Section Six

Trustees, Administration, Faculty
OFFICERS

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

Thomas F. Rosenbaum, President
David A. Tirrell, Provost

Matthew Brewer
Controller
Diana Jergovic
Vice President for Strategy Implementation
Brian K. Lee
Vice President for Development and Institute Relations
Sharon E. Patterson
Treasurer
Scott H. 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

Brigitte M. Bren (2009)
President and Chief Executive Officer
International Strategic Planning
Janet C. Campagna (2017)
Chief Executive Officer
QS Investors, LLC
David E. Chavez (2017)
John S. Chen (2008)
Executive Chairman of the Board and Chief Executive Officer
BlackBerry
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 (2011)
Co-Founder, Co-Chairman and Co-Chief Executive Officer
Canyon Partners, LLC
William T. Gross (1994)
Founder and CEO
Idealab
Narendra K. Gupta (2010)
Managing Director
Nexus Venture Partners
David D. Ho (1997)
Scientific Director and Chief Executive Officer
Aaron Diamond AIDS Research Center
Ann Stimmer 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.
Jon B. Kutler (2005)
Chairman and Chief Executive Officer
Admiralty Partners, Inc.

BOARD OF TRUSTEES

Trustees
(with date of first election)

Spencer Abraham (2016)
Chairman and Chief Executive Officer
The Abraham Group LLC
William H. Ahmanson (2017)
President
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
Belio Capital, LLC
Sabeer Bhatia (2016)
Chief Executive Officer and Co-Founder
Sabse Technologies, Inc.
Taylor W. Lawrence (2017)
President
Raytheon Missile Systems
Raytheon Company
David Li Lee (2000)
Managing General Partner
Clarity Partners, L.P.
Li Lu (2018)
Founder and Chairman
Himalaya Capital Management, LLC
Alexander Lidow (1998)
Chief Executive Officer
EPC Corporation
Andrew N. Liveris (2013)
Former Chairman and CEO
The Dow Chemical Company
Mich J. Mathews-Spradlin (2016)
Deborah D. McWhinney (2007)
Former Chief Executive Officer
Citi Enterprise Payments
Citi Bank
Mr. Alexander R. Mehran, Sr. (2017)
Chairman of the Board
Sunset Development Company
Kenneth G. Moore (2014)
Director of Bay Area Portfolio and Trustee
Gordon and Betty Moore Foundation
Philip M. Neches (1995)
President and Chief Executive Officer
Allergan
Eduardo A. Repetto (2015)
Former Co-Chief Executive Officer and Co-Chief Investment Officer
Dimensional Fund Advisors
Thomas F. Rosenbaum (2014)
President
Sonja and William Davidow Presidential Chair and Professor of Physics
California Institute of Technology
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. Tawee (2012)
Chairman
Asurion
David W. Thompson (2012)
President and Chief Executive Officer (Retired)
Orbital ATK
Richmond A. Wolf (2018)
Partner
Capitol World Investors

Senior Trustees
(with date of first election and date of election as Senior Trustee)
Managing Director
Coastview Capital
Senior Partner
Sentinel HS Group, LLC
Lynn A. Booth (2011)
The Otis Booth Foundation
Managing Director
Incubic Venture Capital
Founding Partner
Mohr Davidow Ventures
B. Kipling Hagopian (2012, 2013)
Managing Partner
Apple Oaks Partners
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)
Chair Emeritus
Chairman Emeritus
Northrop Grumman Corporation
Independent Investor;
Chair, The Ronald and Maxine Linde Foundation;
Founder/Former Chief Executive Officer,
Envirodyne Industries, Inc.

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

Shirley M. Malcom (1999, 2018)
Director, Education and Human Resources Programs
American Association for the Advancement of Science

Founder and Chief Executive Officer
Heritage Provider Network

Executive Chairman
Ciena Corporation

Norton Family Office

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

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

Founder and Former Chief Executive Officer
Trimble Navigation Ltd.

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

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

Nonprofit Consultant

Corporate Governance Consultant

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

President Emeritus

Treasurer
Sherman Fairchild Foundation, Inc.

Walter Burke (1975, 2009)

Harry M. Conger (1985, 2006)
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, Incorporated

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

Managing Director
Winbridge Company Ltd.

Chair Emeritus

Chairman and Chief Executive Officer (Retired)
Getty Oil Company

Principal
Arthur Rock and Company

Benjamin M. Rosen (1986, 2005)
Chair Emeritus

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

Chairman
The TCW Group, Inc.

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

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

Senior Director of Bechtel Group, Inc.
Bebtel Group, Inc.

Chairman of the Board
Irvine Company

Board of Trustees
Standing Committees


Conflict Review Subcommittee—R. C. Bonner, Chair ex officio; R. B. Chess, J. B. Butker, R. K. Linde, P. M. Neches, P. Norton, S. R. Onderdonk; Advisory Member: V. D. Stratman


Executive Compensation Committee—R. K. Linde, Chair; A. Lidow, Vice Chair; T. W. Lawrence, D. L. Lee*, S. M. Malcom, P. M. Neches, W. L. Weisman; Advisory Members: J. M. McCallin, T. F. Rosenbaum


Jet Propulsion Laboratory Committee—J. B. Butker, Chair; B. M. Barrett, Vice Chair; S. Abraham, S. Bailey, R. C. Bonner, D. E. Chavez, D. T. Dreier, L. M. Dyer, T. E.* ex officio member

Trustees, Administration, Faculty


* ex officio member

ADMINISTRATIVE OFFICERS

Kaushik Bhattacharya
Vice Provost
Jin Chang
Chief Information Officer
James W. Cowell, Jr.
Associate Vice President for Facilities
Frederic Farina
Chief Innovation and Corporate Partnerships Officer
Richard F. Flagan
Chair of the Faculty
Kevin M. Gilmartin
Dean of Undergraduate Students
Kenneth Hargreaves
Assistant Vice President Strategy Implementation
Larry D. James
Deputy Director
Jet Propulsion Laboratory

Thomas F. Rosenbaum
President
David A. Tirrell
Provost

Administrative Officers
Diana Jergovic
Vice President for Strategy
Implementation

Farnaz Khadem
Chief Strategic Communications Officer

Pamela D. Koyzis
Associate Vice President of Audit Services and Institute Compliance

Brian K. Lee
Vice President for Development and Institute Relations

Jennifer T. Lum
Deputy General Counsel

Julia M. McCallin
Associate Vice President for Human Resources

Valerie A. Otten
Associate Vice President of Development

Sharon E. Patterson
Associate Vice President for Finance and Treasurer

Douglas C. Rees
Dean of Graduate Studies

Scott H. Richland
Chief Investment Officer

Carol J. Schuil
Executive Assistant to the President, and Assistant Secretary, Board of Trustees

Richard P. Seligman
Associate Vice President, Research Administration

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, Board of Trustees

Cindy A. Weinstein
Vice Provost

Chairs of Divisions
Jacqueline K. Barton
Chemistry and Chemical Engineering

John P. Grotzinger
Geological and Planetary Sciences

Fiona A. Harrison
Physics, Mathematics and Astronomy

Stephen L. Mayo
Biology and Biological Engineering

Guruswami Ravichandran
Engineering and Applied Science

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]—(Reports to the Vice Provost for Research)—R. A. Andersen, Chair, M. Meister, Vice Chair; J. Brackman, J. Gumer (alternate), L. C. Hsieh-Wilson, K. C. Lencioni*, C. Lois (alternate), D. J. Mayo*, A. Ondrus (alternate), L. E. Quenee*, J. Scapa*, C. W. Scislowicz* (alternate), R. P. Seligman* (alternate), P. Vaishampayan, Advisor: V. D. Stratman (or her designee)


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; K. Bhattacharya*, G. K. Chan, J. Chang*, T. Colonius, M. Goulet‡, G. J. Jensen, S. E. Patterson, T. Port‡, M. S. Shum, A. F. Thompson


Environmental Health and Safety (Reports to the President)—D. A. Tirrell, Chair; K. Bhattacharya, J. W. Cowell‡, P. D. Koyzis*, C. Scislowicz*, J. E. Shepherd, M. Steurbaut

Institute Academic Council (IACC)—David A. Tirrell, Chair; J. K. Barton, J. P. Grotzinger, F. Harrison, S. L. Mayo, G. Ravichandran, T. F. Rosenbaum, J-L Rosenthal


Institute Art (Reports to the President)—T. Schneider, Chair; J-P Avouac, J. Buchwald, E. Chuan, P. Collopy*, T. Davis*, M. Elowitz, K. T. Faber, K. Hargreaves*, D. Kremers, M. Lewis, S. Mu, D. Nelson, P. Perona

President’s Diversity Council—(Reports to the President through the Provost)—B. Stolz*, Interim Chair; J. Barton, W. M. Clemons, Jr., A. Emami, V. J. Orphan, G. Refael, J-L Rosenthal, N. Wey-Gomez, B. Wold


Radiation Safety (Reports to the Vice President of Administration and Chief Financial Officer)—D. S. Burnett, Chair; B. W. Filippone, Vice Chair: H. Issaian*, W. L. Johnson, A. Kumagai, C. Scislowicz*, S. Shan

SURF (Reports to the Provost)—R. Murray, Chair; G. Blake, M. Bronner, D. Crewell*, K. M. Gilmartin*, M. Gonzalez*, E. Mantovan, A. Ponce, M. B. Robbins*, C. Rypisi*, B. Stolz, T. Tisch*

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

FACULTY OFFICERS AND COMMITTEES 2018–19

Officers
Chair: M. Spiropulu, 2020
Vice Chair: G. A. Blake, 2020
Secretary: R. M. Murray, 2019

Faculty Board
D. Asimaki, 2019
P. D. Asimow, 2019
J. M. Austin, 2020
S. Bordoni, 2020
T. K. Dennison, 2021
M. H. Dickinson, 2021
C. Jurca, 2020
J. A. Katz, 2020
H. A. Knutson, 2020
J. A. Kornfield, 2021
T. F. Miller, 2019

Faculty Officers and Committees
O. J. Painter, 2019
D. Ramakrishnan, 2020
G. R. Rossman, 2019
E. Rothenberg, 2021
B. M. Stoltz, 2021
D. Y. Tsao, 2019
A. Wierman, 2021

**Trustees, Administration, Faculty**

**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**
M. Spiropulu, Chair, 2020
G. A. Blake, Vice Chair, 2020
R. M. Murray, Secretary, 2019
P. D. Asimow, 2019
K. Bhattacharya*
T. K. Dennison, 2019
E. Rothenberg, 2019
B. M. Stoltz, 2019
D. A. Tirrell*
C. A. Weinstein*
A. Wierman, 2019

**Academic Freedom and Tenure**
L. Hillenbrand, 2019
C. Jurca, 2020
H. A. Lester, 2019
E. Mantovan, 2020
A. J. Minnich, 2020
J. M. Stock, 2020

**Academic Policies**
C. S. Parker, Chair, 2021
M. Agranov, 2021
B. Hassibi, 2021
E. Meyerowitz, 2020
A. L. Sessions, 2020

**Athletics and Physical Education**
T. K. Dennison, Chair, 2019
J. C. Doyle, 2020
B. W. Filippone, 2020
P. T. Hoffman, 2019
J. Kirschvink, 2019
T. F. Miller, 2021
L. Mitchell*
D. Y. Tsao, 2021
J. Whitney*

**Convocations**
W. C. Brown, Chair, 2020
K. M. Gilmartin*
L. C. Hsieh-Wilson, 2021
D. Prober, 2019
D. C. Rees*
P. Schroeder, 2019
N-C. Yeh, 2020

**Core Curriculum Steering**
M. Okumura, Chair, 2021
F. M. Echenique, 2020
M. Flach, 2020
K. M. Gilmartin*
M. L. Hunt, 2021
N. R. Hutzler, 2021
C. Jurca, 2020
C. Salinas*
A. Wierman, 2021
K. G. Zinn, 2019

**Curriculum**
A. J. Weinstein, Chair, 2019
T. Agapie, 2021
R. W. Clayton, 2019
K. M. Gilmartin*
D. I. Meiron, 2020
L. S. Pachter, 2020
E. S. Phinney, 2019
C. Salinas*

**Committee on Exchange Programs and Study Abroad (CEPSA)**
H. B. Newman, Chair, 2021
J. F. Adkins, 2021
T. Agapie, 2021
C. Daraio, 2020
M. Desbrun, 2019
M. D. Dykstra, 2021
J. P. O'Doherty, 2019
Historical Sketch

I. Peter, 2020
C. Salinas*
L. B. Stolper*

Foreign Students and Scholars
A. Hoelz, Chair, 2021
Y. Abu-Mostafa, 2021
S. Bordoni, 2019
C. Daraio, 2021
A. Rangel, 2020
A. G. Siapas, 2020
I. Smith*

Freshman Admissions
P. D. Asimow, Chair, 2019
M. Aschbacher, 2019
D. C. Chan, 2020
G. A. George, 2019
N. H. Katz, 2020
J. A. Kornfield, 2021
J. R. Leadbetter, 2021
K. G. Libbrecht, 2020
S. R. Quartz, 2019
S. Shimojo, 2020
P. P. Vaidyanathan, 2021
D. P. Weitekamp, 2021
J. Whitney*

Graduate Studies
B. Fultz, Chair
A. D. Ames*
R. W. Clayton*
W. M. Clemons*
T. Colonius*
K. P. Giapis*
N. Gilmore (non-voting)
B. A. Hay*
L. Hillenbrand*
N. Lapusta*
D. I. Meiron*
M. Meister*
Y. Ni*
O. J. Painter*
T. R. Palfrey*
A. Rangel*
D. C. Rees*
P. Schroeder*
A. G. Siapas*
B. M. Stoltz*
A. F. Thompson*
T. G. Vidick*
E. Winfree*
C. Yang*
Y. Yue*
J. Zmuidzinas*
*ex officio member

Health
H. A. Lester, Chair, 2019
A. Barr, 2019
F. Eberhardt, 2020
K. M. Gilmartin*
S. Golwala, 2021
J. L. Howes*
J. M. McCallin*
B. Mitchell*
N. A. Pierce, 2019
D. C. Rees*
J. Y. Tsai*

Institute Programs
J. R. Greer, Chair, 2020
B. Brophy*
C. A. Hunter, 2019
A. P. Ingersoll, 2019
J. M. Jackson, 2019
B. K. Lee*
A. J. Minnich, 2021

Library
V. C. Tsai, Chair, 2020
W. A. Goddard, 2019
A. N. Kapustin, 2021
A. J. Minnich, 2020
L. S. Pachter, 2020
N. Wey-Gomez, 2019

Membership and Bylaws
G. A. Blake, Chair, 2020
K. C. Border, 2019
D. C. Chan, 2019
M. Effros, 2021
N. S. Lewis, 2019
R. M. Murray*
B. P. Wernicke, 2021

Nominating
T. F. Miller, Chair, 2019
J. F. Alicea, 2019
C. Jurca, 2019
H. A. Knutson, 2019
R. M. Murray*
N. A. Pierce, 2019
S. Shan, 2019
J. A. Tropp, 2019

**Patents and Relations with Industry**
M. L. Roukes, Chair, 2021
K. P. Giapis, 2019
R. F. Ismagilov, 2021
S. H. Low, 2019
S. Mazmanian, 2020
N. A. Pierce, 2020
K. J. Vahala, 2020

**Scholarships and Financial Aid**
F. Eberhardt, Chair, 2021
P. D. Asimow*
G. Blanquart, 2020
D. Crewell*
K. M. Gilmartin*
C. S. Parker, 2021
S. Shimojo, 2019
J. Whitney*

**Student Life and Housing**
K. C. Border, Chair, 2021
A. Aravin, 2020
A. H. Barr, 2020
J. L. Beauchamp, 2019
K. M. Gilmartin*
T. N. Mannion (non-voting)
B. Mitchell*
R. B. Patterson, 2021
D. C. Rees*
V. C. Tsai, 2020

**Undergraduate Academic Standards and Honors**
D. P. Weitekamp, Chair, 2019
J. P. Ampuero Saenz, 2019
P. M. Bellan, 2019
J. F. Brady, 2019
W. C. Brown, 2020
X. Chen, 2021
M. Desbrun, 2021
K. M. Gilmartin*
R. B. Patterson, 2021
C. Salinas*

---

**Upperclass Admissions**
D. Asimaki, Chair, 2019
B. W. Filippone, 2021
J. A. Jahner, 2019
M. P. Lamb, 2019
S. H. Low, 2019
B. J. McKeon, 2019
T. F. Miller, 2019
C. Salinas*
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.
Seymour Benzer Professor of Biology; Tiangiao and Chrissy Chen Institute for Neuroscience Leadership Chair; Director, Tiangiao and Chrissy Chen Institute for Neuroscience
Alexei A. Aravin, Ph.D.
Biology

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

David Baltimore, Ph.D., D.Sc.h.c., D.Phil.h.c., Nobel Laureate
Robert Andrews Millikan Professor of Biology
Pamela Bjorkman, Ph.D.
Centennial Professor of Biology
Marianne Bronner, Ph.D.
Albert Billings Ruddock Professor of Biology
Long Cai, Ph.D.
Biology and Biological Engineering
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

1 Joint appointment with Howard Hughes Medical Institute

Biology and Biological Engineering
Assistant Professors

Mitchell Guttman, 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; Investigator, Heritage Medical Research Institute

David Van Valen, Ph.D.
Biology and Biological Engineering

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

Kaihang Wang, Ph.D.
Biology and Biological Engineering

Senior Research Associate Emeriti

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

Lecturers

Brooke Anderson, M.S., M.A.
Justin Bois, Ph.D.
Lindsay Bremner, Ph.D.
Andres Collazo, Ph.D.
Julie Hoy, Ph.D.
Danny Petrasek, M.D., Ph.D.
Carol Chace Tydell, D.V.M.

Research Professors

Katalin Fejes Toth, M.D., Ph.D.
Akiko Kumagai, Ph.D.
Carlos Lois, M.D., Ph.D.
Isabelle S. Peter Lashgari Faghi, Ph.D.
Daniel A. Wagenaar, Ph.D.
Mary An-yuan Yui, Ph.D.

Senior Faculty Associate

Alice S. Huang, Ph.D.

Moore Distinguished Scholar

Arup K. Chakraborty, Ph.D.

Visiting Associates

Takuya Akashi, Ph.D.
Clare Baker, Ph.D.
Elaine L. Bearer, Ph.D., M.D.
William L. Caton III, M.D.
Raymond Deshaies, Ph.D.
Scott Fraser, Ph.D.
Jordi Garcia-Ojalvo, Ph.D.
Elizabeth E. Glater, Ph.D.
Ingileif Bryndis Hallgrimsdottir, Ph.D.
Elaine Hsiao, Ph.D.
Brian Lee, M.D., Ph.D.
Carmel Levitan, Ph.D.
Charles Liu, M.D., Ph.D.
John P. McCurcheon, Ph.D.
Eric Mjolsness, Ph.D.
Norman R. Pace, Ph.D.
Animesh Ray, Ph.D.
Carol W. Readhead, Ph.D.
Carnie Puckett Robinson, M.D.
Ian Ross, M.D.
Ueli Rutishauser, Ph.D.
Mohammad Hassan Abdelrahman
Shehata, Ph.D.
Tsu-Te Judith Su, Ph.D.
Takashi Suegami, Ph.D.
Armand R. Tanguay, Ph.D.
Tarciso Velho, Ph.D.
Wei-Li Wu, Ph.D.
Shekufeh Zareian, Ph.D.

Members of the Professional Staff

Tyson Aflalo, Ph.D.
Igor Antoshechkin, Ph.D.
L. Elizabeth Bertani, Ph.D.
Stijn Cassenaer, Ph.D.
Siyu Chen, Ph.D.
Vasileios N. Christopoulos, Ph.D.
Bruce Cohen, Ph.D.
Andres Collazo, Ph.D.
Rochelle A. Diamond, B.A.
Spencer Kellis, Ph.D.
Ali Khoshnan, Ph.D.
Evgueniy V. Lubenov, Ph.D.

Biology and Biological Engineering
Senior Postdoctoral Scholars

Sreeram Balasubramanian, Ph.D.
Megan Bergkessel, Ph.D.
Shun Jia Chen, Ph.D.
Brian J. Duistermars, Ph.D.
Stephen A. Green, Ph.D.
Hiroyuki Hosokawa, Ph.D.
Collin Kieffer, Ph.D.
Daniel Allen Lee, Ph.D.
Devdoot Majumdar, Ph.D.
Mati Mann, Ph.D.
Lam Nguyen, Ph.D.
Grigorios Oikonomou, Ph.D.
Maria Papadopoulou, Ph.D.
Hillel Schwartz, Ph.D.
Gil Sharon, Ph.D.
Chun-Shik Shin, Ph.D.
Chanpreet Singh, Ph.D.
Beth Stadtmueller, Ph.D.
Grigory Tikhomirov, Ph.D.
Moriel Zelikowsky, Ph.D.

Postdoctoral Scholars

Michael Abrams, Ph.D.
Eldad Afik, Ph.D.
Zsuzsa Akos, Ph.D.
Maria Ashaber, Ph.D.
Amjad Askary, Ph.D.
Stefan Badelt, Ph.D.
Namrata Bali, Ph.D.
Pinglei Bao, Ph.D.
Christopher Barnes, Ph.D.
Luke Bashford, Ph.D.
Selvan Bavan, Ph.D.
Amir H. Bebhahani, Ph.D.
Brittany Belin, Ph.D.
Nathan M. Belliveau, Ph.D.
Kalol Bera, Ph.D.
Christopher Charles Berger, Ph.D.
Mario Blanco, Ph.D.
Adrian Brueckner, Ph.D.
Mark Budde, Ph.D.
Elsy C. Buitrago Delgado, Ph.D.
Mengyi Cao, Ph.D.
Stephen Carter, Ph.D.
Yogaditya Chakrabarty, Ph.D.

