Joaquin D Vieira, Visiting Associate in Astronomy

Petr Vogel, Senior Research Associate in Physics, Emeritus

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; R. Stanton Avery Distinguished Service Professor, 1982-2002; R. Stanton Avery Distinguished Service Professor Emeritus, 2002--. Chief Scientist, Jet Propulsion Laboratory, 1977-78; Chairman, Division of Physics, Mathematics and Astronomy, 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.

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

Daniel A Wagenaar, Research Professor of Biology and Biomedical Engineering

David B Wales, Ph.D., Professor of Mathematics, Emeritus
B.S., University of British Columbia, 1961; M.A., 1962; Ph.D., Harvard University, 1967. Bateman Research Fellow, Caltech, 1967-68; Assistant Professor, 1968-71; Associate Professor, 1971-77; Professor, 1977-2008; Professor Emeritus, 2008--. Associate Dean of Students, 1976-80; Dean of Students, 1980-84; Executive Officer for Mathematics, 1985-91; Master of Student Houses, 1991-97.

Duane E Waliser, Visiting Associate in Planetary Science

Fabian Walter, Visiting Associate in Astronomy
M.S., University of New Mexico Albuquerque, 1995; Ph.D., University of Bonn, 1999. Caltech, 2015-17.

Ke Wang, Visiting Associate in Computing and Mathematical Sciences
B.S., University of Science and Technology of China, 2006; Ph.D., Rutgers University, 2013. Caltech, 2015-16.

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

Li Wang, Visiting Associate in Chemistry

Zhen-Gang Wang, Ph.D., Lawrence A. Hanson, Jr. Professor of 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--.

Robert S Ward, Piano Lecturer

Michael M Watkins, Ph.D., Vice President and Director of the Jet Propulsion Laboratory; Professor of Aerospace and Geophysics
B.S., Cornell University, 1983; M.S., University of Texas, Austin, 1985; Ph.D., 1989. Professor, 2016--; Vice President and Director, 2016--, Caltech.

Ryan Webb, Visiting Associate in Economics

Huixian Wei, Visiting Associate in Environmental Science and Engineering
B.S., Qufu Normal College, 1993; M.S., Jiangnan University, 1999; Ph.D., 2008. Caltech, 2015-16.
Sander Weinreb, Visiting Associate in Electrical Engineering

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-.

Cindy A. Weinstein, Ph.D., Eli and Edythe Broad Professor of English; Vice Provost; Chief Diversity Officer
B.A., Brandeis University, 1982; Ph.D., University of California, 1989. Assistant Professor of Literature, Caltech, 1989-95; Associate Professor, 1995-2004; Associate Professor of English, 2004-05; Professor, 2005-16; Broad Professor, 2016-2019; Executive Officer, 2008-14; Vice Provost, 2014-2019; Chief Diversity Officer, 2015-.

Daniel P. (Dan) Weitekamp, Ph.D., Professor of Chemical Physics
B.A., Harvard College, 1974; Ph.D., University of California, 1982. Assistant Professor of Chemistry, Caltech, 1985-91; Associate Professor of Chemical Physics, 1991-2006; Professor, 2006-.

Linqing Wen, 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.

Xin Wen, Visiting Associate in Chemistry

Paul O. Wennberg, Ph.D., R. Stanton Avery Professor of Atmospheric Chemistry and Environmental Science and Engineering; Executive Officer for Environmental Science and Engineering; Director, Ronald and Maxine Linde Center for Global Environmental Change
B.A., Oberlin College, 1985; Ph.D., Harvard University, 1994. Associate Professor of Atmospheric Chemistry and Environmental Engineering Science, Caltech, 1998-2001; Professor, 2001-03; Professor of Atmospheric Chemistry and Environmental Science and Engineering, 2003-04; Avery Professor, 2004-; Director, Linde Center, 2008-11; Executive Officer, 2012-; Acting Director, Linde Center, 2012-14; Director, Linde Center, 2014-.

Michael W. Werner, Visiting Associate in Astrophysics

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 of Geology, 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; Ph.D., 1996. Associate Professor, Caltech, 2010; Professor, 2010-.

Ward Whaling, Ph.D., Professor of Physics, Emeritus
B.S., Rice University, 1944; M.A., 1947; Ph.D., 1949. Research Fellow, Caltech, 1949-52; Assistant Professor, 1952-58; Associate Professor, 1958-62; Professor, 1962-93; Professor Emeritus, 1993-.

Mark E. Wiedenbeck, Visiting Associate in Physics

Anna K. Wienhard, Visiting Associate in Mathematics

Adam Wierman, Ph.D., Professor of Computing and Mathematical Sciences; Executive Officer for 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-; Associate Director, 2015-16; Director, 2016-.

Kenneth Williford, Visiting Associate in Geobiology

Josh Willis, Visiting Associate in Environmental Science and Engineering

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, 2015-.
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 of Computer Science and Computation and Neural Systems, 2006-07; Associate Professor, 2007-10; Professor, 2010-.

