



UNIVERSITY OF CALIFORNIA, BERKELEY

Civil and Environmental Engineering
Academy of Distinguished Alumni

Induction and Banquet for Class of 2014

The University Club
California Memorial Stadium
October 9, 2014

Civil and Environmental Engineering
Academy of Distinguished Alumni

Induction and Banquet for Class of 2014

The University Club
California Memorial Stadium
October 9, 2014

Gregory B. Baecher, Ph.D., NAE

G.L. Martin Institute Professor in Engineering, University of Maryland

John A. Baker, PE

Sr. Vice President (Ret.), Kleinfelder, Inc.

James M. Becker, Ph.D., PE

Corporate Sr. Vice President, Skanska USA Building, Inc.

Fred N. Finn, NAE

Consulting Civil Engineer (Ret.)

Elizabeth Hausler Strand, Ph.D.

Founder & CEO, Build Change

Susan S. Hubbard, Ph.D.

Director, Earth Sciences Division, Lawrence Berkeley National Laboratory

Robin K. McGuire, Ph.D., NAE

Lettis Consultants International, Inc.

Stephen G. Monismith, Ph.D.

Obayashi Professor, School of Engineering, and CEE Department Chair, Stanford University

Induction of 2013 Member

J. Michael Duncan, Ph.D., PE, NAE

University Distinguished Professor Emeritus, Virginia Tech

In Memoriam (Posthumous)

Charles Gilman Hyde (Hon. LLD, 1944)

Professor of Civil (Sanitary) Engineering, U.C. Berkeley (1905-1944)

Tung-Yen (T.Y.) Lin (MS, 1933)

*Founder of T.Y. Lin International and Professor of Civil (Structural) Engineering,
U.C. Berkeley (1946-1983)*

University of California, Berkeley

College of Engineering

S. Shankar Sastry, Dean

Fiona M. Doyle, Executive Associate Dean

Department of Civil and Environmental Engineering (CEE)

Samer M. Madanat, Department Chair

Sanjay Govindjee, Vice Chair for Academic Affairs

Claudia Ostertag, Vice Chair for Research and Technical Services

CEE Academy of Distinguished Alumni

BOARD OF DIRECTORS

Rudolph Bonaparte, Chair

David A. Friedman, Vice Chair

Adib K. Kanafani

Richard G. Luthy

Samer M. Madanat

Stephen A. Mahin

Nicholas Sitar

PROGRAM

5:30-6:30 PM RECEPTION – The University Club

6:30 PM DINNER – The University Club

6:30 PM CALL TO ORDER & INTRODUCTION OF DEAN DOYLE

SAMER M. MADANAT, Xenel Professor of Engineering and Chair, Department of Civil and Environmental Engineering

6:35-6:40 PM WELCOME FROM THE COLLEGE

FIONA M. DOYLE, Executive Associate Dean, College of Engineering

6:40-7:00 PM PERFORMANCE BY THE CAL GOLDEN OVERTONES

7:15 PM DESSERT

7:15-7:25 PM OVERVIEW OF THE ACADEMY OF DISTINGUISHED ALUMNI AND RECOGNITION/ACKNOWLEDGEMENT OF SPONSORS

NICHOLAS SITAR, Edward G. Cahill and John R. Cahill Professor, Department of Civil and Environmental Engineering

7:25-7:35 PM OVERVIEW OF CEE UROP AND INTRODUCTION TO PROGRAM

SAMER M. MADANAT

7:35-8:00 PM INDUCTION AND PRESENTATION OF CERTIFICATES TO ACTIVE MEMBERS

Reader: *RUDOLPH BONAPARTE, Chair, Board of Directors, CEE Academy of Distinguished Alumni*

Presenter: *SAMER M. MADANAT*

8:00-8:20 PM INDUCTION AND PRESENTATION OF *IN MEMORIAM* MEMBERS

CHARLES GILMAN HYDE, Remembrances by David Jenkins, Professor Emeritus, Department of Civil and Environmental Engineering

TUNG-YEN (T.Y.) LIN, Remembrances by Edward L. Wilson, Professor Emeritus, Department of Civil and Environmental Engineering

8:20-8:30 PM CONCLUSION, ADJOURNMENT, and PHOTOGRAPHS

DAVID A. FRIEDMAN, Vice Chair, Board of Directors, CEE Academy of Distinguished Alumni

INDUCTEE CLASS PHOTO
(all inductees gather for class photo)

CEE ACADEMY PHOTO
(all current and new members gather for photo)

Sponsor contributions in excess of banquet costs and individual member contributions generously support the Berkeley CEE

Undergraduate Research Opportunity Program (UROP)