Collin Challis, Ph.D.
Rosemary Challis, Ph.D.
Chun-Hao Chen, Ph.D.
Anjalika Chongtham, Ph.D.
George Cheeifi, Ph.D.
Matthew Q. Clark, Ph.D.
Aaron Thomas Coey, Ph.D.
Roman A. Corfas, Ph.D.
Kurt M. Dahlstrom, Ph.D.
Rajib Das-Gupta Schubert, Ph.D.
Sarah J.K. Denny, Ph.D.
William DePas, Ph.D.
Gilberto Desalvo, Ph.D.
Bradley Dickerson, Ph.D.
Fangyuan Ding, Ph.D.
Gregory Donaldson, Ph.D.
Kristina Verena Dylla, Ph.D.
Haruka Ebisu, Ph.D.
Christopher J. Fiorese, Ph.D.
Katherine Irene Fisher, Ph.D.
Andrew Flyak, Ph.D.
Kirsten Frieda, Ph.D.
Xiaojing Gao, Ph.D.
Cody Geary, Ph.D.
Jase Andrew Gehring, Ph.D.
Ysabel Giraldo, Ph.D.
Nicholas Scott Goeden, Ph.D.
Walter Gabriel Gonzalez, Ph.D.
Alejandro Adrian Granados Castro, Ph.D.
Leopold N. Green, Ph.D.
Alon Grinbaum, Ph.D.
Harry Gristick, Ph.D.
Livia Hecke Morais, Ph.D.
Graham Heimberg, Ph.D.
Ulrich Herget, Ph.D.
Shao-Min Hung, Ph.D.
Erica Hutchins, Ph.D.
Joanna Jachowicz, Ph.D.
Min Jee Jang, Ph.D.
Shuai Jiang, Ph.D.
Alok Joglekar, Ph.D.
Anat Kahan, Ph.D.
Mohammed Kaplan, Ph.D.
Tomomi Karigo, Ph.D.
Ann Kennedy, Ph.D.
Theodora Koromila, Ph.D.
Ezgi Kunttas-Tatli, Ph.D.
Katherine J. Leitch, Ph.D.
Guideng Li, Ph.D.
Lingyun Li, Ph.D.
Pulin Li, Ph.D.
Ting Li, Ph.D.
Wei Li, Ph.D.
Yatang Li, Ph.D.
Yuwei Li, Ph.D.
Yihan Lin, Ph.D.
Theodore Lindsay, Ph.D.
Lu Liu, Ph.D.
Francisco Luongo, Ph.D.
Ke Lyu, Ph.D.
Frank Macabenta, Ph.D.
Shrawan Mageswaran, Ph.D.
Vishal Maingi, Ph.D.
Megan Marnik, Ph.D.
Tara Mastro, Ph.D.
Artem V. Menykov, Ph.D.
Lauren Ann Metzskas, Ph.D.¹
Erick Moen, Ph.D.
Georg Moutountafaris, Ph.D.
Matthew J. Mulcahy, Ph.D.
Brittany D. Needham, Ph.D.
Simon Neubauer, Ph.D.
Susan Newcomb, Ph.D.
Hon Man Alex Ng, Ph.D.
Thang Van Nguyen, DVM, Ph.D.
William Nicholas, Ph.D.¹
Aaron L. Nichols, Ph.D.
Maria Ninova, Ph.D.
Sumner Norman, Ph.D.
Vasileios Ntranos, Ph.D.
Georg Oberhofer, Ph.D.
Noah Ollikainen, Ph.D.
Saidhbhe L. O’Riordan, Ph.D.
Davi Ortega Ribeiro, Ph.D.
Nicolas Pelaez Restrepo, Ph.D.
Michael Louis Piacentino, Ph.D.
Tino Pleiner, Ph.D.
Michal Polonsky, Ph.D.
Allan Herman Pool, Ph.D.
Ignat Printsev, Ph.D.
Mu Qiao, Ph.D.
Lisa Racki, Ph.D.
Gustavo Rios, Ph.D.
John Elliott Robinson, Ph.D., M.D.
Ivo Ros, Ph.D.
Yuan Ruan, Ph.D.¹
Satya Prakash Rungta, Ph.D.
Sofia Sakellardi, Ph.D.
Timothy Sampson, Ph.D.
Luis Oscar Sanchez Guardado, Ph.D.
Henry L. Schreiber IV, Ph.D.
Liang She, Ph.D.
Anil Kumar Shukla, Ph.D.
Melanie A. Spero, Ph.D.
Vincent Andrew Stepanik, Ph.D.
Poorna Subramanian, Ph.D.¹
Jingjing Sun, Ph.D.
Sai Sun, Ph.D.
Calle Valentine Svensson, Ph.D.
Akshay Tambe, Ph.D.
Qing Tang, Ph.D.
Yusuke Tomina, Ph.D.
Huy Ngoc Steven Tran, Ph.D.
Jennifer Treweek, Ph.D.
Jonathan Exiquio Valencia, Ph.D.
Bo Wang, Ph.D.
Han Wang, Ph.D.
Brandon Weissbourd, Ph.D.¹
Joseph Wekselblatt, Ph.D.
Jin Xu, Ph.D.
Takako Yamamoto (Ichiki), D.D.S., Ph.D.
Qing Yao, Ph.D.
Hanako, Yashiro, Ph.D.
An Zhang, Ph.D.
Carey Zhang, Ph.D.
Jun Zhang, Ph.D.
Lujia Zhang, Ph.D.
Rong Wei Zhang, Ph.D.
Wei Zhao, Ph.D.
Yuan Zhao, Ph.D.

Visitors

Libera Berghella, Ph.D.
Andrea Cerase, Ph.D.
Daria Esvunina, Ph.D.
Constantine Evans, Ph.D.
Danielle Grotjahn, Ph.D.
Jan Kaminski, Ph.D.
Rajan Kulkarni, Ph.D.
Anton Kuzmenko, Ph.D.
John Brian McManus, Ph.D.
Jasna Markovac, Ph.D.
Alex Nisthal, Ph.D.
David J. Sherman, Ph.D.
Amol V. Shivange, Ph.D.
Noelle Stiles, Ph.D.
Julius Tsu-Li Su, Ph.D.
Wei Yuan Yang, Ph.D.
Division of Chemistry and Chemical Engineering

Jacqueline K. Barton, Norman Davidson Leadership Chair
John F. Brady, Executive Officer for Chemical Engineering
Sarah Reisman, Executive Officer for Chemistry
Shu-ou Shan, Executive Officer for Biochemistry and Molecular Biophysics

Professors Emeriti

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

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

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

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

George R. Gavalas, Ph.D.
Chemical Engineering

Vincent McKoy, Ph.D.
Theoretical Chemistry

Professors

Theodor Agapie, Ph.D.
Chemistry

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

Jacqueline K. Barton, Ph.D., D.Sc.h.c., D.L.h.c.
John G. Kirkwood and Arthur A. Noyes Professor of Chemistry; Norman Davidson Leadership Chair, Division of Chemistry and Chemical Engineering

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

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

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

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

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

William C. Clemons, Ph.D.
Biochemistry

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

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

Dennis A. Dougherty, Ph.D.
George Grant Hoag Professor of Chemistry, Director of the Beckman Institute

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

Gregory C. Fu, Ph.D.
Altair Professor of Chemistry

Konstantinos P. Giapis, Ph.D.
Chemical Engineering

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

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

Robert H. Grubbs, Ph.D., Nobel Laureate

Victor and Elizabeth Atkins Professor of Chemistry

Andre Hoelz, Ph.D.
Chemistry

Linda C. Hsieh-Wilson, Ph.D.
Chemistry

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

Julia Kornfield
Chemical Engineering

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

Trusted, Administration, Faculty
Rudolph A. Marcus, Ph.D., D.Sc.h.c., Fil.Dr.h.c., D.h.c., Nobel Laureate
Chemistry
Stephen L. Mayo, Ph.D.
Bren Professor of Biology and Chemistry, William K. Bowles Jr.
Leadership Chair, Division of Biology and Biological Engineering
Thomas F. Miller III, Ph.D.
Chemistry
Mitchio Okumura, Ph.D.
Chemical Physics
Carl S. Parker, Ph.D.
Biochemistry
Jonas C. Peters, Ph.D.
Bren Professor of Chemistry, Director of the Resnick Sustainability Institute
Douglas C. Rees, Ph.D.¹
Roscoe Gilkey Dickinson Professor of Chemistry, Dean of Graduate Studies
Sarah E. Reisman, Ph.D.
Chemistry, Executive Officer for Chemistry
John H. Seinfeld, Ph.D., D.Sc.h.c.
Louis E. Nohl Professor and Professor of Chemical Engineering
Shu-ou Shan, Ph.D.
Chemistry, Executive Officer for Biochemistry and Molecular Biology
Brian M. Stoltz, Ph.D.
Chemistry
David A. Tirrell, Ph.D., D.h.c.
Ross McCollum–William H. Corcoran Professor and Professor of Chemistry and Chemical Engineering, Provost
Zhen-Gang Wang, Ph.D.
Lawrence A. Hanson Jr. Professor of Chemical Engineering
Daniel P. Weitekamp, Ph.D.
Chemical Physics
¹ Joint appointment with Howard Hughes Medical Institute

Assistant Professors
Scott K. Cushing, Ph.D.
Chemistry
Ryan G. Hadt, Ph.D.
Chemistry
Alison E. Ondrus, Ph.D.
Chemistry
Maxwell J. Robb, Ph.D.
Chemistry
Kimberly A. See, Ph.D.
Chemistry
Mikhail G. Shapiro, Ph.D.
Chemical Engineering
Lu Wei, Ph.D.
Chemistry

Lecturers
Kevin Barraza, Ph.D.
Chemistry
Kathryn Bikle, M.A.
Chemistry
Jeffrey Mendez, Ph.D.
Chemistry
Michael Takase, Ph.D.
Chemistry
Scott Virgil, Ph.D.
Chemistry
Michael Vicic, Ph.D.
Chemical Engineering
Jay Winkler, Ph.D.
Chemistry

Faculty Associates
Jay A. Labinger, Ph.D.
Chemistry
Jay R. Winkler, Ph.D.
Chemistry

Visiting Associates
Nayef Masned Alsaifi, Ph.D.
Chemical Engineering
Peng Bao, Ph.D.
Chemistry
Yi-Chun Chen, Ph.D.
Chemical Engineering
Alessandro Fortunelli, Ph.D.
Chemistry
Zeev Gross, Ph.D.
Chemistry
Zheng Guo, Ph.D.
Chemical Engineering
Michael Hill, Ph.D.
Chemistry
James B. Howard, Ph.D.
Chemistry
Yousung Jung, Ph.D.
Chemistry
Paul La Porte, Ph. D.
Chemical Engineering

Leon Reubsaat, Ph.D.
Chemistry

Xin Wen, Ph.D.
Chemistry

Pernilla Wittung-Stafshede, Ph.D.
Chemistry

Shaocai Yu, Ph.D.
Chemical Engineering

Members of the Beckman Institute

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

Members of the Professional Staff

Suresha Guptha, M.S.
Chemical Engineering

Lawrence R. Henling, M.S.
Chemistry

Sonjong Hwang, Ph.D.
Chemistry

Jay Labinger
Chemistry

Boris Merinov, Ph.D.
Chemistry

Mona Shahgholi, Ph.D.
Chemistry

David Vander Velde, Ph.D.
Chemistry

Senior Postdoctoral Scholar

Christopher Bley

Postdoctoral Scholars

Tonia Ahmed, Ph.D.
Stavros Amanatidis, Ph.D.
Joshua Baccile, Ph.D.
Gwendolyn Bailey, Ph.D.
Emma Baker-Tripp, Ph.D.
Phillip Bartels, Ph.D.
Avinoam Bar Zion, Ph.D.
Suzanne Batiste, Ph.D.
Christina Boville, Ph.D.
Oliver F. Brandenberg, Ph.D.
Katharina Brinkert, Ph.D.
Trixia Buscagam, Ph.D.
Miguel Caban-Acevedo, Ph.D.
Zhi Chao Cao, Ph.D.
Marchello Cavitt, Ph.D.
Huikuan Chao, Ph.D.
Caiyou Chen, Ph.D.
Leanne Chen, Ph.D.
Hyun Ju Cho, Ph.D.
Cooper Citek, Ph.D.
Yingxin Deng, Ph.D.
Markus Dick, Ph.D.
Feizhi Ding, Ph.D.
Jaika Doerfler, Ph.D.
Walter Marcus Drover, Ph.D.
Julian Edwards, Ph.D.
Levi Ekanger, Ph.D.
Irina Geibel, Ph.D.
Anna Gres, Ph.D.
Reza Haghsenas, Ph.D.
Sangil Han, Ph.D.
Luke E. Hanna, Ph.D.
Jian He, Ph.D.
Po Hung Hsieh, Ph.D.
Xiaoran Hu, Ph.D.
Huiqian Huang, Ph.D.
Xiongyi Huang, Ph.D.
Haohua Huo, Ph.D.
Zhijun Jia, Ph.D.
Jian Jiang, Ph.D.
Amelie Joffrin, Ph.D.
Sek-Bik Jennifer Kan, Ph.D.
Nirit Kantor Uriel, Ph.D.
Eugenia Khorosheva, Ph.D.
Patrycja Kielb, Ph.D.
Jeong Hoon Ko, Ph.D.
Sandra Koenig, Ph.D.
Joshua Kretchmer, Ph.D.
Sankarganesh Krishnamoorthy, Ph.D.
Martin Kunth, Ph.D.
Sebastian Lackner, Ph.D.
Carolyn Ladd, Ph.D.
Henrik Larsson, Ph.D.
Joanne Yee Jin Lau, Ph.D.
Heejun Lee, Ph.D.
Dana Levine, Ph.D.
Zhen dong Li, Ph.D.
Meng Lin, Ph.D.
Xiaoyu Liu, Ph.D.
Yumeng Liu, Ph.D.
Jiao zhi Lu, Ph.D.
Marcella Lusardi, Ph.D.
James McClain, Ph.D.
Xiang Ma, Ph.D.
Amirhossein Mafi, Ph.D.
Ioan Bogdan Magdau, Ph.D.
Stewart Mallory, Ph.D.
David Maresca, Ph.D.
Andrew Martinolich, Ph.D.
David Miller, Ph.D.
George Mobbs, Ph.D.
Octavio Mondragon Palomino, Ph.D.
Mario Motta, Ph.D.
Stephen Munoz, Ph.D.
Yasuaki Nakayama, Ph.D.
Adela Nano, Ph.D.
Saber Naserifar, Ph.D.
Si Nie, Ph.D.
Michiel Niesen, Ph.D.
Elizabeth O’Brien, Ph.D.
Nitin Jalindar Pawar, Ph.D.
Thibaud Perriches, Ph.D.
Artem Pulkin, Ph.D.
Rahul Purohit, Ph.D.
Chenxi Qian, Ph.D.
Ushnish Ray, Ph.D.
Carlos Gabriel Read Rodriguez, Ph.D.
Matthias Richter, Ph.D.
Nadia Riera Faraone, Ph.D.
Michael Rombola, Ph.D.
David Kingsland Romney, Ph.D.
Jorge Alonso Rosas Hernandez, Ph.D.
Dipanjan Samanta, Ph.D.
Brian Sanders, Ph.D.
Henry Schurkus, Ph.D.
Carl Sedgeman, Ph.D.
Naima G. Sharaf, Ph.D.
Linhan Shen, Ph.D.
Hyeyoung Shin, Ph.D.
Manar Shoshani, Ph.D.
Philip Shushkov, Ph.D.
Alexander Rigel Siegel, Ph.D.
Seunghyun Sim, Ph.D.
Burton Simpson, Ph.D.
Chang Yun Son, Ph.D.
Justin Yun-Pin Su, Ph.D.
Hidehiro Suematsu, Ph.D.
Jerzy Olgierd Szablowski, Ph.D.
Arnaud Thevenon, Ph.D.
Aye Thinn, Ph.D.
Lei Wang, Ph.D.
Zhaobin Wang, Ph.D.
Matthew Welborn, Ph.D.
Eric Welin, Ph.D.
Julian West, Ph.D.
Alec White, Ph.D.
William Wolf, Ph.D.
Yan Xu, Ph.D.
Kumiko Yamamoto, Ph.D.
Yang Yang, Ph.D.
Zepeng Yang, Ph.D.
Haolin Yin, Ph.D.
Sangjin Yoo, Ph.D.
Pengfei Zhang, Ph.D.
Xinxing Zhang, Ph.D.
Aoshu Zhong, Ph.D.
Tianyu Zhu, Ph.D.

Visitors

Michael Bartberger, Ph.D.
Chemistry
Wei-Chen Chen, Ph.D.
Chemistry
Masanari Hirahara, Ph.D.
Chemistry
Bryan Hunter, Ph.D.
Chemistry
Zuleikha Kurji, Ph.D.
Chemistry
Smaranda Marinescu, Ph.D.
Chemistry
Ricardo Matute, Ph.D.
Chemistry
Joshua Palmer, Ph.D.
Chemistry
Shunsuke Sato, Ph.D.
Chemistry
Valerie Scott, Ph.D.
Chemistry
Karn Sorasaenee, Ph.D.
Chemistry
Eric Stemp, Ph.D.
Chemistry
Jau Huei Tang, Ph.D.
Chemistry
Andrew Udit, Ph.D.
Chemistry
Mitsutaro Umehara, Ph.D.
Chemistry
Yun Yen, Ph.D.
Chemistry
Keiko Yokoyama, Ph.D.
Chemistry
Changjun Yu, Ph.D.
Chemistry
Ted Yu, Ph.D.
Materials Science
Division of Engineering and Applied Science

Guruswami Ravichandran, Otis Booth Leadership Chair
Christopher M. Umans, EAS Division Deputy Chair
José E. Andrade, Cecil and Sally Drinkward Leadership Chair, Executive Officer for Mechanical and Civil Engineering
Azita Emami, Executive Officer for Electrical Engineering
Morteza Gharib, Director, Graduate Aerospace Laboratories
Yu-Chong Tai, Andrew and Peggy Cherng Medical Engineering Leadership Chair, Executive Officer for Medical Engineering
Kerry J. Vahala, Executive Officer for Applied Physics and Materials Science
Paul O. Wennberg, Executive Officer for Environmental Science and Engineering
Adam C. Wierman, Executive Officer for Computing and Mathematical Sciences

Professors Emeriti

Allan J. Acosta, Ph.D.
Richard L. and Dorothy M. Hayman Professor of Mechanical Engineering
James L. Beck, Ph.D.
George W. Housner Professor of Engineering and Applied Science
Christopher E. Brennen, D.Phil.
Richard L. and Dorothy M. Hayman Professor of Mechanical Engineering
William B. Bridges, Ph.D.
Carl F Braun Professor of Engineering
Norman H. Brooks, Ph.D.
James Irvine Professor of Environmental and Civil Engineering
K. Mani Chandy, Ph.D.
Simon Ramo Professor of Computer Science
Donald S. Cohen, Ph.D.
Charles Lee Powell Professor of Applied Mathematics
Noel R. Corngold, Ph.D.
Applied Physics
Fred É. C. Culick, Ph.D.
Richard L. and Dorothy M. Hayman Professor of Mechanical Engineering and Professor of Jet Propulsion
James P. Eisenstein, Ph.D.
Frank J. Roshuk Professor of Physics and Applied Physics
Charles Elachi, Ph.D.
Electrical Engineering and Planetary Science
Thomas E. Everhart, Ph.D., D.L.h.c., D.h.c.
Electrical Engineering and Applied Physics
David L. Goodstein, Ph.D.
Frank J. Gilloon Distinguished Teaching and Service Professor and Professor of Physics and Applied Physics
Roy W. Gould, Ph.D.
Simon Ramo Professor of Engineering
Hans G. Hornung, Ph.D., D.h.c.
C. L. Kelly Johnson Professor of Aeronautics
Wilfred D. Iwan, Ph.D.
Applied Mechanics
Paul C. Jennings, Ph.D.
Civil Engineering and Applied Mechanics
Wolfgang G. Knauss, Ph.D.
Theodore von Kármán Professor of Aeronautics and Applied Mechanics
Anthony Leonard, Ph.D.
Theodore von Kármán Professor of Aeronautics
E. John List, Ph.D.
Environmental Engineering Science
Alain J. Martin, Ing.
Computer Science
Robert J. McEliece, Ph.D.
Allen E. Puckett Professor and Professor of Electrical Engineering
Carver A. Mead, Ph.D., D.Sc.h.c., D.h.c.
Gordon and Betty Moore Professor of Engineering and Applied Science
James J. Morgan, Ph.D., D.Sc.h.c.
Marvin L. Goldberger Professor of Environmental Engineering Science
Marc-Aurele Nicolet, Ph.D.
Electrical Engineering and Applied Physics
Professors

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

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

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

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

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

Domniki Asimaki, Ph.D.
Mechanical and Civil Engineering

Harry A. Atwater, Ph.D.
Howard Hughes Professor of Applied Physics and Materials Science, JCAP Director

Joanna M. Austin, Ph.D.
Aerospace

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

Alan H. Barr, Ph.D.
Computer Science

Paul M. Bellan, Ph.D.
Applied Physics

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

Guillaume Blanquart, Ph.D.
Mechanical Engineering

Simona Bordoni, Ph.D.
Environmental Science and Engineering

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

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

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

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

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

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

Chiara Daraio, Ph.D.
Mechanical Engineering and Applied Physics

Mathieu Desbrun, Ph.D.
Carl F. Braun Professor of Computing and Mathematical Sciences

Michael H. Dickinson, Ph.D.
Esther M. and Abe M. Zarem Professor of Bioengineering and Aeronautics

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

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

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

Michael B. Elowitz, Ph.D.¹
Biology and Bioengineering, HHMI Investigator

Azita Emami, Ph.D.
Andrew and Peggy Cherng Professor of Electrical Engineering and Medical Engineering, HMRI Investigator

Katherine T. Faber, Ph.D.
Simon Ramo Professor of Materials Science

Andrei Faraon, Ph.D.
Applied Physics
Richard C. Flagan, Ph.D.  
Irma and Ross McCollum–William H. Corcoran Professor of Chemical Engineering and Environmental Science and Engineering

Brent T. Fultz, Ph.D.  
Barbara and Stanley R. Rawn, Jr., Professor of Materials Science and Applied Physics

Morteza Gharib, Ph.D.  
Hans W. Liepmann Professor of Aeronautics and Bioinspired Engineering, Director, Center for Autonomous Systems and Technologies

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

Julia R. Greer, Ph.D.  
Materials Science, Mechanics, and Medical Engineering

Ali Hajimiri, Ph.D.  
Bren Professor of Electrical Engineering and Medical Engineering, Co-Director, Space-Based Solar Power Project

John F. Hall, Ph.D.  
Civil Engineering

Babak Hassibi, Ph.D.  
Mose and Lillian S. Bohn Professor of Electrical Engineering

