DEPARTMENT OF MECHANICAL ENGINEERING

Faculty and Teaching Staff

Evelyn N. Wang, PhD
Gail E. Kendall (1978) Chair
Professor of Mechanical Engineering
Head, Department of Mechanical Engineering

Rohit N. Karnik, PhD
Professor of Mechanical Engineering
Associate Department Head for Education

Pierre F. J. Lermusiaux, PhD
Professor of Mechanical and Ocean Engineering
Associate Department Head for Operations

Professors

Rohan Abeyaratne, PhD
Quentin Berg (1937) Professor of Mechanical Engineering
Professor of Mechanical Engineering
(On leave, spring)

Triantaphylos R. Akylas, PhD
Professor of Mechanical Engineering

Lallit Anand, PhD
Warren and Townley Rohsenow Professor
Professor of Mechanical Engineering

H. Harry Asada, PhD
Ford Foundation Professor of Engineering
Professor of Mechanical Engineering

George Barbastathis, PhD
Professor of Mechanical Engineering
(On leave)

Klaus-Jürgen Bathe, ScD, PhD
Professor Post-Tenure of Mechanical Engineering

Mark Bathe, PhD
Professor of Biological Engineering
Professor of Mechanical Engineering

John G. Brisson II, PhD
Professor of Mechanical Engineering

Tonio Buonassisi, PhD
Professor of Mechanical Engineering and Manufacturing

Gang Chen, PhD
Carl Richard Soderberg Professor in Power Engineering
Professor of Mechanical Engineering

Wai K. Cheng, PhD
Professor of Mechanical Engineering

Chryssostomos Chryssostomidis, PhD
Henry L. Doherty Professor in Ocean Science and Engineering
Professor Post-Tenure of Mechanical and Ocean Engineering

Jung-Hoon Chun, PhD
Professor of Mechanical Engineering

Martin L. Culpepper, PhD
Professor of Mechanical Engineering
(On leave, fall)

Domitilla Del Vecchio, PhD
Professor of Mechanical Engineering

Nicholas Xuanlai Fang, PhD
Professor of Mechanical Engineering

Daniel Frey, PhD
Professor of Mechanical Engineering

Ahmed F. Ghoniem, PhD
Ronald C. Crane (1972) Professor
Professor of Mechanical Engineering

Lorna Gibson, PhD
Matoula S. Salapatas Professor of Materials Science and Engineering
Professor of Mechanical Engineering

Leon R. Glicksman, PhD
Professor Post-Tenure of Building Technology
Professor Post-Tenure of Mechanical Engineering

Stephen C. Graves, PhD
Abraham J. Siegel Professor of Management
Professor of Operations Management and Leaders for Global Operations
Professor of Mechanical Engineering
Graduate Officer, Institute for Data, Systems, and Society

Linda G. Griffith, PhD
School of Engineering Professor of Teaching Innovation
Professor of Biological Engineering
Professor of Mechanical Engineering

Alan J. Grodzinsky, ScD
Professor of Biological Engineering
Professor of Electrical Engineering
Professor of Mechanical Engineering

Timothy G. Gutowski, PhD
Professor of Mechanical Engineering

Nicolas Hadjicostantinou, PhD
Professor of Mechanical Engineering
David E. Hardt, PhD
Ralph E. and Eloise F. Cross Professor in Manufacturing
Professor of Mechanical Engineering

A. John Hart, PhD
Professor of Mechanical Engineering
(On leave, spring)

Douglas Hart, PhD
Professor of Mechanical Engineering

John B. Heywood, ScD, PhD
Sun Jae Professor Emeritus of Mechanical Engineering
Professor of Mechanical Engineering

Neville Hogan, PhD
Sun Jae Professor in Mechanical Engineering
Professor of Brain and Cognitive Sciences

Anette E. Hosoi, PhD
Neil and Jane Pappalardo Professor
Professor of Mechanical Engineering
Professor of Mathematics
Associate Dean, School of Engineering
Member, Institute for Data, Systems, and Society

Ian Hunter, PhD
George N. Hatsopoulos Professor in Thermodynamics
Professor of Mechanical Engineering
(On leave)

Roger Dale Kamm, PhD
Cecil H. Green Distinguished Professor Post-Tenure
Professor Post-Tenure of Mechanical Engineering
Professor Post-Tenure of Biological Engineering

Sang-Gook Kim, PhD
Professor of Mechanical Engineering

Sanjay E. Sarma, PhD
Fred Fort Flowers (1941) and Daniel Fort Flowers (1941) Professor
Professor of Mechanical Engineering
Vice President for Open Learning

