AWARDS AND HONORS

National awards and honors

American Academy of Arts and Sciences, Fellow:
Michael H. Dickinson, Esther M. and Abe M. Zarem Professor of Bioengineering
Thomas R. Palfrey III, Flintridge Foundation Professor of Economics and Political Science

American Association for the Advancement of Science, Section on Engineering, Fellow:
Nai-Chang Yeh, Professor of Physics

National Academy of Engineering, Member:
David A. Tirrell, Ross McCollum–William H. Corcoran Professor and Professor of Chemistry and Chemical Engineering, and Chair of the Division of Chemistry and Chemical Engineering

National Academy of Sciences, Member:
Frances H. Arnold, Dick and Barbara Dickinson Professor of Chemical Engineering and Biochemistry

National Aeronautics and Space Administration, Distinguished Service Medal:
Thomas A. Prince, Professor of Physics; Senior Research Scientist, Jet Propulsion Laboratory; and Director, W. M. Keck Institute for Space Studies

National Institutes of Health, 2008 NIH Director’s Pioneer Award:
Bruce A. Hay, Associate Professor of Biology

National Science Foundation, American Competitiveness and Innovation Fellowship:
Sossina M. Haile, Professor of Materials Science and Chemical Engineering

CAREER Award:
Azita Emami-Neyestanak, Assistant Professor of Electrical Engineering

Research!America, Builders of Science Award:
David Baltimore, Robert Andrews Millikan Professor of Biology

Sigma Xi, 2008 William Procter Prize for Scientific Achievement:
Charles Elachi, Vice President; Director, Jet Propulsion Laboratory; and Professor of Electrical Engineering and Planetary Science

U.S. News Media Group and the Center for Public Leadership, America’s Best Leaders 2008:
David Baltimore, Robert Andrews Millikan Professor of Biology
Fiona A. Harrison, Professor of Physics and Astronomy
International awards and honors

Commander of the British Empire, Recipient:
Richard S. Ellis, Steele Family Professor of Astronomy

European Mathematical Society, EMS Prize:
Alexei Borodin, Professor of Mathematics

Alexander von Humboldt Foundation, Humboldt Research Award:
Hiroshi Oguri, Fred Kavli Professor of Theoretical Physics
Kerry J. Vahala, Ted and Ginger Jenkins Professor of Information Science and Technology and Professor of Applied Physics

International Union of Theoretical and Applied Mechanics, Rodney Hill Prize in Solid Mechanics:
Michael Ortiz, Dotty and Dick Hayman Professor of Aeronautics and Mechanical Engineering

King Abdullah University of Science and Technology, Global Research Partnership Investigator:
Brian M. Stoltz, Ethel Wilson Bowles and Robert Bowles Professor of Chemistry

Mathematical Society of Japan, Takagi Lecturer:
Hiroshi Oguri, Fred Kavli Professor of Theoretical Physics

Norwegian Academy of Science and Letters, Kavli Prize in Astrophysics, Corecipient:
Maarten Schmidt, Francis L. Moseley Professor of Astronomy, Emeritus

Templeton Xiangshan Conference, Honoree:
Thomas G. Phillips, Altair Professor of Physics, and Director of the Caltech Submillimeter Observatory

Local honors

Twelfth Annual Griffith Observer Writing Contest, First Prize:
S. George Djorgovski, Professor of Astronomy

Awards and honors from professional societies

American Chemical Society, Award in Theoretical Chemistry:
William A. Goddard III, Charles and Mary Ferkel Professor of Chemistry, Materials Science, and Applied Physics

American Economic Association, 2008 Distinguished Fellow:
Charles R. Plott, Edward S. Harkness Professor of Economics and Political Science

American Geophysical Union, Charles William Bowie Medal:
Gerald J. Wasserburg, John D. MacArthur Professor of Geology and Geophysics, Emeritus

American Institute of Aeronautics and Astronautics, Fellow:
Josette Bellan, Visiting Associate in Mechanical Engineering, and Member of the Technical Staff, Jet Propulsion Laboratory
Sergio Pellegrino, Professor of Aeronautics and Civil Engineering