Thomas H. Heaton, Ph.D.  
Engineering Seismology

Michael R. Hoffmann, Ph.D.  
John S. and Sherry Chen Professor of Environmental Science

Yizhao Thomas Hou, Ph.D.  
Charles Lee Powell Professor of Applied and Computational Mathematics

Melany L. Hunt, Ph.D.  
Dotty and Dick Hayman Professor of Mechanical Engineering

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

Dennis M. Kochmann, Dr.-Ing.  
Aerospace

Nadia Lapusta, Ph.D.  
Mechanical Engineering and Geophysics

Jared R. Leadbetter, Ph.D.  
Environmental Microbiology

Steven H. Low, Ph.D.  
Frank J. Gilloon Professor of Computer Science and Electrical Engineering

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

Daniel I. Meiron, Sc.D.  
Fletcher Jones Professor of Aeronautics and Applied and Computational Mathematics

Austin J. Minnich, Ph.D.  
Mechanical Engineering and Applied Physics

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

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

Houman Owhadi, Ph.D.  
Applied and Computational Mathematics and Control and Dynamical Systems

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

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

Sergio Pellegrino, Ph.D.  
Joyce and Kent Kresa Professor of Aerospace and Civil Engineering, Co-Director, Space-Based Solar Power Project, JPL Senior Research Scientist

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

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

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

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

Guruswami Ravichandran, Ph.D., D.h.c.  
John E. Goode, Jr., Professor of Aerospace and Mechanical Engineering
Ares J. Rosakis, Ph.D.
Theodore von Kármán Professor of Aeronautics and Mechanical Engineering

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

Axel Scherer, Ph.D.
Bernard Neches Professor of Electrical Engineering, Applied Physics, and Physics

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

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

Leonard J. Schulman, Ph.D.
Computer Science

Keith C. Schwab, Ph.D.
Applied Physics

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

Joseph E. Shepherd, Ph.D.
C. L. Kelly Johnson Professor of Aeronautics and Mechanical Engineering, Allen V. C. Davis and Lenabelle Davis Leadership Chair, Student Affairs, Vice President for Student Affairs

Athanassios G. Siapas, Ph.D.
Computation and Neural Systems

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

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

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

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

Christopher M. Umans, Ph.D.
Computer Science

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

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

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

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

Michael M. Watkins, Ph.D.
Aerospace and Geophysics, Vice President and Director of the Jet Propulsion Laboratory

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

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

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

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

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

Associate Professors

Soon-Jo Chung, Sc.D.
Aerospace and Bren Scholar; JPL Research Scientist

Assistant Professors

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

Wei Gao, Ph.D.
Cherng Department of Medical Engineering

Victoria Kostina, Ph.D.
Electrical Engineering

Alireza Marandi, Ph.D.
Electrical Engineering
Stevan Nadj-Perge, Ph.D.
Applied Physics and Materials Science
Yisong Yue, Ph.D.
Computing and Mathematical Sciences

Joint with the Howard Hughes Medical Institute

Instructors
Franca Hoffmann, Ph.D.
von Kármán Instructor in Computing and Mathematical Sciences
Ka Chun Lam, Ph.D.
von Kármán Instructor in Computing and Mathematical Sciences

Lecturers
Channing Ahn, Ph.D.*
Applied Physics and Materials Science
Oscar Alvarez-Salazar, Ph.D.
Aerospace
Dimitrios Antsos, Ph.D.
Electrical Engineering
John D. Baker, B.S.
Aerospace
Christina Birch, Ph.D.
Engineering
Adam Blank, M.S.
Computing and Mathematical Sciences
James B. Breckinridge, Ph.D.*
Aerospace
Erin R. Burkett, Ph.D.*
Engineering
Stefano Campagnola, Ph.D.*
Computing and Mathematical Sciences
Bruce J. Dominguez, B.F.A.
Mechanical and Civil Engineering
Antony R. H. Fender, B.S.
Engineering
Glen A. George, M.S.
Electrical Engineering
Alireza Ghaffari, M.S.
Applied Physics and Materials Science
Douglas C. Hofmann, Ph.D.
Applied Physics and Materials Science
Rajeev Joshi, Ph.D. *
Computing and Mathematical Sciences
Andrew T. Klesh, Ph.D.
Aerospace
Eugene Lavretsky, Ph.D.*
Computing and Mathematical Sciences
Arnaud Marsiglietti, Ph.D.*
Computing and Mathematical Sciences
Barry B. Megdal, Ph.D.
Electrical Engineering
Michael Mello, Ph.D.
Mechanical and Civil Engineering
Shouleh Nikzad, Ph.D.
Cherng Department of Medical Engineering
Danny Petrasek, Ph.D.
Cherng Department of Medical Engineering
Kenneth A. Pickar, Ph.D.
Engineering
Gillian Pierce, B.A.*
Engineering
Donald Pinkston III, B.S.
Computing and Mathematical Sciences
Scott R. Ploen, Ph.D.*
Aerospace
James E. Polk, Ph.D.
Aerospace
Trity Pourbahrami, M.S.W.*
Engineering
Damon Russell, Ph.D.
Electrical Engineering
Daniel Scharf, Ph.D.
Aerospace
John P. Van Deusen, B.S.
Mechanical and Civil Engineering
Michael C. Vanier, Ph.D.
Computing and Mathematical Sciences
Jakob J. Van Zyl, Ph.D.
Electrical Engineering
Jennifer Weaver, Ph.D.
Engineering
Nathan M. Wilson, Ph.D.*
Engineering
Konstantin M. Zuev, Ph.D.
Computing and Mathematical Sciences

* In residence 2017–18
Research Professors

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

Hillary Mushkin, MFA
Art and Design

Paul W. K. Rothemund, Ph.D.
Bioengineering, Computing & Mathematical Sciences, and Computation and Neural Systems

Manuel Soriaga, Ph.D.
Applied Physics and Material Science

Senior Faculty Associate

Jakob J. Van Zyl, Ph.D.
Electrical Engineering and Aerospace

Moore Distinguished Scholar

Stephen H. Davis, Ph.D.
Aerospace

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

Visiting Professors

Volnei Pedroni, Ph.D.
Electrical Engineering

Laurent F. M. Stainier, Ph.D.
Clark B. Millikan Visiting Professor of Aerospace

Visiting Associates

Daniel Arthur, Ph.D.
Mechanical and Civil Engineering

Josette Bellan, Ph.D.
Mechanical and Civil Engineering

James B. Breckinridge, Ph.D.
Aerospace

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

Wan Cheng, Ph.D.
Aerospace

Hyuck Choo, Ph.D.
Electrical Engineering

R. Dale Conner, Ph.D.
Applied Physics and Materials Science

Marie Csete, Ph.D.
Cherng Department of Medical Engineering

Marios D. Demetriou, Ph.D.
Applied Physics and Materials Science

Robert A. Desharnais, Ph.D.
Computing and Mathematical Sciences

M. Houman Fekrazad, Ph.D.
Cherng Department of Medical Engineering

Yuman Fong, M.D.
Cherng Department of Medical Engineering

Emmanuel Gdoutos, Ph.D.
Mechanical and Civil Engineering

Sossina M. Haile, Ph.D.
Applied Physics and Materials Science

Douglas C. Hofmann, Ph.D.
Applied Physics and Materials Science

Gerard J. Holzmann, Ph.D.
Computing and Mathematical Sciences

Philip Hon, Ph.D.
Applied Physics and Materials Science

Tzung K. Hsiai, Ph.D., M.D.
Cherng Department of Medical Engineering

Mark S. Humayun, Ph.D.
Cherng Department of Medical Engineering

Karanjit Kalsi, Ph.D.
Computing and Mathematical Sciences

Emil Kartalov, Ph.D.
Electrical Engineering

Hans Joachim Lewerenz, Ph.D.
Applied Physics and Materials Science

Scott Mark Lewis, Ph.D.
Applied Physics and Materials Science

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

Dong Li, Ph.D.
Medical Engineering

Katrina A. Ligett, Ph.D.
Computing and Mathematical Sciences

Alexis C. Livanos, Ph.D.
Aerospace

Joerg Loeffler, Dr. sc. nat.
Applied Physics and Materials Science

Xiaoyu Lyu, Ph.D.
Electrical Engineering
Douglas G. MacMartin, Ph.D.  
*Computing and Mathematical Sciences*

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

Hossein Mosallaei, Ph.D.  
*Applied Physics and Materials Science*

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

Hyunwoong Park, Ph.D.  
*Environmental Science and Engineering*

Leora Peltz, Ph.D.  
*Applied Physics and Materials Science*

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

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

Kenneth A. Pickar, Ph.D.  
*Mechanical and Civil Engineering*

Hendrik Postma, Ph.D.  
*Applied Physics and Materials Science*

Damien Rodger, Ph.D.  
*Cherng Department of Medical Engineering*

Aditya Rajagopal, Ph.D.  
*Electrical Engineering*

Alton Romig, Ph.D.  
*Applied Physics and Materials Science*

Phoebus Rosakis, Ph.D.  
*Aerospace*

Biķris Ross, Ph.D.  
*Cherng Department of Medical Engineering*

Konrad H. Samwer, Ph.D.  
*Applied Physics and Materials Science*

Daniel Scharf, Ph.D.  
*Aerospace*

Peter C. Sercel, Ph.D.  
*Applied Physics and Materials Science*

Andrew A. Shapiro-Scharlotta, Ph.D.  
*Aerospace*

Peter H. Siegel, Ph.D.  
*Electrical Engineering*

G. Jeffrey Snyder, Ph.D.  
*Applied Physics and Materials Science*

Mark Stalzer, Ph.D.  
*Computing and Mathematical Sciences*

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

Lincoln A. Wallen, Ph.D.  
*Computing and Mathematical Sciences*

Chong Wang, Ph.D.  
*Applied Physics and Materials Science*

Sander Weinreb, Ph.D.  
*Electrical Engineering*

**Members of the Professional Staff**

Xenia Amashukeli, Ph.D.  
Joint Center for Artificial Photosynthesis

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

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

Alireza Ghaifari, M.S.  
*Applied Physics and Materials Science*

Joel A. Haber, Ph.D.  
Joint Center for Artificial Photosynthesis

Michael Hucka, Ph.D.  
*Computing and Mathematical Sciences*

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

**Senior Postdoctoral Scholars**

James D. Anderson, Ph.D.  
*Computing and Mathematical Sciences*

Mohammed Hashemi, Ph.D.  
*Electrical Engineering*

Georgios Rigas, Ph.D.  
*Mechanical and Civil Engineering*

Christopher Thachuk, Ph.D.  
*Computing and Mathematical Sciences*
Postdoctoral Scholars

Muhammad Arslan Ahmed, Ph.D.  
Aerospace

Muhammad Z. Alam, Ph.D.  
Applied Physics and Materials Science

Zakaria Al Balushi, Ph.D.  
Resnick Sustainability Institute Prize Postdoctoral Scholar in Applied Physics and Materials Science

Joong Hwan Bang, Ph.D.  
Electrical Engineering

Chengying Bao, Ph.D.  
Resnick Sustainability Institute Prize Postdoctoral Scholar in Applied Physics and Materials Science

John Glen Bartholomew, Ph.D.  
Applied Physics and Materials Science

Pathikrit Basu, Ph.D.  
Computing and Mathematical Sciences

Raffaello Bianco, Ph.D.  
Applied Physics and Materials Science

Osama Ramadan Ahmed
Abdelrahman Bilal, Ph.D.  
Mechanical and Civil Engineering

Luca Bonanomi, Ph.D.  
Mechanical and Civil Engineering

Stella Brach, Ph.D.  
Mechanical and Civil Engineering

Spencer Harrison Bryngelson, Ph.D.  
Mechanical and Civil Engineering

Philip Camayd-Munoz, Ph.D.  
Applied Physics and Materials Science

Vincenzo Capuano, Ph.D.  
Aerospace

Paolo Celli, Ph.D.  
Mechanical and Civil Engineering

Jinwoong Cha, Ph.D.  
Mechanical and Civil Engineering

Chi Shing Chan, Ph.D.  
Electrical Engineering

Yulu L Chen, Ph.D.  
Aerospace

Yuxin Chen, Ph.D.  
Computing and Mathematical Sciences

Zhongtao Cheng, Ph.D.  
Cherng Department of Medical Engineering

Scott Dawson, Ph.D.  
Aerospace

Benidikt Leon Dorschner, Ph.D.  
Mechanical and Civil Engineering

Joseph DuChene, Ph.D.  
Applied Physics and Materials Science

Jin Ge, Ph.D.  
Computing and Mathematical Sciences

Swarnava Ghosh, Ph.D.  
Mechanical and Civil Engineering

Pilar Espinet Gonzalez, Ph.D.  
Applied Physics and Materials Science

Bamdad Hosseini, Ph.D.  
Computing and Mathematical Sciences

Ognjen Ilic, Ph.D.  
Applied Physics and Materials Science

Julio Agustin Garcia Isla, Ph.D.  
Cherng Department of Medical Engineering

Wilfried Jahn, Ph.D.  
Aerospace

Taeyoon Jeon, Ph.D.  
Applied Physics and Materials Science

Pankaj Kumar Jha, Ph.D.  
Applied Physics and Materials Science

Joseph Jing, Ph.D.  
Cherng Department of Medical Engineering

Andrew Joseph Keller, Ph.D.  
Applied Physics and Materials Science

Jeannette Inge Kemmer, Ph.D.  
Applied Physics and Materials Science

Anjul Khadria, Ph.D.  
Cherng Department of Medical Engineering

Bohoon Kim, Ph.D.  
Aerospace

Kyunam Kim, Ph.D.  
Aerospace

Tae Hyun Kim, Ph.D.  
Mechanical and Civil Engineering

Tae Woo Kim, Ph.D.  
Cherng Department of Medical Engineering

Avinash Kumar, Ph.D.  
Cherng Department of Medical Engineering

Engineering and Applied Science
Shailabh Kumar, Ph.D.
Cherng Department of Medical Engineering
Angeliki Laskari, Ph.D.
Aerospace
Chengmingyue Li, Ph.D.
Cherng Department of Medical Engineering
Lijie Li, Ph.D.
Environmental Science and Engineering
Yang Li, Ph.D.
Aerospace
Jonghun Lim, Ph.D.
Environmental Science and Engineering
Xingyu Lin, Ph.D.
Environmental Science and Engineering
Anqi Liu, Ph.D.
Computing & Mathematical Sciences
Kai Liu, Ph.D.
Environmental Science and Engineering
Quanying Liu, Ph.D.
James Boswell Postdoctoral Scholar in Computing and Mathematical Sciences
Yan Liu, Ph.D.
Electrical Engineering
Yuan Luo, Ph.D.
Cherng Department of Medical Engineering
Oisin Mac Aodha, Ph.D.
Electrical Engineering
Michaelle Mayalu, Ph.D.
Computing & Mathematical Sciences
Tewodros Mekonnen, Ph.D.
Computing & Mathematical Sciences
Juan Pedro Mendez Granado, Ph.D.
Aerospace
Seyed Mohammad Mirhosseini Niri, Ph.D.
KNI Postdoctoral Scholar in Applied Physics and Materials Science
Utkarsh Mital, Ph.D.
Mechanical and Civil Engineering
Kami Mohammadi, Ph.D.
Mechanical and Civil Engineering
Shuai Na, Ph.D.
Cherng Department of Medical Engineering
Joanna Nassar, Ph.D.
Cherng Department of Medical Engineering
Lars Petter Nilsson, Ph.D.
Mechanical and Civil Engineering
Antonio Palermo, Ph.D.
Cecil and Sally Drinkward Postdoctoral Scholar in Mechanical and Civil Engineering
Ambuj Pandey, Ph.D.
Computing & Mathematical Sciences
Jagabandhu Paul, Ph.D.
Computing & Mathematical Sciences
Alireza Ramezani, Ph.D.
Aerospace
Brian Ramirez, Ph.D.
Mechanical and Civil Engineering
Netanel Raviv, Ph.D.
Wally Baer and Jeri Weiss Postdoctoral Scholar in Computing and Mathematical Sciences
Hechen, Ren, Ph.D.
Applied Physics and Materials Science
Kevin Thomas Rosenberg, Ph.D.
Aerospace
Eleftheria Roumeli, Ph.D.
Mechanical and Civil Engineering
Korhan Sahin, Ph.D.
Aerospace
Erick Alvarez Salcedo, Ph.D.
Mechanical and Civil Engineering
Kevin Raymond Daniel Schmidmayer, Ph.D.
Mechanical and Civil Engineering
Byounghoon Seo, Ph.D.
Applied Physics and Materials Science
Elnaz Esmailzadeh Seylabi, Ph.D.
Mechanical and Civil Engineering
Sahil Shah, Ph.D.
Electrical Engineering
Nek Sharan, Ph.D.
Mechanical and Civil Engineering
Junhui Shi, Ph.D.
Cherng Department of Medical Engineering
Ye Shi, Ph.D.
Applied Physics and Materials Science
Radwanul H. Siddique, Ph.D.
Cherng Department of Medical Engineering
Alp Sipahigil, Ph.D.

Applied Physics and Materials Science

Melike Tuysuzoglu Sirlanci, Ph.D.

Computing & Mathematical Sciences

Jaimie Marie Stewart, Ph.D.

Computing & Mathematical Sciences

Myoung Gyun Suh, Ph.D.

Applied Physics and Materials Science

Giulia Tagliabue, Ph.D.

Applied Physics and Materials Science

Daniel Alexander Turk, Ph.D.

Aerospace

Katharina Urmann, Ph.D.

Environmental Science and Engineering

Nina Vaidya, Ph.D.

Applied Physics and Materials Science

Srikanth Venkata Tenneti, Ph.D.

Electrical Engineering

Benjamin Tommy Vest, Ph.D.

Applied Physics and Materials Science

Peng Wang, Ph.D.

Cherng Department of Medical Engineering

Yifan Wang, Ph.D.

Mechanical and Civil Engineering

Xiaoming Wei, Ph.D.

Cherng Department of Medical Engineering

Pin Chieh Wu, Ph.D.

Applied Physics and Materials Science

Zhiguang Wu, Ph.D.

Cherng Department of Medical Engineering

Heng Yang, Ph.D.

Applied Physics and Materials Science

Jiamiao Yang, Ph.D.

Cherng Department of Medical Engineering

Xu Yi, Ph.D.

Applied Physics and Materials Science

You Yu, Ph.D.

Cherng Department of Medical Engineering

Behrooz Yousefzadeh, Ph.D.

Mechanical and Civil Engineering

Qi Yu, Ph.D.

Computing and Mathematical Sciences

Xiaomei Zeng, Ph.D.

Resnick Sustainability Institute Prize Postdoctoral Scholar in Applied Physics and Materials Science

Jinjian Zhou, Ph.D.

Applied Physics and Materials Science

Zhun Zhou, Ph.D.

Mechanical and Civil Engineering

Alessandro Zocca, Ph.D.

Computing and Mathematical Sciences

Engineering and Applied Science
Division of Geological and Planetary Sciences

John P. Grotzinger, Ted and Ginger Jenkins Leadership Chair
Robert W. Clayton, Divisional Academic Officer
Michael C. Gurnis, Director, Seismological Laboratory
Paul O. Wennberg, Director, Linde Center for Global Environmental Science

Professors Emeriti

Arden L. Albee, Ph.D.
Geology and Planetary Science
Clarence R. Allen, Ph.D.
Geology and Geophysics
Donald S. Burnett, Ph.D.
Nuclear Geochronology
Charles Elachi, Ph.D.
Electrical Engineering and Planetary Science
Peter Goldreich, Ph.D.
Lee A. DuBridge Professor of Astrophysics and Planetary Physics
Donald V. Helmberger, Ph.D.
Smits Family Professor of Geophysics
Hiroo Kanamori, Ph.D.
John E. and Hazel S. Smits Professor of Geophysics
Duane O. Muhleman, Ph.D.
Planetary Science
Jason B. Saleeby, Ph.D.
Geology
Leon T. Silver, Ph.D.
W. M. Keck Foundation Professor for Resource Geology
Hugh P. Taylor Jr., Ph.D.
Robert P. Sharp Professor of Geology
Peter J. Wyllie, Ph.D., D.Sc.h.c.
Geology

Professors

Jess F. Adkins, Ph.D.
Smits Family Professor of Geochemistry and Global Environmental Science
Jean-Paul Ampuero Saenz, Ph.D.
Seismology

Paul D. Asimow, Ph.D.
Eleanor and John R. McMillan Professor of Geology and Geochemistry
Jean-Philippe Avouac, Doctorat
Earle C. Anthony Professor of Geology and Mechanical and Civil Engineering
Geoffrey A. Blake, Ph.D.
Cosmochemistry and Planetary Science and Chemistry
Simona Bordoni, Ph.D.
Environmental Science and Engineering
Michael E. Brown, Ph.D.
Richard and Barbara Rosenberg Professor of Planetary Astronomy
Robert W. Clayton, Ph.D.
Geophysics
Bethany L. Ehlmann, Ph.D.
Planetary Science; Jet Propulsion Laboratory Research Scientist
John M. Eiler, Ph.D.
Robert P. Sharp Professor of Geology and Geochemistry
Kenneth A. Farley, Ph.D.
W. M. Keck Foundation Professor of Geochemistry
Woodward W. Fischer, Ph.D.
Geobiology
Christian Frankenberg, Ph.D.
Environmental Science and Engineering; Jet Propulsion Laboratory Research Scientist
John P. Grotzinger, Ph.D.
Fletcher Jones Professor of Geology
Michael C. Gurnis, Ph.D.
John E. and Hazel S. Smits Professor of Geophysics
Thomas H. Heaton, Ph.D.
Engineering Seismology
Andrew P. Ingersoll, Ph.D.
Planetary Science
Jennifer M. Jackson, Ph.D.
Mineral Physics
Joseph L. Kirschvink, Ph.D.
Nico and Marilyn van Wingen Professor of Geobiology
Heather A. Knutson, Ph.D.
Planetary Science
Shrinivas R. Kulkarni, Ph.D.
George Ellery Hale Professor of Astronomy and Planetary Science; Director, Caltech Optical Observatories

Trustees, Administration, Faculty
Michael P. Lamb, Ph.D.
Geology

Nadia Lapusta, Ph.D.
Mechanical Engineering and
Geophysics

Jared R. Leadbetter, Ph.D.
Environmental Microbiology

Dianne K. Newman, Ph.D.
Gordon H. Binder/Amgen Professor
of Biology and Geobiology