John H. Lienhard, PhD
Abdul Latif Jameel Professor of Water and Food
Professor of Mechanical Engineering

Seth Lloyd, PhD
Professor of Mechanical Engineering

Nicholas Makris, PhD
William I. Koch Professor
Professor of Mechanical and Ocean Engineering
(On leave, fall)

Scott R. Manalis, PhD
Andrew (1956) and Erna Viterbi Professor
Professor of Biological Engineering
Professor of Mechanical Engineering
Associate Head, Department of Biological Engineering

Gareth H. McKinley, PhD
School of Engineering Professor of Teaching Innovation
Professor of Mechanical Engineering

David M. Parks, PhD
Professor of Mechanical Engineering

Anthony T. Patera, PhD
Ford Foundation Professor of Engineering
Professor of Mechanical Engineering

Nicholas M. Patrikalakis, PhD
Kawasaki Professor of Engineering
Professor of Mechanical and Ocean Engineering

Thomas Peacock, PhD
Professor of Mechanical Engineering

Emanuel Michael Sachs, PhD
Professor of Mechanical Engineering

Sanjay E. Sarma, PhD
Fred Fort Flowers (1941) and Daniel Fort Flowers (1941) Professor
Professor of Mechanical Engineering
Vice President for Open Learning

Henrik Schmidt, PhD
Professor Post-Tenure of Mechanical and Ocean Engineering

Paul D. Sclavounos, PhD
Professor of Mechanical Engineering and Naval Architecture

Warren Seering, PhD
Weber-Shaughnessy Professor
Professor of Mechanical Engineering

Yang Shao-Horn, PhD
W. M. Keck Professor of Energy
Professor of Mechanical Engineering
Professor of Materials Science and Engineering
Alexander H. Slocum, PhD
Professor of Mechanical Engineering

Walter M. May and A. Hazel May Professor of Mechanical Engineering

Jean-Jacques E. Slotine, PhD
Professor of Mechanical Engineering
Professor of Information Sciences

Peter T. C. So, PhD
Professor of Biological Engineering
Professor of Mechanical Engineering

Alexandra H. Techet, PhD
Professor of Mechanical and Ocean Engineering

Russell L. Tedrake, PhD
Toyota Professor
Professor of Computer Science and Engineering
Professor of Aeronautics and Astronautics
Professor of Mechanical Engineering

Michael S. Triantafyllou, ScD
Henry L. Doherty Professor in Ocean Science and Engineering
Professor of Mechanical and Ocean Engineering

David L. Trumper, PhD
Professor of Mechanical Engineering

J. Kim Vandiver, PhD
Professor of Mechanical and Ocean Engineering

Kripa K. Varanasi, PhD
Professor of Mechanical Engineering

David Robert Wallace, PhD
Professor of Mechanical Engineering

Tomasz Wierzbicki, PhD
Professor Post-Tenure of Mechanical Engineering
Professor Post-Tenure of Applied Mechanics

James H. Williams Jr, PhD
Professor Post-Tenure of Teaching Excellence
Professor Post-Tenure of Mechanical Engineering

Maria Yang, PhD
Professor of Mechanical Engineering

Ioannis V. Yannas, PhD
Professor of Polymer Science and Engineering
Member, Health Sciences and Technology Faculty

Kamal Youcef-Toumi, ScD
Professor of Mechanical Engineering

Dick K. P. Yue, PhD
Philip J. Solondz (1948) Professor of Engineering
Professor of Mechanical Engineering
(On leave, spring)

Xuanhe Zhao, PhD
Professor of Mechanical Engineering
Professor of Civil and Environmental Engineering

Associate Professors
Lydia Bourouiba, PhD
Associate Professor of Civil and Environmental Engineering
Associate Professor of Mechanical Engineering
Affiliate Faculty, Institute for Medical Engineering and Science

Cullen R. Buie, PhD
Associate Professor of Mechanical Engineering

Ming Guo, PhD
Brit (1961) and Alex (1949) d'Arbeloff Career Development Professor
Associate Professor of Mechanical Engineering
(On leave, spring)

Asegun Henry, PhD
Robert N. Noyce Career Development Professor
Associate Professor of Mechanical Engineering

Kenneth N. Kamrin, PhD
Associate Professor of Mechanical Engineering

Jeehwan Kim, PhD
Associate Professor of Mechanical Engineering
Associate Professor of Materials Science and Engineering

Mathias Kolle, PhD
Associate Professor of Mechanical Engineering

Alberto Rodriguez, PhD
Associate Professor of Mechanical Engineering

Themistoklis Sapsis, PhD
Associate Professor of Mechanical and Ocean Engineering
Member, Institute for Data, Systems, and Society