Jay R Winkler, Faculty Associate in Chemistry; Lecturer in Chemistry

Kenneth J Winston, Lecturer in Economics

Mark B Wise, Ph.D., John A. McCon Professor of High Energy Physics
B.Sc., University of Toronto, 1976; M.Sc., 1977; Ph.D., Stanford University, 1980. Assistant Professor of Theoretical Physics, Caltech, 1982-84; Associate Professor, 1984-85; Professor, 1985-92; McCon Professor, 1992-.

Barbara J Wold, Ph.D., Bren Professor of Molecular Biology
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, 2001-2011.

Julian K (Juli) Wolfgram, Lecturer in Art History

James F Woodward, Ph.D., J. O. and Juliette Koepfl Professor of the Humanities, Emeritus

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 in Hydrodynamics, 1952-53; Assistant Professor of Applied Mechanics, 1955-57; Associate Professor, 1957-64; Professor, 1961-66; Professor of Engineering Science, 1966-96; Professor Emeritus, 1996-.

Peter J Wylie, Ph.D., D.Sc.h.c., Professor of Geology, Emeritus
B.Sc. (Geology and Physics), Saint Andrews University (Scotland), 1952; B.Sc. (Geology), 1955; Ph.D., 1958; D.Sc.h.c., Saint Andrews University. Professor, Caltech, 1983-99; Professor Emeritus, 1999-. Chairman, Division of Geological and Planetary Sciences, 1983-87; Divisional Academic Officer, 1994-99.

Yuci Xu, Visiting Associate in Chemistry
B.S., Central South University, 2007; Ph.D., Fudan University, 2012. Caltech, 2016-17.

Changhuei Yang, Ph.D., Thomas G. Myers Professor of Electrical Engineering, Bioengineering, and Medical Engineering
B.S. (Electrical Engineering); B.S. (Physics), Massachusetts Institute of Technology, 1997; M.S.(Engineering), 1997; B.S. (Mathematics), 2002; Ph.D., 2001. Assistant Professor of Electrical Engineering, Caltech, 2003-04; Assistant Professor of Electrical Engineering and Bioengineering, 2004-09; Associate Professor, 2009-10; Professor, 2010-16; Myers Professor, 2016-.

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, 1966-74; Professor of Electrical Engineering and Applied Physics, 1974-79; Myers Professor, 1979-96; Summerfield Professor, 1996-.

Leeat Yariv, Ph.D., Professor of Economics
B.Sc., Tel-Aviv University, 1992; M.Sc., 1995; M.A., Harvard University, 2001; Ph.D., 2001. Visiting Assistant Professor, Caltech, 2004-05; Associate Professor, 2005-10; Professor, 2010-.

Nai-Chang Yeh, Ph.D., Professor of Physics;
Fletcher Jones Foundation Co-Director of the Kavli Nanoscience Institute
B.S., National Taiwan University, 1983; Ph.D., Massachusetts Institute of Technology, 1988. Assistant Professor, Caltech, 1989-93; Associate Professor, 1993-97; Professor, 1997-.; Fletcher Jones Foundation Co-Director of the Kavli Nanoscience Institute, 2013-.

Alexander (Sasha) Yom Din, Olga Taussky and John Todd Instructor in Mathematics
B.Sc., Haifa University, 2006; M.Sc., Tel Aviv University, 2010; Ph.D., 2016. Caltech 2016-19.

Hongtao Yu, Visiting Associate in Environmental Science and Engineering
Shaocai Yu, Visiting Associate in Chemical Engineering

Yisong Yue, Ph.D., Assistant Professor of Computing and Mathematical Sciences
B.S., University of Illinois, 2005; Ph.D., Cornell University, 2010. Caltech, 2014-.

Mary A Yui, Research Professor of Biology and Biological Engineering

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-.

Shekufeh Zareian, Visiting Associate in Biology and Biological Engineering

Zhongwen Zhan, Ph.D., Assistant Professor of Geophysics
B.S., University of Science and Technology of China, 2006; M.S., 2008; Ph.D., California Institute of Technology, 2013. Caltech, 2015-.

Tengren Zhang, Olga Taussky and John Todd Instructor in Mathematics

Gang Zhou, Sherman Fairchild Research Assistant Professor of Mathematics

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-.

Kai G Zinn, Ph.D., 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-.

Jonas Zmuidzinas, 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-; Senior Research Scientist, 2005-11; Director, 2007-11; Jet Propulsion Laboratory Chief Technologist, 2011-16.

Edwin Zschau, Lecturer in Engineering

Konstantin M Zuev, Lecturer in 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. Caltech 2011-13, 2015-19.

Jonas Zmuidzinas, 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-; Senior Research Scientist, 2005-11; Director, 2007-11; Jet Propulsion Laboratory Chief Technologist, 2011-16.

Edwin Zschau, Lecturer in Engineering

Konstantin M Zuev, Lecturer in 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. Caltech 2011-13, 2015-19.