Victoria Orphan, Ph.D.
James Irvine Professor of
Environmental Science and
Geobiology

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

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

Alex L. Sessions, Ph.D.
Geobiology

Mark Simons, Ph.D.
John W. and Herberta M. Miles
Professor of Geophysics; Jet
Propulsion Laboratory Chief
Scientist

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

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

Edward M. Stolper, Ph.D., D.Sc.h.c.
William E. Leonard Professor of
Geology

Andrew F. Thompson, Ph.D.
Environmental Science and
Engineering

Victor C. Tsai, Ph.D.
Geophysics

Michael M. Watkins, Ph.D.
Aerospace and Geophysics; Director
of JPL

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

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

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

Assistant Professors

Konstantin Batygin, Ph.D.
Planetary Science
and Van Nuys Page Scholar

Claire Bucholz, Ph.D.
Geology

Jörn Callies, Ph.D.
Environmental Science and
Engineering

Francois Tissot, Ph.D.
Geochemistry

Zhongwen Zhan, Ph.D.
Geophysics

Lecturers

Nathan Dalleska
Environmental Science and
Engineering

Stan Sander, Ph.D.
Environmental Science and
Engineering

Research Professor

Egill Hauksson, Ph.D.
Geophysics

Visiting Associates

Piyush Agram, Ph.D.
Geophysics

Oded Aharonson, Ph.D.
Planetary Science

Jaehueung Cho, Ph.D.
Geobiology

Elizabeth Cochran, Ph.D.
Geophysics

Abigail Fraeman, Ph.D.
Planetary Science

Matthew Golombek, Ph.D.
Planetary Science

Robert W. Graves, Ph.D.
Geophysics

John M. Harris, Ph.D.
Geology

Renyu Hu, Ph.D.
Planetary Science

Kenneth W. Hudnut, Ph.D.
Geophysics

Lucile M. Jones, Ph.D.
Geophysics
Members of the Professional Staff

Michael B. Baker, Ph.D.
Geology
John R. Beckett, Ph.D.
Geology
Yunbin Guan, Ph.D.
Geochemistry
Chi Ma, Ph.D.
Geochemistry
Sally Newman, Ph.D.
Planetary Science

Postdoctoral Scholars

Elena Amador, Ph.D.
Planetary Science
Stuart Bartlett, Ph.D.
Geochemistry
Flavien Beaud, Ph.D.
Geology
Alexander Beer, Ph.D.
Geology
Quentin Brissaud, Ph.D.
Geophysics
Johannes Buchen, Ph.D.
Geophysics
Yair Cohen, Ph.D.
Environmental Science and Engineering
Antoine Cremiere, Ph.D.
Geobiology
Daniel Dar, Ph.D.
Geobiology
Katherine de Kleer, Ph.D.
Planetary Science
Jan de Leeuw, Ph.D.
Geology
Joseph Fitzgerald, Ph.D.
Foster and Coco Stanback Postdoctoral Scholar in Global Environmental Science
Valerie Fox, Ph.D.
Planetary Science
Yonaton Goldsmith, Ph.D.
Geochemistry
Christopher Grose, Ph.D.
Geophysics
Spencer Hill, Ph.D.
Foster and Coco Stanback Postdoctoral Scholar in Global Environmental Science
Jiashun Hu, Ph.D.
Geophysics
Jinping Hu, Ph.D.
Geochemistry
Vincent Humphrey, Ph.D.
Environmental Science and Engineering
Miquela Ingalls, Ph.D.
Barr Foundation Postdoctoral Scholar in Geology
Yamini Jangir, Ph.D.
Geobiology
James Keane, Ph.D.
JCPA Prize Fellow in Planetary Science
Matthaus Kiel, Ph.D.
Environmental Science and Engineering
Philipp Koehler, Ph.D.

Environmental Science and Engineering

Yang Lei, Ph.D.

Planetary Science

Cheng Li, Ph.D.

Planetary Science

Gen Li, Ph.D.

Geology

Zefeng Li, Ph.D.

Geophysics

Tien-Hao Liao, Ph.D.

Geochemistry

Yen Yu Lin, Ph.D.

Geophysics

Ke Liu, Ph.D.

Geochemistry

Xi Liu, Ph.D.

Geophysics

Simon Lock, Ph.D.

Planetary Science

Xavier Mangenot, Ph.D.

Geochemistry

Georgy Manucharyan, Ph.D.

Environmental Science and Engineering

Brad Markle, Ph.D.

Foster and Coco Stanback

Postdoctoral Scholar in Global Environmental Science

Marco Mastrogiuseppe, Ph.D.

Planetary Science

Maria Paula Mateo

Fernandez Caso, Ph.D.

Geology

Darcy McRose, Ph.D.

Geobiology

Ranjani Murali, Ph.D.

Geobiology

Sharon Newman, Ph.D.

Geology

Emily Newsom, Ph.D.

Environmental Science and Engineering

Lenka Novakova, Ph.D.

Environmental Science and Engineering

Sunyoung Park, Ph.D.

Texaco Prize Postdoctoral Scholar in Geophysics

Mary Peterson, Ph.D.

Geology

Alon Philosof, Ph.D.

Geobiology

Danielle Potocek, Ph.D.

Geobiology

Ted Present, Ph.D.

Geochemistry

Maria Raguso, Ph.D.

Planetary Science

William Rapin, Ph.D.

Planetary Science

Barbara Ratschbacher, Ph.D.

Geology

Zachary Ross, Ph.D.

Geophysics

Zhaoyi Shen, Ph.D.

Environmental Science and Engineering

Daan Speth, Ph.D.

Geobiology

Zhan Su, Ph.D.

Environmental Science and Engineering

Yuval Tal, Ph.D.

Geophysics

Xingchen Wang, Ph.D.

Geobiology

Daniel Weidendorfer, Ph.D.

Geochemistry

Reto Wijker, Ph.D.

Geobiology

Elise Wilkes, Ph.D.

Geobiology

James Worthington, Ph.D.

Barr Foundation Postdoc in Geology

Fabai Wu, Ph.D.

Geobiology

Wenbo Wu, Ph.D.

Geophysics

Lu Xu, Ph.D.

Environmental Science and Engineering

Chunquan Yu, Ph.D.

Geophysics

Hank Yu, Ph.D.

Geobiology

Zhaochung Zeng, Ph.D.

Planetary Science

Xiyue Zhang, Ph.D.

Environmental Science and Engineering

Zhimeng Zhang, Ph.D.

Planetary Science

Visitors

Hao Cao, Ph.D.

Planetary Science

Haichao Chen, Ph.D.

Geophysics

Max Coleman, Ph.D.

Geochemistry

Katherine Dawson, Ph.D.

Geobiology
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shana Goffredi, Ph.D.</td>
<td>Geobiology</td>
</tr>
<tr>
<td>Murthy Gudipati, Ph.D.</td>
<td>Planetary Science</td>
</tr>
<tr>
<td>Jessica Hinojosa, PhD.</td>
<td>Geochemistry</td>
</tr>
<tr>
<td>Amy Hofmann, Ph.D.</td>
<td>Geochemistry</td>
</tr>
<tr>
<td>Martha House, Ph.D.</td>
<td>Geology</td>
</tr>
<tr>
<td>Robert Housley, Ph.D.</td>
<td>Geochemistry</td>
</tr>
<tr>
<td>Chao Liu, Ph.D.</td>
<td>Planetary Science</td>
</tr>
<tr>
<td>Zhu Liu, Ph.D.</td>
<td>Environmental Science and</td>
</tr>
<tr>
<td></td>
<td>Engineering</td>
</tr>
<tr>
<td>Devin McPhillips, Ph.D.</td>
<td>Geology</td>
</tr>
<tr>
<td>Vijay Natraj, Ph.D.</td>
<td>Planetary Science</td>
</tr>
<tr>
<td>Christopher Parkinson, Ph.D.</td>
<td>Planetary Science</td>
</tr>
<tr>
<td>Alexis Pasulka, Ph.D.</td>
<td>Geobiology</td>
</tr>
<tr>
<td>Uri Ryb, Ph.D.</td>
<td>Geochemistry</td>
</tr>
<tr>
<td>Haley Sapers, Ph.D.</td>
<td>Geobiology</td>
</tr>
<tr>
<td>Kunio Sayanagi, Ph.D.</td>
<td>Planetary Science</td>
</tr>
<tr>
<td>Brandon Schmandt, Ph.D.</td>
<td>Geophysics</td>
</tr>
<tr>
<td>Wolfgang Sturhahn, Ph.D.</td>
<td>Geophysics</td>
</tr>
</tbody>
</table>
Division of the Humanities and Social Sciences

Jean-Laurent Rosenthal, Ronald and Maxine Linde Leadership Chair
Colin F. Camerer, Executive Officer for the Social Sciences
Christopher R. Hitchcock, Executive Officer for the Humanities

Professors Emeriti

Louis Breger, Ph.D.  
Psychoanalytic Studies
John Brewer, Ph.D.  
Eli and Edythe Broad Professor of History and Literature
David M. Grether, Ph.D.  
Frank J. Gilloon Professor of Economics
Daniel J. Kevles, Ph.D.  
J. O. and Juliette Koepfli Professor of the Humanities
Jenijoy La Belle, Ph.D.  
English
John O. Ledyard, Ph.D., D.Lit.h.c.  
Allen and Lenabelle Davis Professor of Economics and Social Sciences
Oscar Mandel, Ph.D.  
Literature
Robert A. Rosenstone, Ph.D.  
History
Thayer Scudder, Ph.D.  
Anthropology
Annette J. Smith, Ph.D.  
Literature
James F. Woodward, Ph.D.  
J. O. and Juliette Koepfli Professor of the Humanities

Associate Professor Emeritus

Heinz E. Ellersieck, Ph.D.  
History

Lecturers Emeriti

Lee F. Browne, M.S.  
Education
Shirley A. Marneus, M.A.  
Theater Arts

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
Marina Agranow, Ph.D.  
Economics
R. Michael Alvarez, Ph.D.  
Political Science
Kim C. Border, Ph.D.  
Economics
Warren C. Brown, Ph.D.  
History
Jed Z. Buchwald, Ph.D.  
Doris and Henry Dreyfuss Professor of History
Colin F. Camerer, Ph.D.  
Robert Kirby Professor of Behavioral Economics; T&S C Chen Center for Social and Decision Neuroscience Leadership Chair; Director, T&S C Chen Center for Social and Decision Neuroscience
Fiona Cowie, Ph.D.  
Philosophy
Jaks Cvitanic, Ph.D.  
Richard N. Merkin Professor of Mathematical Finance; Director, Ronald and Maxine Linde Institute of Economic and Management Sciences
Tracy K. Dennison, Ph.D.  
History
Frederick Eberhardt, Ph.D.  
Philosophy
Federico M. Echenique, Ph.D.  
Allen and Lenabelle Davis Professor of Economics
Jean E. Ensminger, Ph.D.  
Edie and Lew Wasserman Professor of Social Sciences
Mordechai Feingold, Ph.D.  
History
Kevin M. Gilmartin, Ph.D.  
William R. Kenan, Jr., Professor of English; Dean of Undergraduate Students
Dehn Gilmore, Ph.D.  
English
Kristine L. Haugen, Ph.D.  
English

Humanities and Social Sciences
Alexander V. Hirsch, Ph.D.
Political Science
Christopher R. Hitchcock, Ph.D.
J. O. and Juliette Koepfli Professor of Philosophy
Philip T. Hoffman, Ph.D.
Rea A. and Lela G. Axline Professor of Business Economics and Professor of History
Joceyln Holland, Ph.D.
German Studies
Catherine Jurca, Ph.D.
English
Jonathan N. Katz, Ph.D.
Kay Sugahara Professor of Social Sciences and Statistics
D. Roderick Kiewiet, Ph.D.
Political Science
Diana L. Kormos-Buchwald, Ph.D.
Robert M. Abbey Professor of History
J. Morgan Kousser, Ph.D.
Professor of History and Social Science
John P. O’Doherty, Ph.D.
Psychology
Peter C. Ordeshook, Ph.D.
Political Science
Thomas R. Palfrey III, Ph.D.
Flintridge Foundation Professor of Economics and Political Science
George Pigman III, Ph.D.
English
Charles R. Plott, Ph.D.
Doctor of Letters, honoris causa
William D. Hacker Professor of Economics and Political Science
Steven R. Quartz, Ph.D.
Philosophy
Antonio Rangel, Ph.D.
Bing Professor of Neuroscience, Behavioral Biology, and Economics
Richard W. Roll, Ph.D.
Linde Institute Professor of Finance
Jean-Laurent Rosenthal, Ph.D.
Rea A. and Lela G. Axline Professor of Business Economics; Ronald and Maxine Linde Leadership Chair, Division of the Humanities and Social Sciences
Kota Saito, Ph.D.
Economics
Robert P. Sherman, Ph.D.
Economics and Statistics
Matthew S. Shum, Ph.D.
J. Stanley Johnson Professor of Economics
Cindy A. Weinstein, Ph.D.
Eli and Edythe Broad Professor of English
Nicolas Wey-Gomez, Ph.D.
History
Michael J. Ewens, Ph.D.
Economics
Laura Doval, Ph.D.
Economics
Maura D. Dykstra, Ph.D.
History
Michael B. Gibilisco, Ph.D.
Political Science
Jennifer A. Jahner, Ph.D.
English
Lawrence J. Jin, Ph.D.
Finance
Gabriel Lopez-Moctezuma, Ph.D.
Political Science
Dean Mobbs, Ph.D.
Psychology
Luciano Pomatto, Ph.D.
Economics
Charles T. Sebens, Ph.D.
Philosophy
Omer Tamuz, Ph.D.
Economics
Yi Xin, Ph.D.
Economics
Michael Savage, Ph.D.
History
Melanie M. Sherazi, Ph.D.
English
Boris Babic, Ph.D.
Philosophy

Associate Professor

Michael J. Ewens, Ph.D.
Economics

Assistant Professors

Laura Doval, Ph.D.
Economics
Maura D. Dykstra, Ph.D.
History
Michael B. Gibilisco, Ph.D.
Political Science
Jennifer A. Jahner, Ph.D.
English
Lawrence J. Jin, Ph.D.
Finance
Gabriel Lopez-Moctezuma, Ph.D.
Political Science
Dean Mobbs, Ph.D.
Psychology
Luciano Pomatto, Ph.D.
Economics
Charles T. Sebens, Ph.D.
Philosophy
Omer Tamuz, Ph.D.
Economics
Yi Xin, Ph.D.
Economics

Ahmanson Postdoctoral Instructor

Michael Savage, Ph.D.
History

Jessen Postdoctoral Instructor

Melanie M. Sherazi, Ph.D.
English

Weisman Postdoctoral Instructor

Boris Babic, Ph.D.
Philosophy

Trustees, Administration, Faculty
Postdoctoral Instructor in the Humanities
Leah Klement, Ph.D.
Comparative Literature

Lecturers
Andreas Aebi, Ph.D.
German
Gloria Arjona, Ph.D.
Spanish
Christine M. Daley, Ph.D.
English
Jennifer L. Factor, M.A.
English
Megumi Fujio, M.A.
Japanese
Daniel A. Garcia, M.A.
Spanish
Merrill Joan Gerber, M.A.
Creative Writing
Susanne E. Hall, Ph.D.
English
Ritsuko Hirai Toner, Ph.D.
Japanese
Richard E. Kipling, M.A.
Journalism
Daniel Lewis, Ph.D.
History
Trevor C. Merrill, Ph.D.
French
Feng-Ying Ming, Ph.D.
Chinese
Thomas A. Neenan, M.F.A.
Music
Christiane H. Orcel, Ph.D.
French
Xiangyun Wang, Ph.D.
Chinese
Kenneth J. Winston, Ph.D.
Economics
Juliani K. Wolfgram, Ph.D.
Art History

Moore Distinguished Scholars
Paolo Galluzzi, Ph.D.
History of Science
Joseph Y. Halpern, Ph.D.
Mathematics

Eleanor Searle Visiting Professor
Gabriel Motzkin, Ph.D.
History

Research Assistant Professor
Cindy Hagan, Ph.D.
Psychology

Visiting Professors
Bradford Cornell, Ph.D.
Finance
Steve Hindle, Ph.D.
History

Visiting Associates
Jasmina Arifovic, Ph.D.
Economics
Peter L. Bossaerts, Ph.D.
Finance
Odilon Camara, Ph.D.
Economics
Eric de Bodt, Ph.D.
Finance
John L. Heilbron, Ph.D.
History
Jinhee Jo, Ph.D.
Political Science
Anne J. Kox, Ph.D.
History
Robert C. Ritchie, Ph.D.
History
Mary Elise Sarotte, Ph.D.
History
Mark J. Schiefsky, Ph.D.
Philosophy
Wolfram Schultz, Ph.D.
Neuroscience
Kyoungwon Seo, Ph.D.
Economics
Erik Snowberg, Ph.D.
Economics and Political Science
Damian Stanley, Ph.D.
Neuroeconomics
Noel M. Swerdlow, Ph.D.
History
Ann Tank, Ph.D.
Economics
Haiyan Wu, Ph.D.
Psychology

Humanities and Social Sciences
Visitors
Julien Dubois, Ph.D.
Neuroscience
Laura Harrison, Ph.D.
Neuroscience
Uri M. Maoz, Ph.D.
Neural Computation

Member of the Professional Staff
Ze’ev Rosenkranz, M.L.S.

Postdoctoral Scholars
Miguel Artola-Blanco, Ph.D.
Economic History
Devdeepta Bose, Ph.D.
Psychology and Economics
Caroline J. Charpentier, Ph.D.
Neuroscience
Jeffrey A. Cockburn, Ph.D.
Neuroscience
Jaron T. Colas, Ph.D.
Neuroscience
Qian Cui, Ph.D.
Social and Affective Neuroscience
Bowen J. Fung, Ph.D.
Computational Affective Neuroscience
Kiyohito Iigaya, Ph.D.
Neuroscience
Umit Keles, Ph.D.
Neuroscience
Jeongbin Kim, Ph.D.
Economics
Dorit Kliemann, Ph.D.
Cognitive Neuroscience
Vincent Y. Man, Ph.D.
Neuroscience
Maxwell Mansolf, Ph.D.
Psychology
Tanaz Molapour, Ph.D.
Computational Affective Neuroscience
Sven Nolte, Ph.D.
Neuroscience
Omar D. Perez, Ph.D.
Neuroscience
Anita Tusche, Ph.D.
Neuroeconomics
Danielle L. Wiggins, Ph.D.
History
Tomislav D. Zbozinek, Ph.D.
Affective Neuroscience
Division of Physics, Mathematics and Astronomy

Fiona A. Harrison, Kent and Joyce Kresa Leadership Chair
S. George Djorgovski, Executive Officer for Astronomy; Director, Center for Data Driven Discovery
Elena Mantovan, Executive Officer for Mathematics
Gil Refael, Executive Officer for Physics
Sunil Golwala, Director, Caltech Submillimeter Observatory
Hirosi Ooguri, Director, Burke Institute for Theoretical Physics
Thomas A. Prince, Director, W.M. Keck Institute for Space Studies; Allen V.C. Davis and Lenabelle Davis Leadership Chair, Keck Institute for Space Studies
Anthony C. S. Readhead, Director, Owens Valley Radio Observatory
B. Thomas Soifer, Director, Spitzer Science Center
Nai-Chang Yeh, Fletcher Jones Foundation Codirector, Kavoli Nanoscience Institute
George Helou, Executive Director, Infrared Processing and Analysis Center
David H. Reitze, Executive Director, LIGO Laboratory (Laser Interferometer Gravitational-Wave Observatory)
John P. Preskill, Allen V.C. Davis and Lenabelle Davis Leadership Chair, Institute for Quantum Science and Technology
Jonas Zmuidzinas, Director, Caltech Optical Observatories

Professors Emeriti

Michael Aschbacher, Ph.D.
Shaler Arthur Hansch Professor of Mathematics
Barry C. Barish, Ph.D., Laurea h.c., Nobel Laureate
Ronald and Maxine Linde Professor of Physics
Felix H. Boehm, Ph.D.
William L. Valentine Professor of Physics
Judith G. Cohen, Ph.D.
Kate Van Nieuwenhuizen Professor of Astronomy
Marshall H. Cohen, Ph.D.
Astronomy
Michael C. Cross, Ph.D.
Theoretical Physics
Richard A. Dean, Ph.D.
Mathematics
James P. Eisenstein, Ph.D.
Frank J. Roshek Professor of Physics and Applied Physics
Steven C. Frautschy, Ph.D.
Theoretical Physics
Murray Gell-Mann, Ph.D., Sc.D.h.c., D.Sc.h.c., Nobel Laureate
Robert Andrews Millikan Professor of Theoretical Physics
Peter M. Goldreich, Ph.D.
Lee A. DuBridge Professor of Astrophysics and Planetary Physics
David L. Goodstein, Ph.D.
Frank J. Gilloon Distinguished Teaching and Service Professor and Professor of Physics and Applied Physics
Gary A. Lorden, Ph.D.
Mathematics
W. A. J. Luxemburg, Ph.D.
Mathematics
Thomas G. Phillips, D.Phil.
John D. MacArthur Professor of Physics
Anthony C. Readhead, Ph.D.
Robinson Professor of Astronomy
Anneila I. Sargent, Ph.D., D.Sc.h.c.
Ira S. Bowen Professor of Astronomy
Maarten Schmidt, Ph.D., Sc.D.
Francis L. Moseley Professor of Astronomy
John H. Schwarz, Ph.D.
Harold Brown Professor of Theoretical Physics
Nicholas Z. Scoville, Ph.D.
Francis L. Moseley Professor of Astronomy
Barry M. Simon, Ph.D., D.Sc.h.c.
IBM Professor of Mathematics and Theoretical Physics
B. Thomas Soifer, Ph.D.
Harold Brown Professor of Physics
Kip S. Thorne, Ph.D., D.Sc.h.c., D.H.c., L.H.D.h.c., Nobel Laureate
Richard P. Feynman Professor of Theoretical Physics
Rochus E. Vogt, Ph.D.
  R. Stanton Avery Distinguished Service Professor and Professor of Physics
David B. Wales, Ph.D.
  Mathematics
Ward Whaling, Ph.D.
  Physics
Richard M Wilson, Ph.D.
  Mathematics

Senior Research Associate Emeritus

Petr Vogel, Ph.D.
  Physics

Professors

Rana Adhikari, Ph.D.
  Physics
Jason Alicea, Ph.D.
  Theoretical Physics
James J. Bock, Ph.D.
  Physics
Fernando Guadalupe Dos Santos
  Physics
Lins Brandão, Ph.D.
  Bren Professor of Theoretical Physics
Yanbei Chen, Ph.D.
  Physics
S. George Djorgovski, Ph.D.
  Physics
Fernando Guadalupe Dos Santos
  Francis L. Moseley Professor of Physics
Matthias Flach, Ph.D.
  Mathematics
Rupert Frank, Ph.D.
  Mathematics
Sunil Golwala, Ph.D.
  Physics
Thomas Graber, Ph.D.
  Mathematics
Sergei Gukov, Ph.D.
  Theoretical Physics and Mathematics
Fiona A. Harrison, Ph.D.,
  D.techn.h.c.
  Benjamin M. Rosen Professor of Physics
Lynne Anne Hillenbrand, Ph.D.
  Astronomy
David G. Hitlin, Ph.D.
  Astronomy
Philip F. Hopkins, Ph.D.
  Theoretical Astrophysics
Andrew W. Howard, Ph.D.
  Astronomy
David Hsieh, Ph.D.
  Physics
Anton Kapustin, Ph.D.
  Earle C. Anthony Professor of Theoretical Physics and Mathematics
Nets Katz, Ph.D.
  International Business Machines Professor of Mathematics
Alexander S. Kechris, Ph.D., D.h.c.
  Mathematics
H. Jeff Kimble, Ph.D., D.Sc.h.c.
  William L. Valentine Professor of Physics
Alexei Kitaev, Ph.D.
  Ronald and Maxine Linde Professor of Theoretical Physics & Mathematics
Shrinivas R. Kulkarni, Ph.D.
  George Ellery Hale Professor of Astronomy and Planetary Science
Kenneth G. Libbrecht, Ph.D.
  Physics
Nikolai G. Makarov, Ph.D.
  Richard Merkin Distinguished Professor of Mathematics
Elena Mantovan, Ph.D.
  Mathematics
Matilde Marcolli, Ph.D.
  Mathematics
Vladimir Markovic, Ph.D.
  John D. MacArthur Professor of Mathematics
D. Christopher Martin, Ph.D.
  Physics
Olexei Motrunich, Ph.D.
  Theoretical Physics
Harvey B. Newman, Sc.D, D.h.c.,
  Marvin L. Goldberger Professor of Physics.
Yi Ni, Ph.D.
  Mathematics
Hiroshi Ooguri, Ph.D.
  Fred Kavli Professor of Theoretical Physics and Mathematics
Oskar J. Painter, Ph.D.
  John G. Braun Professor of Applied Physics and Physics
Ryan Patterson, Ph.D.
  Physics
Robert B. Phillips, Ph.D.
  Fred and Nancy Morris Professor of Biophysics, Biology and Physics

Trustees, Administration, Faculty
E. Sterl Phinney, Ph.D.