2008 Foundation Award for Excellence:
Jet Propulsion Laboratory

2008 Goddard Astronautics Award:
Charles Elachi, Vice President; Director, Jet Propulsion Laboratory; and Professor of Electrical Engineering and Planetary Science

American Mathematical Society, Leonard Eisenbud Prize for Mathematics and Physics, Corecipient:
Hiroshi Oguri, Fred Kavli Professor of Theoretical Physics

American Physical Society, Fellow:
Albert J. Lazzarini, Member of the Professional Staff, Laser Interferometer Gravitational-Wave Observatory (LIGO) Laboratory
Thomas A. Prince, Professor of Physics; Senior Research Scientist, Jet Propulsion Laboratory; and Director, W. M. Keck Institute for Space Studies

Outstanding Referee:
Stanley Deser, Visiting Associate in Theoretical Physics
Petr Vogel, Senior Research Associate in Physics, Emeritus

2009 Tom W. Bonner Prize:
Robert D. McKeown, Professor of Physics

2009 James C. McGroddy Prize for New Materials, Corecipient:
William L. Johnson, Ruben F. and Donna Mettler Professor of Engineering and Applied Science

Geological Society of America, 2008 Arthur L. Day Medal:
Kenneth A. Farley, W. M. Keck Foundation Professor of Geochemistry, and Chair of the Division of Geological and Planetary Sciences

Institute of Electrical and Electronics Engineers, Fellow:
Steven Low, Professor of Computer Science and Electrical Engineering

David Sarnoff Award, Corecipient:
Kerry J. Vahala, Ted and Ginger Jenkins Professor of Information Science and Technology and Professor of Applied Physics
Foundation awards

Clay Mathematics Institute, Clay Research Fellowship in Mathematics:
Adrian Ioana, Olga Taussky and John Todd Instructor in Mathematics

Camille and Henry Dreyfus Foundation, 2008 New Faculty Award:
Thomas F. Miller III, Assistant Professor of Chemistry

Gotham Prize Foundation, Gotham Prize for Cancer Research:
Alexander J. Varshavsky, Howard and Gwen Laurie Smits Professor of Cell Biology

Peter and Patricia Gruber Foundation, 2008 Gruber Cosmology Prize:
J. Richard Bond, Visiting Associate in Theoretical Astrophysics

Fannie and John Hertz Foundation, Hertz Fellow:
Todd R. Gingrich, Undergraduate in Chemistry, Class of ’08

Howard Hughes Medical Institute, Investigator:
David C. Chan, Associate Professor of Biology
Michael Elowitz, Assistant Professor of Biology and Applied Physics, and Bren Scholar
Grant J. Jensen, Associate Professor of Biology

John D. and Catherine T. MacArthur Foundation, Fellow:
Alexei Kitaev, Professor of Theoretical Physics and Computer Science

Research Corporation, Cottrell Scholar:
Gil Refael, Associate Professor of Theoretical Physics

Alfred P. Sloan Foundation, Research Fellow:
Christopher M. Hirata, Assistant Professor of Astrophysics
Christina D. Smolke, Assistant Professor of Chemical Engineering

Corporate awards

Corporation for Education Network Initiatives in California (CENIC), CENIC 2008 Annual Innovations in Networking Award for Experimental/Developmental Applications:
Julian Bunn, Member of the Professional Staff
Harvey Newman, Professor of Physics

University honors

Universities Research Association, Fermilab/URA Graduate Thesis Award:
Ryan B. Patterson, Richard Chace Tolman Postdoctoral Scholar in Experimental Physics

University of Toronto, 2009 Welsh Lecturer:
John P. Preskill, John D. MacArthur Professor of Theoretical Physics