Amos Winter, PhD
Tata Career Development Professor
Associate Professor of Mechanical Engineering

Assistant Professors
Faez Ahmed, PhD
Assistant Professor of Mechanical Engineering

Irmgard Bischofberger, PhD
Esther and Harold E. Edgerton Career Development Professor
Assistant Professor of Mechanical Engineering

Tal Cohen, PhD
Robert N. Noyce Assistant Professor
Assistant Professor of Civil and Environmental Engineering
Assistant Professor of Mechanical Engineering
Sili Deng, PhD  
Brit (1961) and Alex (1949) d’Arbeloff Career Development Professor  
Assistant Professor of Mechanical Engineering

Betar Gallant, PhD  
American Bureau of Shipping Career Development Professor  
Assistant Professor of Mechanical Engineering

Ashwin Gopinath, PhD  
Assistant Professor of Mechanical Engineering

Stefanie Mueller, PhD  
Assistant Professor of Electrical Engineering and Computer Science  
Assistant Professor of Mechanical Engineering  
(On leave, fall)

Carlos Portela, PhD  
Assistant Professor of Mechanical Engineering

Ellen Roche, PhD  
W.M. Keck Career Development Professor  
Assistant Professor of Mechanical Engineering  
Core Faculty, Institute for Medical Engineering and Science

Vivishek Sudhir, PhD  
Assistant Professor of Mechanical Engineering

Giovanni Traverso, PhD  
Assistant Professor of Mechanical Engineering

Wim van Rees, PhD  
Assistant Professor of Mechanical Engineering

Franz Hover, PhD  
Senior Lecturer in Mechanical Engineering

Barbara Hughey, PhD  
Senior Lecturer in Mechanical Engineering

Raymond S. McCord, MS, Eng  
Senior Lecturer in Mechanical Engineering

Alice Nasto, PhD  
Senior Lecturer in Mechanical Engineering

William Plummer, PhD  
Senior Lecturer in Mechanical Engineering

Amy Smith, MS, MEng  
Senior Lecturer in Mechanical Engineering

Abbott Weiss, PhD  
Senior Lecturer in Mechanical Engineering

Dawn Wendell, PhD  
Senior Lecturer in Mechanical Engineering

Daniel Whitney, PhD  
Senior Lecturer in Mechanical Engineering

Lecturers  
Kevin Cedrone, PhD  
Lecturer in Mechanical Engineering

Christina Chase, BA  
Lecturer in Mechanical Engineering

Julio Guerrero, PhD  
Lecturer in Mechanical Engineering

Rajiv Gupta, PhD  
Lecturer in Mechanical Engineering

Brian D. Hemond, PhD  
Lecturer in Mechanical Engineering

James DouglassPenn, PhD  
Lecturer in Mechanical Engineering

Joshua Ramos, PhD  
Lecturer in Mechanical Engineering

Mark L. Schattenburg, PhD  
Lecturer of Mechanical Engineering

Instructors  
Harrison Chin, PhD  
Instructor of Mechanical Engineering

Victor Hung, BS  
Instructor of Mechanical Engineering
Technical Instructors
Stephen G. Banzaert, MS
Technical Instructor of Mechanical Engineering
Paul Carson, BS
Technical Instructor of Mechanical Engineering
Benita Comeau, PhD
Technical Instructor of Mechanical Engineering
Daniel Gilbert, BA
Technical Instructor of Mechanical Engineering
Pierce Hayward, MS
Technical Instructor of Mechanical Engineering
Tasker Smith, BA
Technical Instructor of Mechanical Engineering
Wade Warman, MFA
Technical Instructor of Mechanical Engineering
Joseph Wight, BFA
Technical Instructor of Mechanical Engineering

Research Staff

Senior Research Scientists
Anuradha M. Annaswamy, PhD
Senior Research Scientist of Mechanical Engineering
Lynette A. Jones, PhD
Senior Research Scientist of Mechanical Engineering
Yuming Liu, PhD
Senior Research Scientist of Mechanical Engineering

Principal Research Engineers
Tian Tian, PhD
Principal Research Engineer of Mechanical Engineering

Principal Research Scientists
Brian Anthony, PhD
Principal Research Scientist of Mechanical Engineering
Michael Richard Benjamin, PhD
Principal Research Scientist of Mechanical Engineering
H. Igo Krebs, PhD
Principal Research Scientist of Mechanical Engineering

Research Associates
Chris Mirabito, PhD
Research Associate of Mechanical Engineering

Research Engineers
Kelli Hendrickson, ScD
Research Engineer of Mechanical Engineering