Theoretical Astrophysics

H. David Politzer, Ph.D., Nobel Laureate

Richard Chace Tolman Professor of Theoretical Physics

Frank C. Porter, Ph.D.

Physics

John P. Preskill, Ph.D.

Richard P. Feynman Professor of Theoretical Physics

Thomas A. Prince, Ph.D.

Ira S. Bowen Professor of Physics

Maksym Radziwill, Ph.D.

Mathematics

Eric M. Rains, Ph.D.

Mathematics

Dinakar Ramakrishnan, Ph.D.

Taussky-Todd-Lonergan Professor of Mathematics

Gil Refael, Ph.D.

Taylor W. Lawrence Professor of Theoretical Physics

Thomas F. Rosenbaum, Ph.D.

Physics

Michael L. Roukes, Ph.D.

Frank J. Roshek Professor of Physics, Applied Physics and Bioengineering

Axel Scherer, Ph.D.

Bernard A. Neches Professor of Electrical Engineering, Applied Physics and Physics

Maria Spiropulu, Ph.D.

Shang-Yi Ch'en Professor of Physics

Charles C. Steidel, Ph.D.

Lee A. DuBridge Professor of Astronomy

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

David W. Morrisroe Professor of Physics

Saul Teukolsky, Ph.D.

Robinson Professor of Theoretical Astrophysics

Alan J. Weinstein, Ph.D.

Physics

Mark B. Wise, Ph.D.

John A. McCone Professor of High Energy Physics

Nai-Chang Yeh, Ph.D.

Physics

Xinwen Zhu, Ph.D.

Mathematics

Jonas Zmuidzinas, Ph.D.

Merle Kingsley Professor of Physics

Associate Professors

Dimitri P.Q. Mawet, Ph.D.

Astronomy

Xie Chen, Ph.D.

Theoretical Physics

Assistant Professors

Clifford Cheung, Ph.D.

Theoretical Physics

Manuel A. Endres, Ph.D.

Physics

James Fuller, Ph.D.

Theoretical Astrophysics

Gregg W. Hallinan, Ph.D.

Astronomy

Nicholas R. Hutzler, Ph.D.,

Physics

Philip Isett, Ph.D.

Mathematics

Mansi Kasliwal, Ph.D.

Astronomy

Evan Kirby, Ph.D.

Astronomy

David Simmons-Duffin, Ph.D.

Theoretical Physics

Omer Tamuz, Ph.D.

Economics & Mathematics

Instructors

Zavosh Amir-Khosravi, Ph.D.

Olga Taussky & John Todd, Mathematics

Justin Campbell, Ph.D.

Harry Bateman, Mathematics

Lei Chen, Ph.D.

Noether, Mathematics

Polona Durcik, Ph.D.

Harry Bateman, Mathematics

Oleg Ivrii, Ph.D.

Olga Taussky & John Todd, Mathematics

Kirill Lazebnik, Ph.D.

Harry Bateman, Mathematics

Aristotelis Panagiotopoulos, Ph.D.

Harry Bateman, Mathematics

Sarthak Parikh, Ph.D.

Olga Taussky & John Todd, Mathematics

Peter Smillie, Ph.D.

Harry Bateman, Mathematics

Daxin Xu, Ph.D.

Harry Bateman, Mathematics

Physics, Mathematics and Astronomy
Lecturers

Eric D. Black, Ph.D.
Physics
Ashay Burungale, Ph.D.
Mathematics
Sergi R. Hildebrandt, Ph.D.
Physics
Benjamin Krause, Ph.D.
Mathematics
Hien T. Nguyen, Ph.D.
Physics
You Qi, Ph.D.
Mathematics
Frank Rice, M.S.
Physics

Research Professors/
Senior Research Associates

Sean Carroll, Ph.D.
Physics
Bertrand Echenard, Ph.D.
Physics
Matthew Graham, Ph.D.
Astronomy
George Helou, Ph.D.
Physics
Richard A. Mewaldt, Ph.D.
Physics
David H. Reitze, Ph.D.
Physics
Mark Scheel, Ph.D.
Physics
Daniel M. Silevitch, Ph.D.
Physics

Research Assistant Professors/
Senior Research Fellows

Ashay Burungale, Ph.D.
Scott Russell Johnson, Mathematics
You Qi, Ph.D.
Sherman Fairchild, Mathematics
Jack Sayers, Ph.D.
Physics

Senior Faculty Associates

Charles Beichman, Ph.D.
Astronomy
Curt Cutler, Ph.D.
Physics

Faculty Associate

Todd Gaier, Ph.D.
Physics

Visiting Associates

Jie Bao, Ph.D.
Physics
James Bartlett, Ph.D.
Physics
Charles Matt Bradford, Ph.D.
Physics
Asantha Cooray, Ph.D.
Physics
Stanley Deser, Ph.D.
Theoretical Physics
Clive Dickinson, Ph.D.
Astronomy
Olivier Doré, Ph.D.
Theoretical Astrophysics
Richard Ellis, Ph.D.
Astronomy
Yejun Feng, Ph.D.
Physics
Chad Galley, Ph.D.
Physics
Paul Goldsmith, Ph.D.
Physics
Sergi R. Hildebrandt, Ph.D.
Astronomy
Christopher Hirata, Ph.D.
Physics
Roy J. Holt, Ph.D.
Theoretical Physics
Joseph W. Lazio, Ph.D.
Astronomy
Dariusz Lis, Ph.D.
Physics
Martino Lupini, Ph.D.
Mathematics
Walid Majid, Ph.D.
Experimental Astrophysics
Simona Mei, Ph.D.
Physics
David Meier
Astronomy
Hien T. Nguyen, Ph.D.
Physics
Shouleh Nikzad, Ph.D.  

*Astrophysics*

Roger O’Brient, Ph.D.  

*Physics*

David Poland, Ph.D.  

*Theoretical Physics*

Anamparambu N. Ramaprakash, Ph.D.  

*Astrophysics*

Michael Ramsey-Musolf, Ph.D.  

*Physics*

Vikram Ravi, Ph.D.  

*Physics*

Jason Rhodes, Ph.D.  

*Astronomy*

Graca Rocha, Ph.D.  

*Physics*

Ira Rothstein, Ph.D.  

*Theoretical Physics*

John Elie Sader, Ph.D.  

*Physics*

Michael Seiffert, Ph.D.  

*Astronomy*

Piotr Sulkowski, Ph.D.  

*Physics*

Kohji Tsumura, Ph.D.  

*Physics*

Michele Vallisneri, Ph.D.  

*Physics*

Felix von Oppen, Ph.D.  

*Theoretical Physics*

Michael Werner, Ph.D.  

*Astrophysics*

Mark E. Wiedenbeck, Ph.D.  

*Physics*

Alan C. Cummings, Ph.D.

Roc Cutri, Ph.D.

Richard Dekany, Ph.D.

Chung Wah (Warren) Fon, Ph.D.

Valery Frolov, Ph.D.

Joseph A. Giaime, Ph.D.

Carl Grillmair, Ph.D.

Eric K. Gustafson, Ph.D.

Keita Kawabe, Ph.D.

Davy Kirkpatrick, Ph.D.

Michael Landry, Ph.D.

Albert Lazzarini, Ph.D.

Janice Lee, Ph.D.

Richard A. Leske, Ph.D.

William Mahoney, Ph.D.

Keith Matthews, M.S.

Joseph Mazzarella, Ph.D.

Gregory Mendell, Ph.D.

Patrick Morris, Ph.D.

J. E. Brian O’Reilly, Ph.D.

Fredrick J. Raab, Ph.D.

Luisa M. Rebull, Ph.D.

Reed Riddle, Ph.D.

Norna A. Robertson, Ph.D.

Gary H. Sanders, Ph.D.

Richard Savage, Ph.D.

Patrick Shopbell, Ph.D.

David Shupe, Ph.D.

Daniel Sigg, Ph.D.

Nancy Sillerman, Ph.D.

Roger Smith, B.E.

Gordon Squires, Ph.D.

Harry Teplitz, Ph.D.

Schuyler Van Dyk, Ph.D.

Yun Wang, Ph.D.

David P. Woody, Ph.D.

Hiroaki Yamamoto, Ph.D.

Lin Yan, Ph.D.

Ren-Yuan Zhu, Ph.D.

Michael Zucker, Ph.D.

John Zweizig, Ph.D.

*Senior Postdoctoral Scholars*

Kirk Bays, Ph.D.  

*Physics*

Roland de Putter, Ph.D.  

*Physics*

Tomonari Miyashita, Ph.D.  

*Physics*

Esayas Shume, Ph.D.  

*Astronomy*

Si Xie, Ph.D.  

*Physics*

*Members of the Professional Staff*

Rachel Akeson, Ph.D.

Stuart Anderson, Ph.D.

Philip Appleton, Ph.D.

Jessica Arlett, Ph.D.

Lee Armus, Ph.D.

Thomas Barlow, Ph.D.

Bruce Berriman, Ph.D.

James Kent Blackburn, Ph.D.

Andrew Boden, Ph.D.

Julian Bunn, Ph.D.

Peter L. Capak, Ph.D.

Sean J. Carey, Ph.D.

Ranga Ram Chary, Ph.D.

David R. Ciardi, Ph.D.

Kieran A. Cleary, Ph.D.

Christina M. S. Cohen, Ph.D.

Walter R. Cook, Ph.D.

Dennis C. Coyne, M.S.
Postdoctoral Scholars

Scott Adams, Ph.D.
Astronomy

Anahita Alavi, Ph.D.
Astronomy

Victor Albert, Ph.D.
Lee DuBridge, Theoretical Physics

Igor Andreoni, Ph.D.
Astronomy

Ana Asenjo-Garcia, Ph.D.
Physics

Yuntao Bai, Ph.D.
Sherman Fairchild, Theoretical Physics

Ritoban Basu Thakur, Ph.D.
Physics

Yuval Baum, Ph.D.
Theoretical Physics

Jean-Baptiste Béguin, Ph.D.
Physics

Nadejda Blagorodnova Mujortova, Ph.D.
Astronomy

Carl Blair, Ph.D.
Physics

Clément Bonnerot, Ph.D.
Theoretical Astrophysics

Murray Brightman, Ph.D.
Physics

Michael Buchhold, Ph.D.
Physics

Maria Charisi, Ph.D.
Astronomy

Elodie Choquet, Ph.D.
Hubble, Astronomy

Riley Connors, Ph.D.
Physics

David Cook, Ph.D.
Astrophysics

Alexander Cooper-Roy, Ph.D.
Physics

Michael Coughlin, Ph.D.
David and Ellen Lee, Physics

Jacob Covey, Ph.D.
Richard Chace Tolman, Physics

Abigail Tinney Crites, Ph.D.
NSF, Physics

Behnam Darvish Sarvestani, Ph.D.
Physics

Iary Davidzon, Ph.D.
Astronomy

Mykola Dedushenko, Ph.D.
Sherman Fairchild, Theoretical Physics

Fabien Defrance, Ph.D.
Physics

Jacques Robert Delorme, Ph.D.
Astronomy

Jennifer Driggers, Ph.D.
Physics

Alberto de la Torre Duran, Ph.D.
Physics

Hannah Earnshaw, Ph.D.
Physics

Johannes Eichholz, Ph.D.
Physics

Andreas Faisst, Ph.D.
Astronomy

Philippe Faist, Ph.D.
Theoretical Physics

Kevin Fogarty, Ph.D.
Troesh, Astronomy

Ulf Kristoffer Fremling, Ph.D.
Astronomy

Javier Garcia, Ph.D.
Physics

Shea Garrison-Kimmel, Ph.D.
Einstein, Theoretical Astrophysics

Davide Gerosa, Ph.D.
Einstein, Theoretical Astrophysics

Daniel Goldstein, Ph.D.
Hubble, Physics

Arbel Haim, Ph.D.
Sherman Fairchild, Theoretical Physics

Erika Hamden, Ph.D.
R.A. & G.B. Millikan, Physics

Matthew Hankins, Ph.D.
Astronomy

Kevin Hardegree-Ullman, Ph.D.
Astronomy

François Hebert, Ph.D.
Theoretical Astrophysics

Marianne Heida, Ph.D.
Astrophysics

Shoubaneh Hemmati, Ph.D.
Astrophysics

Nina Hernitschek, Ph.D.
Astronomy

Keri Hoadley, Ph.D.
David & Ellen Lee, Physics

Po-Shen Hsin, Ph.D.
Theoretical Physics

Yichen Huang, Ph.D.
Physics

Cameron Hummels, Ph.D.
NSF, Astronomy

Suoqing Ji, Ph.D.
Sherman Fairchild, Theoretical Astrophysics

Shenghan Jiang, Ph.D.
Theoretical Physics
Tomas Jochym O'Connor, Ph.D.
  Theoretical Physics
Brittany Kamai, Ph.D.
  Physics
Kohtarō Kato, Ph.D.
  Theoretical Physics
Benjamin Krause, Ph.D.
  NSF, Mathematics
Richard Kueng, Ph.D.
  Physics
Michael Kuhn, Ph.D.
  Astronomy
Rahul Kumar, Ph.D.
  Physics
Gillian Kyne, Ph.D.
  Physics
Astrid Lamberts, Ph.D.
  Theoretical Astrophysics
Nicholas Laurita, Ph.D.
  Physics
Bomee Lee, Ph.D.
  Astronomy
Eve Lee, Ph.D.
  Sherman Fairchild, Theoretical Physics
Xiang Li, Ph.D.
  Physics
Dexu Lin, Ph.D.
  Physics
Ying-Hsuan Lin, Ph.D.
  Theoretical Physics
Nan Lu, Ph.D.
  Richard Chace Tolman, Physics
Wenbin Lu, Ph.D.
  David & Ellen Lee, Theoretical Astrophysics
Angelo Lucia, Ph.D.
  Sherman Fairchild, Theoretical Physics
Yiqiu Ma, Ph.D.
  Theoretical Astrophysics
Thomas Massinger, Ph.D.
  Physics
Anne Marie Medling, Ph.D.
  Hubble, Astronomy
David Meltzer, Ph.D.
  Sherman Fairchild, Theoretical Physics
Sean Mills, Ph.D.
  Astronomy
Kunal Mooley, Ph.D.
  Astronomy
Jordan Moxon, Ph.D.
  Theoretical Astrophysics
Charles McElroy, Ph.D.
  Astronomy
Jessica McIver, Ph.D.
  Physics
Lina Necib, Ph.D.,
  Sherman Fairchild, Theoretical Physics
Natalie Paquette, Ph.D.
  Sherman Fairchild, Theoretical Physics
Cristian Peña Herrera, Ph.D.
  Lederman, Physics
Yang Peng, Ph.D.
  Sherman Fairchild, Theoretical Physics
Eric Perlmutter, Ph.D.
  Theoretical Physics
Eric Petigura, Ph.D.
  Sagan, Astronomy
Abhishek Prakash, Ph.D.
  Astronomy
Zhongzhong Qin, Ph.D.
  Physics
Ewa Rej, Ph.D.
  Troesh, Physics
Jonathan Richardson, Ph.D.
  Physics
Alon Ron, Ph.D.
  Troesh, Physics
Arpita Roy, Ph.D.
  R.A. & G.B. Millikan, Astronomy
Garreth Ruane, Ph.D.
  NSF, Astronomy
Wesley Sacher, Ph.D.
  Physics
Mehmet Burak Sahinoglu, Ph.D
  Theoretical Physics
Grant Salton, Ph.D.
  Theoretical Physics
Prashant Saraswat, Ph.D.
  Theoretical Physics
Alessandro Schillaci, Ph.D.
  Physics
Kyle Seyler, Ph.D.
  R.A. & G.B. Millikan, Physics
Neil Sinclair, Ph.D.
  Physics
Kevin Slagle, Ph.D.
  Sherman Fairchild, Theoretical Physics
Simon Slutsky, Ph.D.
  Physics
Mikhail Solon, Ph.D.
  McCon, Theoretical Physics
Bryan Steinbach, Ph.D.
  Physics
Josephine Suh, Ph.D.
  Theoretical Physics

Physics, Mathematics and Astronomy
Trustees, Administration, Faculty

Ling Sun, Ph.D.  
*Physics*

Christopher M. Swank, Ph.D.  
*Physics*

Stephen Taylor, Ph.D.  
*Physics*

Alex Thomson, Ph.D.  
*Sherman Fairchild, Theoretical Physics*

Everard Van Nieuwenburg, Ph.D.  
*Theoretical Physics*

Joannes van Roestel, Ph.D.  
*Physics*

Jean-Roch Vlimant, Ph.D.  
*Physics*

Andrew Wade, Ph.D.  
*Physics*

Coral Wheeler, Ph.D.  
*Astronomy*

Quanzhi Ye, Ph.D.  
*Astronomy*

Marie Ygouf, Ph.D.  
*Astronomy*

Zhongxu Zhai, Ph.D.  
*Astronomy*

Michael Greene  
*Director for Communications and Education*

Cozette M. Hart  
*Director for Human Resources*

Sammy A. Kayali  
*Director for 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*

---

**Jet Propulsion Laboratory**

Administered by Caltech for the National Aeronautics and Space Administration

Michael Watkins, Director  
Larry D. James, Deputy Director

**Executive Council**

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*

---

Trustees, Administration, Faculty
OFFICERS AND FACULTY

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

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

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

Allan J Acosta, Ph.D., Richard L.
and Dorothy M. Hayman Professor of
Mechanical Engineering, Emeritus
B.S., Caltech, 1945; M.S., 1949;
Ph.D., 1952. Assistant Professor,
1954-58; Associate Professor, 1958-
66; Professor, 1966-90; Hayman
Professor, 1990-93. Hayman
Professor Emeritus, 1993-. Executive
Officer for Mechanical Engineering,
1988-93.

Fred C Adams, Visiting Associate in
Planetary Science
B.S., Iowa State University, 1983
; Ph.D., University of California
(Berkeley), 1988. Visiting Associate,
Caltech, 2011, 2018; Visiting
Professor, 2018.

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 Geochmetry and Global
Environmental Science
B.S., Haerford 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,
1993. Professor of Psychology
and Neuroscience, 2004-05; Bren
Professor, 2005-; Professor of
Biohgy, 2005-17; Davis Leadership
Chair, 2017--; Director, Caltech Brain
Imaging Center, 2008-13 and 2017-.

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

Theodor Agapie, Ph.D., 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
B.Tech., Indian Institute of
Technology of Madras, 2004; M.S.,
Stanford University, 2006; Ph.D.,
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, 2013-20.

Channing C Ahn, Lecturer in Applied Physics and Materials Science

Takuya Akashi, Visiting Associate in Biology and Biological Engineering

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; Ph.D., 2007. Associate Professor, Caltech, 2012-15; Professor, 2015-.

Clarence R Allen, Ph.D., Professor of Geology and Geophysics, Emeritus
B.A., Reed College, 1949; M.S., Caltech, 1951; Ph.D., 1954. Assistant Professor, 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-.

Nayef Masned Alsaifi, Visiting Associate in Chemical Engineering

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-.

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

Richard A Andersen, Ph.D., James G. Boswell Professor of Neuroscience; T&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; Ph.D, 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.

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-.

Philip Argyres, Visiting Associate in Theoretical Physics
B.A., Harvard University, 1984; Ph.D., Princeton University, 1989; Visiting Associate in Theoretical Physics, Caltech, 2017-18.