Institute honors

Endowed Professorships:
Michael E. Brown, Richard and Barbara Rosenberg Professor
Danny Calegari, Richard Merkin Distinguished Professor of Mathematics
Colin F. Camerer, Robert Kirby Professor of Behavioral Economics
William G. Dunphy, Grace C. Steele Professor of Biology
John M. Eiler, Robert P. Sharp Professor of Geology
Philip T. Hoffman, Rea A. and Lela G. Axline Professor of Business Economics
Pietro Perona, Allen E. Puckett Professor of Electrical Engineering
Jean-Laurent Rosenthal, Rea A. and Lela G. Axline Professor of Business Economics
George R. Rossman, Eleanor and John R. McMillan Professor of Mineralogy
Joseph E. Shepherd, C. L. “Kelly” Johnson Professor of Aeronautics
Brian M. Stoltz, Ethel Wilson Bowles and Robert Bowles Professor of Chemistry

Associated Students of the California Institute of Technology (ASCIT), 2007 Teaching Awards:
K. Mani Chandy, Simon Ramo Professor and Professor of Computer Science
Mathieu Desbrun, Associate Professor of Computer Science
Sarkis Mazmanian, Assistant Professor of Biology
Hugh David Politzer, Richard Chace Tolman Professor of Theoretical Physics
Joel A. Tropp, Assistant Professor of Applied and Computational Mathematics

Teaching Award for Research Mentor:
John M. Eiler, Professor of Geochemistry
Teaching Assistant Awards:
Aadel A. Chaudhuri, Graduate Student in Biology
Kristin R. Gleitsman, Graduate Student in Chemistry
Po-Ling Loh, Undergraduate in Mathematics, Class of ’08
Nahid Walji, Graduate Student in Mathematics

Staff Awards:
Peter Daily, Senior Director, Campus Dining
Kathryn Finigan, Administrative Assistant, Basic Applied Physics

Graduate Student Council, 2008 Mentoring Award:
Robert W. Clayton, Professor of Geophysics

Teaching Assistant Award:
James W. Swan, Graduate Student in Chemical Engineering
Christopher W. Wegg, Graduate Student in Physics
Ling Zheng, Graduate Student in Mechanical Engineering

Honorable Mention:
Flora I. Hinz, Graduate Student in Biology

Richard P. Feynman Prize for Excellence in Teaching, Recipient:
Zhen-Gang Wang, Professor of Chemical Engineering

Student awards
(members of the class of 2008, unless otherwise noted)

Amasa Bishop Summer Study Abroad Prize
Christina Theodoris (class of 2009)
Tania Banerji (class of 2009)

Churchill Scholarship
Vivek Narsimhan

Hertz Fellowship
Todd Gingrich
Amit Lakhanpal (graduate student; honorable mention)

National Defense Science and Engineering Graduate Fellowship
Alumni
Jacob Burnim
Dylan Owens
Kimberly Popendorf
David Rocklin
Raman Shah
Christopher Yu

Graduate Students
Jason Damazo
Benjamin Keitz
Jean Li
Roseanna Zia

Seniors
Elette Boyle
Elah Bozorg-Grayeli
Michael Grinolds
Yuan Liu
Mary Wahl

National Science Foundation Fellowship
Alumni
Rebecca Adler
Stephen Bannerman
Stanley Burgos (also a graduate student)
Regina Cheung
Meghan Crowley
Christopher George
Kenneth Heafield
Priya Kollipara
Kimberly Popendorf
John Sadowski
Raman Shah
Elisabeth Streit
Klementyna Szwaykowska
Vera te Velde

Graduate Students
Laura Book
Timothy Dulaney
Dawn Eriksen
Tara Gomez
Michael Grinolds
Rachel Klet
Annie Liu

Seniors
Katherine Breeden
Todd Gingrich
Edward Hsiao
Patrick Herring
Matthew Lew
Sonia M. Tikoo

Rhodes Scholarship
Todd Gingrich

San Pietro Travel Prize
(awarded to pairs of students)
Susan Shen and Shuyi Ma (class of 2009)
Zhonglin Zhang and Brandt Belson
Rene Davis and Nicholas Goeden

Strauss Scholarship
Thomas Oliver (class of 2009)

Thomas J. Watson Fellowship
Cindy Ko