Research Scientists
Moises Alencastre Miranda, PhD
Research Scientist of Mechanical Engineering
Susan Elizabeth Amrose, PhD
Research Scientist of Mechanical Engineering
Shabab Babaee, PhD
Research Scientist of Mechanical Engineering
Jing Bai, PhD
Research Scientist of Mechanical Engineering
Rahul Bhattacharyya, PhD
Research Scientist of Mechanical Engineering
Svetlana V. Boriskina, PhD
Research Scientist of Mechanical Engineering
Micha Feigin-Almon, PhD
Research Scientist of Mechanical Engineering
Richard Fletcher, PhD
Research Scientist of Mechanical Engineering
Patrick Haley, PhD
Research Scientist of Mechanical Engineering
Neva Hanumara, PhD
Research Scientist of Mechanical Engineering
Stephen Ho, PhD
Research Scientist of Mechanical Engineering
Nora C. Hogan, PhD
Research Scientist of Mechanical Engineering
Hsin Ho Huang, PhD
Research Scientist of Mechanical Engineering
Ali Jahanian, PhD
Research Scientist of Mechanical Engineering
George E. Karniadakis, PhD
Research Scientist of Mechanical Engineering
Emmanuel Kasseris, MS
Research Scientist of Mechanical Engineering
Min Cheol Kim, PhD
Research Scientist of Mechanical Engineering
Michael Novitzky, PhD
Research Scientist of Mechanical Engineering
Mehdi Pishahang, PhD
Research Scientist of Mechanical Engineering

Ali Ramazani, PhD
Research Scientist of Mechanical Engineering

Themistocles L. Resvanis, PhD
Research Scientist of Mechanical Engineering

Zhenhua Rui, PhD
Research Scientist of Mechanical Engineering

Aaron Schmidt, PhD
Research Scientist of Mechanical Engineering

Santosh Shanbhogue, PhD
Research Scientist of Mechanical Engineering

Brian Subirana, PhD
Research Scientist of Mechanical Engineering

Shijing Sun, PhD
Research Scientist of Mechanical Engineering

Qingzi Zhu, PhD
Research Scientist of Mechanical Engineering

Henry S. Marcus, DBA
Professor Emeritus of Marine Systems

Chiang C. Mei, PhD
Ford Professor Emeritus of Engineering
Professor Emeritus of Civil and Environmental Engineering
Professor Emeritus of Mechanical Engineering

Borivoje Mikić, ScD
Professor Emeritus of Mechanical Engineering

Jerome H. Milgram, PhD
William I. Koch Professor Emeritus of Marine Technology
Professor Emeritus of Mechanical and Ocean Engineering

John Nicholas Newman, ScD
Professor Emeritus of Mechanical Engineering and Naval Architecture

Carl R. Peterson, ScD
Professor Emeritus of Mechanical Engineering

Ronald F. Probstein, PhD
Professor Emeritus of Mechanical Engineering

Derek Rowell, PhD
Professor Emeritus of Mechanical Engineering

Thomas B. Sheridan, ScD
Professor Emeritus of Engineering and Applied Psychology
Professor Emeritus of Aeronautics and Astronautics

Nam P. Suh, PhD
Ralph E. and Eloise F. Cross Professor Emeritus
Professor Emeritus of Mechanical Engineering

Neil E. Todreas, PhD
Professor Emeritus of Nuclear Science and Engineering
Professor Emeritus of Mechanical Engineering

Gerald L. Wilson, PhD
Vannevar Bush Professor Emeritus
Professor Emeritus of Electrical Engineering
Professor Emeritus of Mechanical Engineering

Professors Emeriti

Arthur B. Baggeroer, ScD
Professor Emeritus of Mechanical and Ocean Engineering
Professor Emeritus of Electrical Engineering

Mary C. Boyce, PhD
Ford Foundation Professor Emerita of Engineering
Professor Emerita of Mechanical Engineering

Ernest G. Cravalho, PhD
Professor Emeritus of Mechanical Engineering
Professor Emeritus of the Practice of Health Sciences and Technology

C. Forbes Dewey Jr, PhD
Professor Emeritus of Mechanical Engineering
Professor Emeritus of Biological Engineering

Steven Dubowsky, PhD
Professor Emeritus of Mechanical Engineering
Professor Emeritus of Aeronautics and Astronautics

David C. Gossard, PhD
Professor Emeritus of Mechanical Engineering

Peter Griffith, PhD
Professor Emeritus of Mechanical Engineering

Justin E. Kerwin, PhD
Professor Emeritus of Mechanical Engineering and Naval Architecture