Jasmina Arifovic, Visiting Associate in Economics


Frances H Arnold Ph.D., D.h.c., *Linus Pauling Professor of Chemical Engineering, Bioengineering and Biochemistry; Director, Donna and Benjamin M. Rosen Bioengineering Center* B.S., Princeton University, 1979; Ph.D., University of California, 1985; D.h.c., Stockholm University. Visiting Associate, Caltech, 1986; Assistant Professor, 1987-92; Associate Professor, 1992-96; Professor, 1996-99; Professor of Chemical Engineering and Biochemistry, 1999-2000. Dickinson Professor, 2000-17; Pauling Professor, 2017-; Director, Rosen Bioengineering Center, 2013-.


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

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

Harry A Atwater, Ph.D., *Howard Hughes Professor of Applied Physics and Materials Science; Director, Joint Center for Artificial Photosynthesis* B.S., Massachusetts Institute of Technology, 1982; M.S., 1983; Ph.D., 1987. Assistant Professor, Caltech, 1988-94; Associate Professor, 1994-99; Professor of Applied Physics and Materials Science, 1999-2002; Howard Hughes Professor, 2002-; Director of Resnick Sustainability Institute, 2009-15; Director of Joint Center for Artificial Photosynthesis, 2014-.


Clare V Baker, *Visiting Associate in Biology and Biological Engineering* B.A., University of Cambridge, 1991;

Mark J Balas, Visiting Associate in Aerospace

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 Milikan 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; Milikan Professor, 2006-. President, 1997-2006; President Emeritus, 2006-.

Jie Bao, Visiting Associate in Physics

Peng Bao, Visiting Associate in Chemistry

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

James G Bartlett, Visiting Associate in Physics

Jacqueline K Barton Ph.D., D.Sc.h.c., D.L.h.c., John G. Kirkwood and Arthur A. Noyes Professor of Chemistry; Norman Davidson Leadership Chair, Division of Chemistry and Chemical Engineering
A.B., Barnard College, 1974; Ph.D., Columbia University, 1978; D.Sc.h.c., New Jersey Institute; Kenyon College; Yale University; Hamilton College; Williams College; Lawrence University; Columbia University; D.L.h.c., Skidmore College. Visiting Associate, Caltech, 1989; Professor, 1989--; Hanisch Professor, 1997-17. Division Chair, 2009-16; Davidson Leadership Chair, 2016--; Kirkwood-Noyes Professor, 2017--.

Frank S Bates Sc.D., Moore Distinguished Scholar
Konstantin Batygin, Ph.D., Assistant Professor of Planetary Science and Van Nuys Page Scholar

Elaine L Bearer, Visiting Associate in Biology

Jesse L (Jack) Beauchamp, Ph.D., Mary and Charles Ferkel Professor of Chemistry
B.S., Caltech, 1964; Ph.D., Harvard University, 1967. Noyes Research Instructor, Caltech, 1967-69; Assistant Professor, 1969-71; Associate Professor, 1971-74; Professor, 1974-2000; Ferkel Professor, 2000-.

James L (Jim) Beck, Ph.D., George W. Housner Professor of Engineering and Applied Science, Emeritus

Josette Bellan, Visiting Associate in Mechanical and Civil Engineering

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.

Helen M Bermudez, Lecturer in Biology
B.S., California Institute of Technology, 2009; Ph.D., University of Southern California, 2016. Caltech 2010-18.

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-.

Kathryn Bikle, Lecturer in Chemistry
B.A., University of California (Santa Cruz), 1981; M.A., University of California, 1984. Lecturer in Chemistry, Caltech, 2000-17;

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.

Adam Blank, Lecturer in Computing and Mathematical Sciences

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--.

Alexander S Blum, Visiting Associate in History of Science
VorDiplom, University of Leipzig, 2004; MSc, Michigan State University, 2005; PhD, University of Heidelberg, 2009. Caltech, 2017.

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

Kim C Border, 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 L 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,
Charles M (Matt) Bradford, Visiting Associate in Physics

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, 1983-89; Professor, 1990-99; Chevron Professor, 1999-; Professor of Mechanical Engineering, 2005-; Executive Officer for Chemical Engineering, 1993-99; 2013-.

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-.

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 F 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-; Broad Professor, 2003-16; Broad Professor, Emeritus, 2017-.

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

Alaina A Brinley, Visiting Associate in Electrical Engineering
B.A., Kalamazoo College, 2007; Ph. D., University of Texas Southwestern Medical Center, 2012; MD., 2016; Caltech, 2016-18.

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

Marianne Bronner, Ph.D., Albert Billings Ruddock Professor of Biology 
Sc.B., Brown University, 1975; 
Ph.D., Johns Hopkins University, 1979. Professor, Caltech, 1996-2000; 
Ruddock Professor, 2000-; Executive Officer, 2013-16.

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.

Alexander L (Alex) Brown, Visiting 
Associate in Economics 
B.S., Ohio State University, 
2003; M.S., California Institute of Technology, 2005; Ph.D., 2008. 
Caltech 2018.

Michael E (Mike) Brown, Ph.D., 
Richard and Barbara Rosenberg 
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; 
Rosenberg 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 
B.Sc., Technion-Israel Institute of 
Technology, 1982; M.Sc., 1985; 
Ph.D., Stanford University, 1989. 
Associate Professor, Caltech, 
1994-98; Professor, 1998-2001; 
Moore Professor, 2001-. Director, 
Information Science and Technology, 2003-05.

Oscar P Bruno, Ph.D., Professor 
of Applied and Computational 
Mathematics 
Lic., University of Buenos Aires, 
1982; Ph.D., New York University 
(Courant Institute of Mathematical 
Sciences), 1989. Associate Professor, 

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

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

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

Erin Burkett, Writing Specialist and Lecturer in STEM Writing and Communication; Lecturer in Engineering

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.

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

Joern Callies, Ph.D., Assistant Professor of Environmental Science and Engineering
M.S., University of Hamburg, Germany, 2011; Ph.D., Massachusetts Institute of Technology, 2015. 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

Robert A (Andy) Cameron, Senior Research Associate in Biology, Emeritus
B.A., San Jose State College, 1968; Ph.D., University of California (Santa Cruz), 1975. Visiting Associate, Caltech, 1984-85; Senior Research Fellow, 1985-89; Senior Research Associate, 1989-2015; Senior Research Associate, Emeritus, 2015--.

Stefano Campagnola, Lecturer in Computing and Mathematical Sciences

Judith L Campbell, Ph.D., Professor of Chemistry and Biology
B.A., Wellesley College, 1965; Ph.D., Harvard University, 1974. Assistant Professor of Chemistry, Caltech, 1977-83; Associate Professor, 1983-85; Associate Professor of Chemistry and Biology, 1985-89; Professor, 1989-.

Sean M Carroll, Research Professor of Physics
B.S., Villanova University, 1988; Ph.D., Harvard University, 1993. Caltech, 2006--.

William L Caton, Visiting Associate in Biology

Arup K Chakraborty, Ph.D., Moore Distinguished Scholar

Jean-Lou A Chameau Ph.D.,
D.Sc.h.c., President Emeritus
Ing., Ecole Nationale Superieure
D’Arts et Metiers, 1976; M.S., Stanford University, 1977; Ph.D., 1981; D.Sc.h.c., Occidental College. Professor of Civil Engineering, Environmental Science and Engineering, and Mechanical Engineering, 2006-13; Davidow Presidential Professor, 2013; President, 2006-13; President Emeritus, 2013-.

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.

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

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-.

Kianiantha M (Mani) Chandy, Ph.D., Simon Ramo Professor of Computer Science, Emeritus
B.Tech., Indian Institute of Technology, 1965; M.S., Polytechnic Institute of Brooklyn, 1966; Ph.D., Massachusetts Institute of Technology, 1969. Sherman Fairchild Distinguished Scholar, Caltech, 1988; Visiting Professor, 1988-89; Professor, 1989-97; Ramo Professor, 1997-2014; Ramo Professor, Emeritus, 2014-. Executive Officer for Computer Science, 1997-2000; Deputy Chair, 2009-12.

Ying Chau, Visiting Associate in Chemical Engineering

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

Yi-Chun Chen, Visiting Associate in Chemical Engineering

Wan Cheng, Visiting Associate in Aerospace

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-.

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

**Hyuck Choo, Visiting Associate in Electrical Engineering**

**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-.

**William M (Bill) Clemens, Jr., Ph.D., Professor of Biochemistry**
B.S., Virginia Polytechnic Institute and State University, 1995; Ph.D., University of Utah, 2000. Assistant Professor of Chemistry, Caltech, 2005-07; Assistant Professor of Biochemistry, 2007-13; Professor, 2013-.

**Elizabeth S Cochran, Visiting Associate in Geophysics**

**Donald S (Don) Cohen, Ph.D., Charles Lee Powell Professor of Applied Mathematics, Emeritus**

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

**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**
B.Sc., University of London: 1966,

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-. Research Fellow, Caltech, 1991-94; Senior Research Fellow, 1994-96; Visiting Associate, 2005-10; Lecturer, 2015-18.

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-.

David Conlon, Ph.D., Moore Distinguished Scholar in Mathematics

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, 2006-19.

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, 2005-18.

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; 2017; 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-.

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 M. Hayman Professor of Mechanical Engineering and Professor of Jet Propulsion, Emeritus
S.B., S.M., Massachusetts Institute of Technology, 1957; Ph.D., 1961. Research Fellow 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 Engineering, Emeritus, 1988-.

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

Curt J Cutler, 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–.

Christine Daley, Lecturer in Writing

Nathan F Dalleska, Lecturer in Geochemistry

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

Stephen H (Steve) Davis Ph.D.; D.Sc., Moore Distinguished Scholar
B.E.E., Rensselaer Polytechnic Institute, 1960; M.S., 1962; Ph.D., 1964; D.Sc., University of Western Ontario, 2001; Caltech, 2018–.

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; Assistant Professor, 1955–59; Associate Professor, 1959–66; Professor, 1966–86; Professor Emeritus, 1987–.

Marios D Demetriou, Visiting Associate in Applied Physics and Materials Science

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**

**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 2017-19.

**Robert A Desharnais, Visiting Associate in Computing and Mathematical Sciences**

**Clive Dickinson, Visiting Associate in Astronomy**

**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--.

**Mladen Dimitrov, Visiting Associate in Mathematics**

**Paul Dimotakis, Ph.D., John K. Northrop Professor of Aeronautics and Professor of Applied Physics**
B.S., Caltech, 1968; M.S., 1969; Ph.D., 1973. Research Fellow, 1973-74; Research Fellow and Lecturer, 1974-75; Assistant Professor, 1975-81; Associate Professor, 1981-85; Professor, 1986-95; Northrop Professor, 1995--; Jet Propulsion Laboratory Chief Technologist, 2006-11.

**Stanislav G 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--.

**Bruce J Dominguez, Lecturer in Mechanical and Civil Engineering**

**Patrick W Dondl, Visiting Associate in Mechanical and Civil Engineering**
Olivier P Dore, Visiting Associate in Theoretical Astrophysics

Dennis A Dougherty, Ph.D., George Grant Hoag Professor of Chemistry; Director, Beckman Institute
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; Director, 2018-.

Maria Laura (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-.

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-.

Polona Durcik, Harry Bateman Instructor in Mathematics

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), 1995; Ph.D., University of California, 2000. Instructor, Caltech, 2002-03; Assistant Professor, 2004; Associate Professor, 2004-10; Professor, 2010-16; Davis Professor, 2016-; Executive Officer, 2013-16.

Michelle Effros, Ph.D., George Van Osdl 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 Osdl Professor, 2013-.

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

John M Eiler, Ph.D., Robert P. Sharp Professor of Geology and Geochemistry
B.S., University of Iowa, 1989; M.S.,
University of Wisconsin (Madison), 1991; Ph.D., 1994. Research Fellow, Caltech, 1994-97; Senior Research Fellow 1997-98; Assistant Professor, 1998-2003; Associate Professor, 2003-06; Professor, 2006-; Sharp Professor, 2008-.

James P (Jim) Eisenstein, Ph.D.,
Frank J. Roshek Professor of Physics and Applied Physics, Emeritus
A.B., Oberlin College, 1974; Ph.D., University of California, 1980. Professor of Physics, Caltech, 1996-2004; Roshek Professor, 2004-05; Roshek Professor of Physics and Applied Physics, 2005-17; Roshek Professor, Emeritus, 2017-.

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-.

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

Richard S Ellis, Visiting Associate in Astronomy

Thomas M Ellis, Visiting Associate in Computing and Mathematical Sciences

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 Cherng Professor of Electrical Engineering and Medical Engineering; Investigator, Heritage Medical Research Institute; Executive Officer for Electrical Engineering
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, 2015-18; Executive Officer, 2018-.

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.

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

Pamela L Eversole-Cire, Visiting Associate in Biology

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-.

Jennifer L Factor, Lecturer in Poetry

Andrei Faraon, Ph.D., Professor of Applied Physics
B.S., California Institute of Technology, 2004; M.S., Stanford University, 2009; Ph.D., 2009. Visiting Associate, Caltech, 2011-12; Assistant Professor, 2012-18; Professor, 2018-.

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.

Mordechai Feingold, Ph.D., Professor of History

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

M. Houman Fekrazad, Visiting Associate in Medical Engineering

Antony R (Tony) Fender, Visiting Associate in Engineering

Yejun Feng, Visiting Associate in Physics

Bradley W Filippone, Ph.D., Francis L. Moseley Professor of Physics
B.S., Pennsylvania State University,
Stephen J Forman, Visiting Associate in Chemical Engineering

Alessandro Fortunelli, Visiting Associate in Chemistry

Abigail Fraeman, Visiting Associate in Planetary Science

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

Christian Frankenberg, Ph.D., Professor of Environmental Science and Engineering; Jet Propulsion Laboratory Research Scientist
B.S., University of Bayreuth, 2002; Ph.D., Ruprecht-Karls-Universitat Heidelberg, 2005. Assistant Professor, Caltech, 2015–18; Professor, 2018–; Jet Propulsion Laboratory Research Scientist, 2015–.

Steven C Frautschi, Ph.D., Professor of Theoretical Physics, Emeritus

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-.

Megumi Fujio, Lecturer in Japanese
B.A., Yamaguchi University, 1996;
M.A., University of Colorado
(Boulder), 2004; Ph.D., McGill

James (Jim) Fuller, Ph.D., Assistant
Professor of Theoretical Astrophysics
B.A., Whitman College, 2008; M.S.,
Cornell University, 2011; Ph.D.,
2014. Visiting Associate, Caltech
2017; Assistant Professor, 2017-.

Brent Fultz, Ph.D., Barbara and
Stanley R. Rawn, Jr., Professor of
Materials Science and Applied Physics
B.Sc., Massachusetts Institute of
Technology, 1975; M.Sc., University
of California, 1978; Ph.D., 1982.
Assistant Professor, Caltech, 1985-
90; Associate Professor, 1990-97;
Professor of Materials Science, 1997-
2002; Professor of Materials Science
and Applied Physics, 2003-13; Rawn
Professor, 2013-.

Todd C Gaier, Faculty Associate in
Physics
Ph.D., University of California (Santa
Barbara), 1993. Principal Staff,
Jet Propulsion Laboratory, 1996-.

Chad Galley, Visiting Associate in
Physics
B.Sc., University of Maryland, 2000;

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

Daniel A Garcia, Lecturer in Spanish
Lic., National University of Columbia,
1988; M.A., University of Southern

Jorge (Jordi) Garcia-Ojalvo, Visiting
Associate in Biology and Biological
Engineering
M.Sc., University of Barcelona, 1991;
Ph.D., 1995. Associate Professor,
Technical University of Catalonia,

Stefano Gattei, Visiting Associate in
History
Ph.D., University of Bristol, 2004.
Caltech, 2016-18

George R Gavalas, Ph.D., Professor
of Chemical Engineering, Emeritus
B.S., Technical University of
Athens, 1958; M.S., University
Assistant Professor, Caltech, 1964-
67; Associate Professor, 1967-75;
Professor, 1975-2002; Professor
Emeritus, 2002-.

Emmanuel Gdoutos, Visiting
Associate in Mechanical and Civil
Engineering
M.S., National Technical University
Clark B Millikan Visiting Professor
Caltech, 2017-18.

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
B.S. (Engineering and Applied
Science), Caltech, 1981; B.S.
(Electrical Engineering), 1982;
M.S., University of California (Los
Angeles), 1984. Lecturer in Applied
Science, Caltech, 1986-1991; Lecturer
in Computer Science and Electrical
Engineering, 1992-2015; Lecturer in
Merrill J Gerber, Lecturer in Creative Writing

Alireza Ghaffari, Lab Administrator for the Micro/Nano Center; Lecturer in Applied Physics and Materials Science
B.S., California State University, 1986; M.S., Caltech, 2008. Lecturer, 2005-09; 2010-18.

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, 2001-02; Liepmann Professor of Aeronautics and Bioengineering, 2002-06; Professor of Bioengineering, 2006-09; Professor of Bioinspired Engineering, 2009-13; Liepmann Professor, 2006-; 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.Á., Creighton University, 2010; M.A., University of Rochester, 2014; Ph.D., 2017; Caltech, 2017-.

Kevin M Gilmartin, Ph.D., William R. Kenan, Jr., 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, 2007-18; Kenan Professor, 2018-. 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-.

Robert M Gingrich, Lecturer in Finance

Elizabeth E Glater, Visiting Associate in Biology and Biological Engineering

William A (Bill) Goddard, Ph.D., Charles and Mary Ferkel Professor of Chemistry, Materials Science, and Applied Physics
B.S., University of California (Los Angeles), 1960; Ph.D., Caltech, 1965. Noyes Research Fellow 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., Professor of Biology
B.S., University of Wisconsin-Madison, 2001; Ph.D., Princeton University, 2006. Assistant Professor, Caltech, 2011-18; Professor, 2018-.

Peter Goldreich, Ph.D., Lee A. DuBridge Professor of Astrophysics and Planetary Physics, Emeritus
B.S., Cornell University, 1960;

Paul F Goldsmith, Visiting Associate in Astronomy

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, Ph.D., 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., Professor of Neuroscience 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, 2012-18; Professor, 2018-; HMRI Investigator, 2015-; Director, 2017-.

Matthew J Graham, Research Professor of Astronomy

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
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, 1990-.

Niccolo Guicciardini Corsi Salviati,
Francis Bacon Visiting Professor of History

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-.

Zheng Guo, Visiting Associate in Chemical Engineering

Michael C Gurnis, Ph.D., John E. and Hazel S. Smits 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. Smits Professor, 2005-. Associate Director, Seismological Laboratory, 1995-2003; Director, 2009-.

Mitchell Guttman, 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-.

Ryan G Hadt, Ph.D., Assistant Professor of Chemistry
B.S., University of Minnesota, Duluth, 2007; M.S., 2008; Ph.D., Stanford University, 2014; Visiting
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; Co-Director, Space-Based Solar Power Project
B.S., Sharif University of Technology, 1994; M.S., Stanford University, 1996; Ph.D., 1998. Assistant Professor, Caltech, 1998-2003; Associate Professor, 2003-06; Professor, 2006-10; Myers Professor, 2010-16; Bren Professor, 2016-; Executive Officer, 2015-18; Director, Information Science and Technology, 2015-16; Co-Director, 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-.

John M Harris, Visiting Associate in Geology

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, 2001-05; 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/Amgen Professor, 2013-16; Executive Officer, 2008-15; Associate Director, 2010-2012; Bohn Professor, 2016-.

Kristine I Haugen, Ph.D., Professor of English
B.A., University of Chicago, 1996;
M.A., Princeton University, 1998; Ph.D., 2001. Assistant Professor, Caltech, 2005-11; Professor, 2011-.

**Egill Hauksson, 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-.

**James R Heath, Visiting Associate in Chemistry**

B.Sc., Baylor University, 1984; M.A., Rice University, 1988; Ph.D., 1988; Professor, Caltech, 2003-17; Visiting Associate, 2018.

**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**


**Thomas Heinze, Visiting Associate in History of Science**


**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**


**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., University of Minnesota, 1988;
Christopher M Hirata, *Visiting Associate in Physics*  

Alexander V (Alex) Hirsh, 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, Executive Officer for the Humanities*  
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-; Executive Officer, 2018-.

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

Andre Hoelz, Ph.D., *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; Professor 2016-; HMRI Investigator, 2015-.

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, Caltech, 1980-81; Instructor, 1981-82; Assistant Professor, 1982-84; Associate Professor, 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.

Franca Karoline Olga (Franca) Hoffmann, *von Karman Instructor in Computing and Mathematical Sciences*  

Michael R Hoffmann, Ph.D., *John S. and Sherry Chen Professor of Environmental Science*  

Roy J Holt, *Visiting Associate in Theoretical Physics*  
B.S., Southern Methodist University, 1969; M.Phil., Yale University, 1971; Ph.D., 1972. Professor, University of Illinois, 1994-2001. Visiting Associate in Theoretical Physics, Caltech, 2017; Argonne Distinguished Fellow, 2007-.
Gerard J Holzmann, Visiting Associate in Computing and Mathematical Sciences

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-.

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

Julie A Hoy, Lecturer in Biology and Biological Engineering

Tzung K Hsiai, Visiting Associate in Medical Engineering

Elaine Y Hsiao, Visiting Associate in Biology and Biological Engineering

David Hsieh, Ph.D., Professor of Physics
B.S., Stanford University, 2003; Ph.D., Princeton University, 2009. Assistant Professor, Caltech, 2012-18; Professor, 2018-.
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
M.A. h.c., Harvard University; D.Sci.h.c., Wheaton College; Mt. Holyoke College; Medical College of Pennsylvania. Faculty Associate, Caltech, 1997-2007; Senior Faculty Associate, 2007-.

Kenneth W Hudnut, Visiting Associate in Geophysics

Francisco J Huera Huarte, Visiting Associate in Aerospace

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; Hayman Professor, 2013-; Executive Officer, 2002-2007; Vice Provost, 2007-14.

Rene Hurlemann, Visiting Associate in Psychology

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

Sonjong Hwang, Lecturer in Chemistry

Paul R Hyams, Visiting Associate in the Humanities

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

Philip (Phil) Isett, Ph.D., Assistant Professor of Mathematics
B.S., University of Maryland, 2008; Ph.D., Princeton University, 2013; Caltech, 2018-.

Rustem F Ismagilov, Ph.D., Ethel Wilson Boulware and Robert Boulware 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; Bowles 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-.

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

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-.

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

You sung Jung, Visiting Associate in Chemistry
M.S., Seoul National University, 1999; M.S., Iowa State University, 2001; Ph.D., University of California (Berkeley), 2005. Caltech, 2011-12; 2017-18.
Catherine Jurca, Ph.D., Professor of English
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, 2014-18.

Karanjit Kalsi, Visiting Associate in Computing and Mathematical Sciences
M. Eng., University of Sheffield, 2006; Ph.D., Purdue University, 2010. Caltech, 2017-18.

Hiroo Kanamori, Ph.D., John E. and Hazel S. Smits Professor of Geophysics, Emeritus
B.S., University of Tokyo, 1959; M.S., 1961; Ph.D., 1964. Research Fellow, Caltech, 1965-66; Professor, 1972-89; Smits Professor, 1989-2005; Smits Professor Emeritus, 2005-. Director, Seismological Laboratory, 1990-98.

Anton N Kapustin, Ph.D., Earle C. Anthony Professor of Theoretical Physics and Mathematics
M.S., Moscow State University, 1993; Ph.D., Caltech, 1997. Assistant Professor, 2001-04; Associate Professor, 2004-10; Professor, 2010-12; Earle C. Anthony Professor, 2012-.

Emil P Kartalov, Visiting Associate in Electrical Engineering

Mansi M Kasliwal, Ph.D., Assistant Professor of Astronomy
B.S., Cornell University, 2005; M.S., Caltech, 2007; Ph.D., 2010. 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; 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.

Mary B Kennedy, Ph.D., The Allen and Lenabelle Davis Professor of Biology
B.S., St. Mary's College, 1969; Ph.D., Johns Hopkins University, 1975. Assistant Professor, Caltech, 1981-84; Associate Professor, 1984-92; Professor, 1992-2002; Davis Professor, 2002-.

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

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.

**YoungHee Kim, Visiting Associate in Geophysics**

**H. J Kimble Ph.D., D.Sc.h.c., 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-.

**Richard E Kipling, Lecturer in Journalism**

**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) Kirschwink, 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-.

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

**Leah Klement, Postdoctoral Instructor in the Humanities**

**Dorit Kliemann, Lecturer in Psychology**

**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-.

**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-.
Monica D Kohler, Research Professor of Mechanical and Civil Engineering
A.B., Harvard University, 1988; Ph.D., Caltech, 1995. Assistant Research Engineer, University of California (Los Angeles), 1998-. Visiting Associate, Caltech, 2007-11; Lecturer, 2009, 2012, 2013; Research Assistant Professor, 2011-17; Research Professor, 2018-.

Masakazu (Mark) Konishi, Ph.D., Bing Professor of Behavioral Biology, Emeritus
B.S., Hokkaido University (Japan), 1956; M.S., 1958; Ph.D., University of California, 1963. Professor of Biology, Caltech, 1975-80; Bing Professor, 1980-13; Bing Professor, Emeritus, 2013-. Executive Officer for Biology, 1977-80.

Diana L Kormos-Buchwald, Ph.D., Robert M. Abbey 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, 2005-2017; Abbey Professor, 2018-.

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-.

Petros D Koumoutsakos, Ph.D., Moore Distinguished Scholar in Aerospace

J. M (Morgan) Kousser, Ph.D., 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, 2018-; Kenan Professor, 2013-18.

Anne J Kox, Visiting Associate in History

Benjamin Krause, Lecturer in Mathematics

Shrinivas R (Shri) Kulkarni Ph.D., D.h.c., George Ellery Hale Professor of Astronomy and Planetary Science

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-.
Kenichi Kuroda, Visiting Associate in Chemical Engineering

Christoph A Kuzmics, Visiting Associate in Economics

Jenijoy La Belle, Ph.D., Professor of English, Emeritus
B.A., University of Washington, 1965; Ph.D., University of California (San Diego), 1969. Assistant Professor of English, Caltech, 1969-76; Associate Professor, 1977-80; Associate Professor of Literature, 1980-88; Professor of Literature, 1988-2004; Professor of English, 2004-2007; Professor Emeritus, 2007-.

Paul F La Porte, Visiting Associate in Chemical Engineering

Jay A Labinger, Faculty Associate in Chemistry

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-.

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 Lavretsky, Lecturer in Computing and Mathematical Sciences

Kirill Lazebnik, Harry Bateman Instructor in Mathematics
B.A., State University of New York at Geneseo, 2012; Ph.D., Stony Brook University, 2017; Caltech, 2017-20.

Joseph Lazio, Visiting Associate in Physics

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

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.

Dubyun Lee, Visiting Associate in Applied Physics and Materials Science  

Jong Seok Lee, Visiting Associate in Physics  

Jongho Lee, Visiting Associate in Medical and Electrical Engineering  

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  

Carmel Levitan, Visiting Associate in Biology and Biological Engineering  

Hans J (Joachim) Lewerenz, Visiting Associate in Applied Physics and Materials Science  

Daniel Lewis, Lecturer in History  

Nathan S (Nate) Lewis, Ph.D., George L. Argyros Professor and Professor of Chemistry  
B.S., Caltech, 1977; M.S., 1977; Ph.D., Massachusetts Institute of Technology, 1981. Associate Professor, Caltech, 1988-91; Professor, 1991-2001; Argyros Professor, 2002-.

Scott M Lewis, Visiting Associate in Applied Physics and Materials Science  

Chen Li, Visiting Associate in Applied Physics and Materials Science  

Dong Li, Visiting Associate in Medical Engineering  

Kenneth G Libbrecht, Ph.D., Professor of Physics  
B.S., Caltech, 1980; Ph.D., Princeton University, 1984. Visiting Associate in Solar Astronomy, Caltech, 1984; Assistant Professor of Astrophysics, 1984-89; Associate Professor, 1989-95; Professor of Physics, 1995-. Executive Officer, 1997-13.

Katrina A Ligett, Visiting Associate in Computing and Mathematical Sciences  
Fan-Chi Lin, Visiting Associate in Geophysics

Dariusz C (Darek) Lis, Visiting Associate in Physics

E J (John) List, Ph.D., Professor of Environmental Engineering Science, Emeritus
B.E., University of Auckland, 1961; M.E., 1962; Ph.D., Caltech, 1965. Research Fellow, 1965-66; Assistant Professor, 1969-72; Associate Professor, 1972-78; Professor, 1978-97; Professor Emeritus, 1997-. Executive Officer for Environmental Science, 1980-85.

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; 2014-18.

Junjie Liu, Visiting Associate in Environmental Science and Engineering

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, 2013-20.

Alexis Livanos, Visiting Associate in Aerospace

Alessandro S Lizzieri, Ph.D., Moore Distinguished Scholar

Joerg F Loeffler, Visiting Associate in 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; 2017-18.

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

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

Gary A Lorden, Ph.D., Professor of Mathematics, Emeritus
B.S., Caltech, 1962; Ph.D., Cornell University, 1966. Assistant Professor, Caltech, 1968-71; Associate Professor, 1971-77; Professor, 1977-2009; Professor Emeritus, 2009-. Dean of Students, 1984-88; Vice President for Student Affairs, 1989-98; Acting Vice President, 2002; Executive Officer for Mathematics, 2003-2006.

Zev Lovinger, Visiting Associate in Mechanical and Civil Engineering

Steven H Low, Ph.D., Frank J. Gilloon Professor of Computer Science and Electrical Engineering
B.S., Cornell University, 1987; M.S., University of California, 1989; Ph.D., 1992. Associate Professor, Caltech,
Jonathan Lunine, Ph.D., Visiting Associate in Planetary Science
B.S., University of Rochester, 1980; M.S., California Institute of Technology, 1983; Ph.D., 1985; Moore Distinguished Scholar, 2018; Visiting Professor, 2018; Visiting Associate, 2018-19.

Martino Lupini, Visiting Associate in Mathematics
B.Sc, University of Parma, 2008; M.Sc, University of Pisa, 2010; Ph.D., York University, 2015. Caltech, 2018-19.

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

Xiaoyu Lyu, Visiting Associate in Electrical Engineering

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., LOMI Mathematics Institute (Leningrad), 1986. Visiting Professor, Caltech, 1991; Professor, 1991-13; Merkin Professor, 2013-.

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-.

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, Ph.D., Assistant Professor of Electrical Engineering
B.S., University of Tehran, 2006; M.S., University of Victoria, 2008; Ph.D., Stanford University, 2013. Visiting Associate, Caltech, 2017-18; Assistant Professor, 2018-.

Matilde Marcolli, Ph.D., 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-.


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-.


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

John P McCutcheon, Visiting Associate in Biology and Biological Engineering
B.S., University of Wisconsin

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-.

Lydia Mechtenberg, Visiting Associate in Economics

Barry Megdal, Visiting Associate in Electrical Engineering
B.S., Caltech, 1977; M.S., 1978; Ph.D., 1983. Lecturer, Caltech, 1992-2018; Visiting Associate, 2018-

Simona Mei, Visiting Associate in Astronomy

David I. Meier, Visiting Associate in Astronomy

Daniel I (Dan) Meiron, Ph.D., Fletcher Jones Professor of Aeronautics and Applied and Computational Mathematics

Markus Meister, Ph.D., Anne P. and Benjamin F. Biaggini Professor of Biological Sciences; Executive Officer for Neurobiology
Dipl., Technische Universitat Munchen, 1980; Ph.D., Caltech, 1987. Moore Distinguished Scholar, Caltech,
Michael Mello, Lecturer in Mechanical and Civil 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-.

Elliot Meyerowitz Ph.D., D.h.c., D.Sc.h.c., George W. Beadle Professor of Biology; Investigator, Howard Hughes Medical Institute  
A.B., Columbia University, 1973; M.Phil., Yale University, 1975; Ph.D., 1977; D.h.c., École Normale Supérieure; D.Sc.h.c., Yale University. Assistant Professor, Caltech, 1980-85; Associate Professor, 1985-89; Professor, 1989-2002; Beadle Professor, 2002-; HHMI Investigator, 2013--; Executive Officer, 1995-2000; Chair, Division of Biology, 2000-10.

Charles E Miller, Visiting Associate in Environmental Science and Engineering  

Thomas F (Tom) Miller III, 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-.

Betsy 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; 2016-19.

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

Kamran Mohseni, Visiting Associate in Aerospace  
B.S., Iran University of Science and Technology, 1990; M.S., Imperial College, 1993; Ph.D., California Institute of Technology, 2000; Caltech, 2017-18.

Louis Moresi, Visiting Associate in Geophysics  

Officers and Faculty
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.Sc.h.c.,
Manhattan College. Associate
Professor of Environmental Health
Engineering, Caltech, 1965-69;
Professor, 1969-87; Goldberger
Professor of Environmental
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.

Hossein Mosallaei, Visiting Associate
in Applied Physics and Materials Science
Ph.D., University of California Los

Olexei 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-.

Christian Mueller, Visiting Associate
in Computing and Mathematical
Sciences
M.S., Graz University of Technology,

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

Hilary Mushkin, Research Professor
of Art and Design in Mechanical and
Civil Engineering
B.F.A., Rhode Island School of
Design, 1991; M.F.A., University of
California, Irvine, 1994. Caltech,

Roger B Myerson, Ph.D., Moore
Distinguished Scholar
B.A., Harvard University, 1973; Ph.D.,
1976. Visiting Associate, Caltech,
2016; Moore Distinguished Scholar,
2017.

Jay L Nadeau, Research Professor of
Medical Engineering and Aerospace
Ph.D., University of Minnesota, 1996.
Visiting Associate, 2002-04; 2014-15,

Stevan Nad Perge, Ph.D., Assistant
Professor of Applied Physics and Materials
Science
M.S., Belgrade University, 2006;
Ph.D., Delft University of Technology,
2010. Visiting Associate, Caltech,
2015; Assistant Professor, 2016- .

SungWoo Nam, Visiting Associate in
Applied Physics and Materials Science
B.S., Seoul National University, 2002;
M.A., Harvard University, 2007;
Ph.D., 2011. Assistant Professor,
University of Illinois at Urbana-

Thomas A Neenan, Lecturer in Music
B.F.A., California State University
(Northridge), 1977; M.F.A.,
University of California (Los

Paul S Nerenberg, Visiting Associate in Planetary Science

Dianne K Newman, Ph.D., Gordon M. Binder/Amgen Professor of Biology and Geobiology; Allen V. C. Davis and Lenabelle Davis Leadership Chair, Center for Environmental Microbial Interactions; Executive Officer for Molecular Biology
B.A., Stanford University, 1993; Ph.D., Massachusetts Institute of Technology, 1997. Clare Booth Luce Assistant Professor, Caltech, 2000-05; Associate Professor, 2005-06; Professor, 2006-16; HHMI Investigator, 2005-07, 2010-16; Binder/Amgen Professor, 2016-; Davis Leadership Chair, 2017-; 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 Politehnica 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-.

Marc A Nicolet, Ph.D., Professor of Electrical Engineering and Applied Physics, Emeritus
Ph.D., University of Basel, 1958.

Assistant Professor of Electrical Engineering, Caltech, 1959-65; Associate Professor, 1965-73; Professor, 1973-88; Professor of Electrical Engineering and Applied Physics, 1988-98; Professor Emeritus, 1998-.

Gunter Niemeyer, Visiting Associate in Mechanical and Civil Engineering

Shouleh Nikzad, Lecturer in Medical Engineering; Visiting Associate in Astrophysics

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

Roger C O’Brient, 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, Ph.D., Fred Kavli Professor of Theoretical Physics and Mathematics; Director, Burke Institute for Theoretical Physics
B.A., Kyoto University (Japan), 1984; M.A., 1986; Ph.D., University of Tokyo, 1989. Visiting Associate,
Caltech, 1999-2000; Professor, 2000-07; Kavli Professor, 2007-; Deputy Chair, 2010-15; Director, 2014-.

Yuki Oka, Ph.D., Assistant Professor of Biology

Mitchio Okumura, Ph.D., Professor of Chemical Physics
B.S., Yale University, 1979; M.S., 1979; C.P.G.S., University of Cambridge, 1980; Ph.D., University of California, 1986. Assistant Professor, Caltech, 1988-94; Associate Professor, 1994-2003; Professor, 2003-. Executive Officer, 2006-10.

Alison E Ondrus, Ph.D., Assistant Professor of Chemistry
B.Sc., University of Alberta, 2003; Ph.D., Massachusetts Institute of Technology, 2009. Caltech, 2017-.

Yizhar Or, Visiting Associate in Mechanical and Civil Engineering

Christiane H Orcel, Lecturer in French
M.A., Princeton University, 1987; Ph.D., 1992. Instructor, Caltech, 1990-93; Lecturer, 1993-95; 1995-.

Peter C Ordeshook, Ph.D., Professor of Political Science

Gabor Orosz, Visiting Associate in Computing and Mathematical Sciences

Victoria J Orphan, Ph.D., James Irvine Professor of Environmental Science and Geobiology
B.A., University of California (Santa Barbara), 1994; Ph.D., 2002. Assistant Professor, Caltech, 2004-2010; Associate Professor, 2010; Professor, 2010-16; James Irvine Professor 2016-.

Michael Ortiz, Ph.D., Frank and Ora Lee Marble Professor of Aeronautics and Mechanical Engineering
B.S., Polytechnic University of Madrid, 1977; M.S., University of California, 1978; Ph.D., 1982. Sherman Fairchild Distinguished Scholar, Caltech, 1994-95; Professor of Aeronautics and Applied Mechanics, 1995-2000; Professor of Aeronautics and Mechanical Engineering, 2000-04; Hayman Professor, 2004-13; Marble Professor, 2013-.

David O'Shaughnessy, Visiting Associate in English

Houman Owhadi, Ph.D., Professor of Applied and Computational Mathematics and Control and Dynamical Systems
B.S., Ecole Polytechnique (France), 1994; M.S., Ecole Nationale des Ponts et Chausses, 1997; Ph.D., Ecole Polytechnique Federale de Lausanne (Switzerland), 2001. Assistant Professor, Caltech, 2004-11; Professor, 2011-.

Lior S Pachter, Ph.D., Bren Professor of Computational Biology and Computing and Mathematical Sciences
B.S., 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,
Thomas R Palfrey III, Ph.D.,
*Flintridge Foundation Professor of Economics and Political Science*

Aristotelis Panagiotopoulos, *Harry Bateman Instructor*
B.S., National Technical University of Athens, 2012; Ph.D., University of Illinois at Urbana-Campaign, 2017; Caltech, 2017-20

D A (Dimitri) Papanastassiou,
*Visiting 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, 1999-2017; 2017-.

Sarthak Parikh, *Olga Taussky and John Todd Instructor*

Hyunwoong (HP) Park, *Visiting Associate in Environmental Science and Engineering*

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.

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-.

Ryan B Patterson, Ph.D., *Professor of Physics*
B.S., Caltech, 2000; Ph.D., Princeton University, 2007. Assistant Professor, Caltech, 2010-17; Professor, 2017-.

Volnei A Pedroni, *Visiting Professor of Electrical Engineering*

Sergio Pellegrino, Ph.D., *Joyce and Kent Kresa Professor of Aerospace and Civil Engineering; Jet Propulsion Laboratory Senior Research Scientist; Co-Director, Space-Based Solar Power Project*
Laurea, University of Naples, 1982; Ph.D., University of Cambridge, 1986. Professor, Caltech, 2007-2010; Kresa Professor, 2010-; Jet Propulsion Laboratory Senior Research Scientist, 2009-; Co-Director, 2016-.

Leora Peltz, *Visiting Associate in Applied Physics and Materials Science*

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, 2006-09; Bren Professor, 2010--; Executive Officer, 2013-15; Director, Resnick Sustainability Institute, 2015-.

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

Danny Petrasek, Visiting Associate in Medical Engineering; Lecturer in Biology and Biological Engineering

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

Gillian Pierce, Lecturer in 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.

George Pignan III, 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.

Ulrich Pinkall, Visiting Associate in Computing and Mathematical Sciences

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

Scott Ploen, Lecturer in Aerospace

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 Pluymers, Howard E. and Susanne C. Jessen Postdoctoral Instructor in the Humanities

Kirill B Pogorelskiy, Visiting Associate in Economics

David Poland, Visiting Associate in Theoretical Physics

Jarmila Polet, Visiting Associate in Geophysics

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, 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-.
Hendrik W Postma, Visiting Associate in Applied Physics and Materials Science

Trity Pourbahrami, Lecturer in Engineering

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

Thomas A (Tom) Prince, Ph.D., Ira S. Bowen Professor of Physics; Allen V. C. Davis and Lenabelle Davis Leadership Chair, Keck Institute for Space Studies; Jet Propulsion Laboratory Senior Research Scientist; Director, W. M. Keck Institute for Space Studies
B.S., Villanova University, 1970; M.S., University of Chicago, 1972; Ph.D., 1978. Research Fellow, Caltech, 1979-80; Robert A. Millikan Research Fellow, 1980-82; Senior Research Fellow, 1982-83; Assistant Professor, 1983-86; Associate Professor, 1986-92; Professor, 1992-16; Bowen Professor, 2017-; Davis Leadership Chair, Keck Institute for Space Studies, 2017-; Associate Director for Advanced Computer Research, 1995-2001; Director, Keck Institute, 2008-; Chief Scientist, Jet Propulsion Laboratory, 2001-06; Jet Propulsion Laboratory Senior Research Scientist, 2006-; Deputy Executive Officer, 2013-16;

David Prober, Ph.D., Professor of Biology
B.Sc., University of Manitoba, 1995; Ph.D., University of Washington, 2002. Assistant Professor, Caltech, 2009-2017; Professor, 2017-.

Carmie Puckett Robinson, Visiting Associate in Biology and Biological Engineering

Dale I Pullin, Ph.D., Robert H. Goddard Professor of Aeronautics
B.Sc., University of Melbourne, 1966; B.E., University of Sydney, 1968; Ph.D., University of London (Imperial College), 1974. Visiting Associate, Caltech, 1990; Professor, 1991-2006, von Karman Professor, 2006-2016; Goddard Professor, 2016-.

You Qi, Sherman Fairchild Research Assistant Professor
B.S., Tsinghua University China, 2006; M.P.H., Hong Kong University of Science and Technology, 2008; Ph.D., Columbia University, 2013. Caltech 2017-20.

Lulu Qian, Ph.D., Assistant Professor of Bioengineering
B.E., Southeast University, 2002; Ph.D., Shanghai Jiao Tong University, 2007. Caltech, 2013-.

Steven R Quartz, Ph.D., Professor of Philosophy
B.A., University of Western Ontario (Huron College), 1986; M.A., 1988; Ph.D., University of California (San Diego), 1993. Instructor, Caltech, 1998-99; Assistant Professor, 1999-2002; Associate Professor, 2002-10; Professor, 2010-.

Aleta Quinn, Ahmanson Postdoctoral Instructor in Philosophy of Science
Maksym Radziwill, Ph.D., Professor of Mathematics  
B.Sc., McGill University, 2009; Ph.D., University of California, Stanford, 2013; Caltech, 2018-.  

Eric M Rains, Ph.D., Professor of Mathematics  
B.A., Case Western Reserve University, 1991; B.S., 1991; M.S., 1991; Ph.D., Harvard University, 1995. Visiting Associate and Lecturer, Caltech, 2002; Professor, 2007-.  

Aditya Rajagopal, Visiting Associate in Electrical Engineering  

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

Anamparambu N (Ram) Ramaprakash, Visiting Associate in Astrophysics  

Christina M Ramirez, Visiting Associate in Economics  
B.S., University of Texas (Austin); M.S., California Institute of Technology, 1997; Ph.D., 1999. Caltech, 2017.  

Michael Ramsey-Musolf, Visiting Associate in Physics  
Ph.D., Princeton University, 1989. Professor, University of Wisconsin (Madison), 2007-. Visiting Associate, Caltech, 2001; 2007-20; 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-; Head Faculty in Residence, 2018-.  

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 Biological Engineering  

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

Carol W Readhead, 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. Lawrence 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-.

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

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

Leon Reubsaet, Visiting Associate in Chemistry

Jean-Paul Revel, Ph.D., Albert Billings Ruddock Professor of Biology, Emeritus
B.Sc., 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

Maxwell J Robb, Ph.D., Assistant Professor of Chemistry
B.S., Colorado School of Mines, 2009; Ph.D., University of California,
Santa Barbara, 2014; Visiting Associate, Caltech, 2017; Assistant Professor, 2017-.

**Graca M Rocha**, *Visiting Associate in Physics*
M.S., London University, 1992; Ph.D., University of Cambridge, 1997; Visiting Associate in Physics, Caltech, 2016-20.

**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, 2015-18.

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

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

**Ares J Rosakis, Ph.D.**, *Theodore von Karman Professor of Aeronautics and Mechanical Engineering*
B.Sc., University of Oxford, 1978; Sc.M., Brown University, 1980; Ph.D., 1982. Assistant Professor 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.

**Phoebus 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 Lela 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, 2008-19.

**George R Rossman, Ph.D.**, *Professor of Mineralogy*
B.S., Wisconsin State University, 1966; Ph.D., Caltech, 1971. Instructor, 1971; Assistant Professor,
764

Trustees, Administration, Faculty

1971-77; Associate Professor, 1977-83; Professor, 1983-2008; 2015-.

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 L Roukes, Ph.D., Frank J. Roshek Professor of Physics, Applied Physics, and Bioengineering
B.A., University of California (Santa Cruz), 1978; Ph.D., Cornell University, 1985. Associate Professor, Caltech, 1992-96; Professor of Physics, 1996-2002; Professor of Physics, Applied Physics, and Bioengineering, 2002-11; Abbey Professor, 2011-17; Roshek Professor, 2018-; Director, Kavli Nanoscience Institute, 2004-06; Co-Director, 2008-2013.

Jay Rubenstein, Visiting Associate in the Humanities

Jared Rubin, Visiting Associate in Economic History

Ueli Rutishauser, Visiting Associate in Biology and Bioengineering

David B Rutledge, Ph.D., Kiyo and Eiko Tomiyasu Professor of Engineering, Emeritus
B.A., Williams College, 1973; M.A., University of Cambridge, 1975; Ph.D., University of California, 1980. Assistant Professor, Caltech, 1980-84; Associate Professor, 1984-89; Professor, 1989-2001; Tomiyasu Professor, 2001-18; Tomiyasu Professor, Emeritus, 2018-. Executive Officer 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. 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, *Visiting Associate in English*

Konrad H Samwer, *Visiting Associate in Applied Physics and Materials Science*

Stanley P (Stan) Sander, *Visiting Associate in Planetary Science*

Suniti V Sanghavi, *Visiting Associate in Environmental Science and Engineering*

Anneila I Sargent Ph.D., D.Sc.h.c., *Ira S. Bowen Professor of Astronomy, Emeritus*
B.Sc., University of Edinburgh, 1963; M.S., Caltech, 1967; Ph.D., 1977; D.Sc.h.c., University of Edinburgh. Research Fellow, 1977-79; Member of the Professional Staff, 1979-88; Senior Research Fellow, 1988-90; Senior Research Associate, 1990-98; Professor, 1998-2004, 2016-17; Rosen Professor, 2004-13; Bowen Professor, 2013-16; Bowen Professor, Emeritus, 2018-; Associate Director, Owens Valley Radio Observatory, 1992-96; Executive Director, 1996-98; Director, 1998-2007; Director, Interferometry Science Center, 2000-03; Director, Michelson Science Center, 2003; Vice President, 2007-15.

Michael Savage, *Ahmanson Postdoctoral Instructor in History*

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-; Director, Kavli Nanoscience Institute, 2006-08; Co-Director, 2008-11.

Lukas W Schimmer, *Harry Bateman Research Instructor*

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 

Tapio Schneider, Ph.D., Theodore 
Y. Wu 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, 2010-18; Wu 
Professor, 2018-; Director, Linde 
Center, 2011-12; Executive Officer, 
2011-12; Jet Propulsion Laboratory 
Senior Research Scientist, 2016-.

Peter Schroeder, Ph.D., Shaler 
Arthur Hanisch Professor of Computer 
Science and Applied and Computational 
Mathematics 
B.S., Technical University of 
Berlin, 1987; M.S., Massachusetts 
Institute of Technology, 1990; 
M.A., Princeton University, 1992; 
Ph.D., 1994. Assistant Professor 
of Computer Science, Caltech, 
1995-98; Associate Professor, 
1998-2000; Associate Professor of 
Computer Science and Applied and 
Computational Mathematics, 2000-
01; Professor, 2001-13; Hanisch 
Professor, 2013-; Division Deputy 
Chair, 2012-15; Acting Director of 
the Center for Advanced Computing 

Leonard J Schulman, Ph.D., 
Professor of Computer Science 
B.S., Massachusetts Institute of 
Associate Professor, Caltech, 2000-
05; Professor, 2005-.

Wolfram Schultz, Visiting Associate 
in Neuroscience 
B.A., Universities of Hamburg 
and Heidelberg, 1971; M.D., 
University of Heidelberg, 1972; 
Ph.D., University of Fribourg, 1981. 
Professor, University of Cambridge, 
2001-. Visiting Associate, Caltech, 
2004-05; 2007; 2008; 2009; 2010-
12; 2013-15; 2016-17; 2018. Moore 
Distinguished Scholar, 2005-06.

Keith C Schwab, Ph.D., Professor of 
Applied Physics 
B.A., University of Chicago, 1990; 
Ph.D., University of California, 1996. 
Associate Professor, Caltech, 2009-
10; Professor, 2010--; Fletcher Jones 
Foundation Co-Director of the Kavli 
Nanoscience Institute, 2013-15.

John H Schwarz, Ph.D., Harold 
Brown Professor of Theoretical Physics, 
Emeritus 
A.B., Harvard College, 1962; Ph.D., 
University of California, 1966. 
Research Associate, Caltech, 1972-
81; Senior Research Associate, 1981-
85; Professor of Theoretical Physics, 
1985-89; Brown Professor, 1989-
2014; Brown Professor Emeritus, 
2015-.

Nicholas Z (Nick) Scoville, Ph.D., 
Francis L. Moseley Professor of 
Astronomy, Emeritus 
B.A., Columbia University, 1967; 
Ph.D., 1972. Professor, Caltech, 
1984-96; Moseley Professor, 
1996-2016; Moseley Professor, 
Emeritus, 2016-. Director, Owens 
Valley Radio Observatory, 1986-96. 
Executive Officer for Astronomy, 
2000-04.

Thayer Scudder, Ph.D., Professor of 
Anthropology, Emeritus 
A.B., Harvard College, 1952; 
Ph.D., Harvard University, 1960. 
Assistant Professor, Caltech, 1964-
66; Associate Professor, 1966-69; 
Professor, 1969-2000; Professor 
Emeritus, 2000-.

Charles T (Chip) Sebens, Ph.D., 
Assistant Professor of Philosophy 
B.S., Massachusetts Institute of 
Technology, 2009, M.St., University 
of Oxford, 2010, Ph.D., University of 
Michigan, 2015. Caltech, 2018-.
Kimberly A See, Ph.D., Assistant Professor of Chemistry
B.S. Colorado School of Mines, 2009; Ph.D., University of California, Santa Barbara, 2014; Visiting Associate, Caltech, 2017; Assistant Professor, 2017-.

Michael D Seiffert, Visiting Associate in Astronomy
B.S., Stanford University, 1986; Ph.D., University of California (Santa Barbara), 1994. Group Supervisor and Lead Scientist for Cosmology, Jet Propulsion Laboratory, 2004-.

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, 1990-2000.

Shaunak Sen, Visiting Associate in Computing and Mathematical Sciences

Peter C Sercel, Visiting Associate in Applied Physics and Materials Science

Alex L 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-.

Mona Shahgholi, Lecturer in Chemistry

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-.

Mikhail Shapiro, Ph.D., Assistant Professor of Chemical Engineering and Schlinger Scholar; 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-; Schlinger Scholar, 2017-.

Andrew A Shapiro-Scharlotta, Visiting Associate in Aerospace

Mohammad H Shehata, Visiting Associate in Biology and Biological Engineering
B.S., Cairo University, Egypt, 2001; Ph.D., University of Toyama, Japan, 2011. Caltech, 2016-19.

Joseph E Shepherd, Ph.D., C. L. Kelly Johnson Professor of Aeronautics and Mechanical Engineering; Allen V. C. Davis and Lenabelle Davis Leadership Chair, Student Affairs; 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-; Davis

Officers and Faculty
Leadership Chair, 2018–; Dean of Graduate Studies, 2009-15; Vice President for Student Affairs, 2015–.

Melanie M Sherazi, Howard E. and Susanne C. Jessen Postdoctoral Instructor in the Humanities

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–.

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–.

Athanassios 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–.

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 W 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. Biaggini Professor of Biological Sciences, Emeritus
B.S., City College of New York, 1959; Ph.D., Brandeis University, 1963. Professor, Caltech, 1982-86; Biaggini Professor, 1986-2005; Biaggini Professor Emeritus, 2005–; Chair, Division of Biology, 1995-2000.
Mark Simons, Ph.D., John W. and Herberta M. Miles Professor of Geophysics; Jet Propulsion Laboratory Chief Scientist
B.S., University of California (Los Angeles), 1989; Ph.D., Massachusetts Institute of Technology, 1995. Assistant Professor, Caltech, 1997-2003; Associate Professor, 2003-2007; Professor, 2007-17; Miles Professor, 2017-; Jet Propulsion Laboratory Chief Scientist, 2017-.

Denis Sipp, Visiting Associate in Mechanical and Civil Engineering

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-.

G J (Jeff) Snyder, Visiting Associate in Applied Physics and Materials Science

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.

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

Maria Spiropulu, Ph.D., Shang-Yi Ch‘en Professor of Physics
B.Sc., Aristotle University of Thessaloniki, 1993; M.A., Harvard University, 1995; Ph.D., 2000. Associate Professor, Caltech, 2008-11; Professor, 2011-17; Ch‘en Professor, 2017-.

Damian A Stanley, Visiting Associate in Psychology

Angelike Stathopoulos, Ph.D., Professor of Biology
B.A., University of California, 1992; Ph.D., Stanford University, 1998. Assistant Professor, Caltech, 2005-11; Professor, 2011-.

Charles (Chuck) Steidel, Ph.D., Lee A. DuBridge Professor of Astronomy

Eric D Stemp, Visiting Associate in Chemistry

Paul W Sternberg, Ph.D., Bren Professor of Biology
David J (Dave) Stevenson Ph.D.,
D.Sc., Marvin L. Goldberger Professor
of Planetary Science
B.S., Victoria University (New
Zealand), 1971; M.S., 1972; Ph.D.,
Cornell University, 1976; D.Sc.,
Victoria University. Associate
Professor, Caltech, 1980-84; Professor,
1984-95; Van Osdol Professor, 1995-
2011; Goldberger Professor, 2011-.
Chair, Division of Geological and

Joann M Stock, Ph.D., Professor of
Geology and Geophysics
B.S., Massachusetts Institute of
Technology, 1981; M.S., 1981; Ph.D.,
1988. Visiting Assistant Professor,
Caltech, 1990; Associate Professor,
1992-98; Professor, 1998-.

Edward M Stolper Ph.D., D.Sc.h.c.,
D.Phil.h.c., William E. Leonhard
Professor of Geology; Senior Advisor to
the Vice President for Development and
Institute Relations
A.B., Harvard College, 1974; M.Phil.,
University of Edinburgh, 1976; Ph.D.,
Harvard University, 1979; D.Sc.h.c.,
University of Bristol, University of
Edinburgh; D.Phil.h.c., Hebrew
University. Assistant Professor,
Caltech, 1979-82; Associate Professor,
1982-83; Professor, 1983-90; Leonhard
Professor, 1990-. 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; Senior Advisor,
2017-.

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-; Bowles Professor,

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 Chicago; University of
Southern California. Research Fellow,
Caltech, 1964-66; Senior Research
Fellow, 1967; Assistant Professor,
1967-71; Associate Professor, 1971-
76; Professor, 1976-94; Morrisroe
Professor, 1994-. 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, Jr., 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, 1969-75; 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;
Bren Professor, Caltech, 2016-.

John Styles, Moore Distinguished Scholar
B.A., University of Cambridge, 1971;
M.A., 1976. Head of M.A. Course
in the History of Design, Victoria
and Albert Museum, 1993-; Lecturer,
Caltech, 1995; Visiting Associate,
1996; Moore Distinguished Scholar,
2017-18.

Tsu-Te J (Judith) Su, Visiting Associate
in Biology and Biological Engineering
B.S., Massachusetts Institute of
Piotr Sułkowski, Visiting Associate in Theoretical Physics

Hua Sun, Visiting Associate in Computing and Mathematical Sciences

Wei Sun, Visiting Associate in Chemical Engineering

Mark R Swain, Visiting Associate in Planetary 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, 2005–13; Rosen Professor, 2013–; Ching Medical Engineering Leadership Chair, 2017–; Executive Officer for Electrical Engineering, 2005–08; Executive Officer for Medical Engineering, 2013–.

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–.

Armand R Tanguay, Visiting Associate in Biology and Biological Engineering

Robert D Tanner, Visiting Associate in Chemical Engineering

Vahid Tarokh, Ph.D., Moore Distinguished Scholar
M.S., University of Windsor, 1992; Ph.D., University of Waterloo, Ontario, 1995; Caltech, 2018.

Hugh P Taylor, Jr., Ph.D., Robert P. Sharp Professor of Geology, Emeritus

Joao Teixeira, Visiting Associate in Environmental Science and Engineering
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-.

Matthew 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., Nobel Laureate, 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 McCollum-William H. Corcoran Professor of Chemistry and Chemical Engineering; Carl and Shirley Larson Provostial Chair
B.S., Massachusetts Institute of Technology, 1974; M.S., University of Massachusetts, 1976; Ph.D., 1978; D.h.c., Eindhoven Technical University. McCollum-Corcoran Professor and Professor, Caltech, 1998-. Chair, Division of Chemistry and Chemical Engineering, 1999-2009; Director, Beckman Institute, 2011-17, Provost, 2017-; Larson Provostial Chair, 2017-.

Francois Tissot, Ph.D., Assistant Professor of Geochemistry
Diplôme d'Ingenieur, École National Supérieure de Géologie, 2009; M.Sc., Luleå University of Technology, 2009; Ph.D., University of Chicago, 2015. Caltech, 2018-.

Ritsuko H (Hirai-Toner) Toner, Lecturer in Japanese

Kip S Thorne Ph.D, D.Sc.h.c., D.h.c., L.H.D.h.c., Nobel Laureate, Richard P. Feynman Professor of Theoretical Physics, 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 McCollum-William H. Corcoran Professor of Chemistry and Chemical Engineering; Carl and Shirley Larson Provostial Chair
B.S., Massachusetts Institute of Technology, 1974; M.S., University of Massachusetts, 1976; Ph.D., 1978; D.h.c., Eindhoven Technical University. McCollum-Corcoran Professor and Professor, Caltech, 1998-. Chair, Division of Chemistry and Chemical Engineering, 1999-2009; Director, Beckman Institute, 2011-17, Provost, 2017-; Larson Provostial Chair, 2017-.

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&G Chen Center for Systems Neuroscience

B.S., Caltech, 1996; Ph.D., Harvard University, 2002. Assistant Professor, Caltech, 2008-2014; Professor, 2014--; T&G Chen Center for Systems Neuroscience Leadership Chair, 2017--; HHMI Investigator, 2015--; Director, 2017--.

Kohji Tsumura, Visiting Associate in Physics

B.S., Tohoku University, 2005; M.S., University of Tokyo, 2007; Ph.D., University of Tokyo, 2010. Caltech, 2018-21.

Carol C (Chace) Tydell, Lecturer in Biology


Christopher M (Chris) Umans, Ph.D., Professor of Computer Science; EAS Division Deputy Chair

B.A., Williams College, 1996; Ph.D., University of California, Berkeley, 2000. Assistant Professor, Caltech, 2002-08; Associate Professor, 2008-10; Professor, 2010--; EAS Division Deputy Chair, 2018--.

Carlo R (Carl) Urbinati, Visiting Associate in Biology and Biological Engineering


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., Kiyo and Eiko Tomiyasu Professor of Electrical Engineering

B.Sc., University of Calcutta, 1974; B.Tech., 1977; M.Tech., 1979; Ph.D., University of California (Santa Barbara), 1982. Assistant Professor, Caltech, 1983-88; Associate Professor, 1988-93; Professor, 1993-2018; Tomiyasu Professor, 2018--; Executive Officer for Electrical Engineering, 2002-05.

Joan S Valentine, Visiting Associate in Geobiology


Michele Vallisneri, Visiting Associate in Physics


John P Van Deusen, ME Shop Supervisor; Lecturer in Mechanical and Civil Engineering


David A Van Valen, Ph.D., Assistant Professor of Biology and Biological Engineering

B.S., Massachusetts Institute of Technology, 2003; Ph.D., Caltech, 2011; M.D., University of California Los Angeles, 2013; Visiting Associate, Caltech, 2017-18; Research Assistant Professor, 2018; Assistant Professor, 2018--.

David A Van Valen, Research Assistant Professor of Biology and Biological Engineering

B.S., Massachusetts Institute of Technology, 2003; Ph.D., Caltech, 2011; M.D., University of California Los Angeles, 2013; Visiting Associate, Caltech, 2017-18; Research Assistant Professor, 2018; Assistant Professor, 2018--.
of Technology, 2003; Ph.D., Caltech, 2011; M.D., University of California Los Angeles, 2013; Visiting Associate, Caltech, 2017-18; Research Assistant Professor, 2018; Assistant Professor, 2018-.

Jakob J van Zyl, Senior Faculty Associate in Electrical Engineering and Aerospace
B.Eng., University of Stellenbosch (South Africa), 1979; M.S., Caltech, 1983; Ph.D., 1986. Research Fellow in Electrical Engineering, 1986; Lecturer in Electrical Engineering and Planetary Science, 2001-07; Faculty Associate, 2007-11, Lecturer, 2008-14, 2015-17; Senior Faculty Associate, 2012-.

Michael C Vanier, Lecturer in Computing and Mathematical Sciences

Alexander J Varshavsky, Ph.D., Thomas Hunt Morgan Professor of Biology
B.S., Moscow State University, 1970; Ph.D., Institute of Molecular Biology, 1973. Smits Professor, Caltech, 1992-17; Morgan Professor, 2017-.


Michael A (Mike) Vicic, Lecturer in Chemical Engineering


Thomas G Vidick, Ph.D., 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, 2017-18; Professor, 2018-.


Petr Vogel, Senior Research Associate in Physics, Emeritus Ph.D., Joint Institute of Nuclear Research (USSR), 1966. Senior Research Fellow, Caltech, 1970-75; Research Associate, 1975-81; Senior Research Associate, 1981-2004; Lecturer, 1983-90; 1992; 1995-96; 1999-2000; 2006; Senior Research Associate Emeritus, 2004-.

Rochus E (Robbie) Vogt, Ph.D., R. Stanton Avery Distinguished Service Professor and Professor of Physics, Emeritus S.M., University of Chicago, 1957; Ph.D., 1961. Assistant Professor, Caltech, 1962-65; Associate Professor, 1965-70; Professor, 1970-82; 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 Biological 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 Biological Engineering M.S., University of Amsterdam, 1997; M.S., King’s College -
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

Lincoln A Wallen, Visiting Associate in Computing and Mathematical Sciences

Chong (Alex) Wang, Visiting Associate in Applied Physics and Materials Science

Kaihang Wang, Ph.D., Assistant Professor of Biology and Biological Engineering
B.S., University College, London, 2004; Ph.D., University of Cambridge, 2008. Assistant Professor, 2018-.

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-.

Lu Wang, Visiting Associate in Chemistry

Xiangyun Wang, Lecturer in Chinese

Zhen-Gang Wang, Ph.D., Dick and Barbara Dickinson 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, 2015-17; Dickinson Professor, 2017-.

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.

Lu Wei, Ph.D., Assistant Professor of Chemistry
B.S., Nanjing University, 2010; Ph.D., Colombia University, 2015. Visiting Associate, Caltech, 2017-18; Assistant Professor, 2018-.

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
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-; Executive Officer, 2008-14; Vice Provost, 2014-18; Chief Diversity Officer, 2015-18.

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-.

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 Science

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-.

Peter J Westwick, Lecturer in History

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--.


Richard M Wilson, Ph.D., Professor of Mathematics, Emeritus B.S., Indiana University, 1966; M.S., Ohio State University, 1968; Ph.D., 1969. Sherman Fairchild Distinguished Scholar, Caltech, 1976; Professor, 1980-2014; Professor Emeritus, 2014--.

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--.


Mark B Wise, Ph.D., John A. McConrree 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; McConrree 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.


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

Yi Xin, Ph.D., Assistant Professor of Economics
B.A., B.S., Peking University, 2012; M.A., Johns Hopkins University, 2014; Ph.D., 2018; Caltech, 2018-.

Haiyan Wu, Visiting Associate in Psychology

Daxin Xu, Harry Bateman Instructor Mathematics

Mingming Wu, Visiting Associate in Aerospace

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-.

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, 1952-55; Assistant Professor of Applied Mechanics, 1955-57; Associate Professor, 1957-61; Professor, 1961-66; Professor of Engineering Science, 1966-96; Professor Emeritus, 1996-.

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-.

Peter J Wyllie 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.

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, 1989-95; Associate Professor, 1995-97; 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.

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

Davit Zargarian, Visiting Associate in Chemistry
B.S., University of Toronto, 1985; M.S., University of Waterloo, 1987; Ph.D., University of Ottawa, 1992. Associate Professor, Universite de Montreal, 1999--. Caltech, 2001; 2018.

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

Yi Zhang, Visiting Associate in Environmental Science and Engineering

Zhiliang Zhang, Visiting Associate in Mechanical and Civil Engineering

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., Howard and Gwen Laurie Smits Professor of Biology
B.A., University of California (San Diego), 1977; Ph.D., Harvard University, 1983. Assistant Professor, Caltech, 1989-95; Associate Professor, 1995-1999. Professor, 1999-2017; Smits Professor, 2017--.

Jonas Zmuidzinas, Ph.D., Merle Kingsley Professor Physics; Director, Caltech Optical Observatories
B.S., Caltech, 1981; Ph.D., University of California, 1987. Assistant Professor, Caltech, 1989-95; Associate Professor, 1995--
2000; Professor 2000-10; Kingsley Professor, 2010-; Jet Propulsion Laboratory Senior Research Scientist, 2005-11; Jet Propulsion Laboratory Chief Technologist, 2011-16; Director, Micro-Devices Laboratory, Jet Propulsion Laboratory, 2007-11; Director, 2018-.