UNIVERSITY OF CALIFORNIA, BERKELEY

Civil and Environmental Engineering
Academy of Distinguished Alumni

INDIVIDUAL BLUE SPONSORS

**DAVID FRIEDMAN
& PAULETTE MEYER**

CORPORATE BLUE SPONSORS

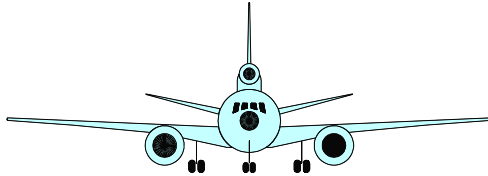


Geosyntec 
consultants

CORPORATE BLUE SPONSORS

SKANSKA

TY·LIN INTERNATIONAL



WADELL

INDIVIDUAL GOLD SPONSORS

**RUDOLPH & ANNA
BONAPARTE**

CORPORATE GOLD SPONSORS

ENGEO
— *Expect Excellence* —

The logo for Carollo features a stylized blue wave icon to the left of the word "carollo" in a bold, lowercase, blue sans-serif font.
Engineers...Working Wonders With Water®

INDIVIDUAL SILVER SPONSORS

**MICHAEL C. KAVANAUGH &
CAROL JAMES**

SUSAN LEAL

CORPORATE SILVER SPONSORS

GRANITE™

JACOBS ASSOCIATES

SIMPSON GUMPERTZ & HEGER



Engineering of Structures
and Building Enclosures

Treadwell&Rollo

A LANGAN COMPANY

INDIVIDUAL MEMBER CONTRIBUTIONS

G. WAYNE CLOUGH

J. MICHAEL DUNCAN

RICHARD W. KARN

SPECIAL MEMBER CONTRIBUTION

**THE DAVID & JOAN JENKINS
SCHOLARSHIP ENDOWMENT**

Supporting undergraduate students accepted into the CEE
Undergraduate Research Opportunity Program (UROP)

CLASS OF 2014 INDUCTEES

Civil and Environmental Engineering
Academy of Distinguished Alumni

Gregory B. Baecher

B.S., Civil Engineering (1968)



For leadership in the development, elucidation, and implementation of probability- and reliability- based approaches to geotechnical and water-resources engineering and risk analysis; for his contributions to the state-of-the-profession through knowledge sharing by authoring widely available textbooks and other publications; and, for generous support to the profession by serving on NRC, NASA, ASCE, and other national technical committees.

John A. Baker

B.S., Civil Engineering (1968)

M.S., Civil (Geotechnical) Engineering (1973)



For leadership in the practice of geotechnical and geoenvironmental engineering involving major civil infrastructure and environmental remediation projects throughout California, including the Sacramento-area levee systems; and, for his exemplary service to the U.C. Berkeley campus, College of Engineering, and Department of Civil and Environmental Engineering, including serving as President of the College of Engineering Alumni Society.

James M. Becker

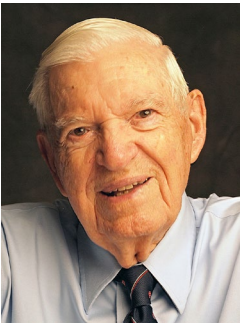
Ph.D., Civil (Structural) Engineering (1973)



For leadership and contributions as an educator and researcher focused on building performance, engineering optimization, and construction innovation during 30 years on the faculty at MIT; for industry leadership as a construction executive responsible for award-winning building projects throughout New England; and, for contributions to the Department of Civil and Environmental Engineering through service on the CEE Advisory Council.

Fred N. Finn

M.S., Civil (Transportation) Engineering (1950)



For extraordinary contributions to the theory and practice of transportation engineering, particularly in applying mechanistic procedures to the analysis and design of pavements and in pioneering the development of pavement management systems; for research, teaching, and consulting in the U.S. and internationally; and, for his long-time support of the Department of Civil and Environmental Engineering as a Research Engineer, Lecturer, and long-time collaborator with CEE transportation faculty.

Elizabeth Hausler Strand

M.S., Civil and Environmental (Geotechnical) Engineering (1998)
Ph.D., Civil and Environmental (Geotechnical) Engineering (2002)



For the founding, development, and executive leadership of Build Change, an international non-profit social enterprise that designs earthquake-resistant houses and schools and trains local builders, homeowners, engineers and government officials in earthquake-prone developing countries; for her commitment to saving human life and her international advocacy for implementing improved design and construction standards, including improved building codes, better construction methods, and increased local commitment to code compliance.

Susan S. Hubbard

Ph.D., Civil (Environmental) Engineering (1998)



For seminal contributions to the development of two new subdisciplines of geophysics, hydrogeophysics and biogeophysics; for applying these advancements in the subsurface environment over length scales from centimeters to kilometers, and in a variety of terrestrial environments, including contaminated sites, agricultural lands, and Arctic ecosystems; for leadership as Director of the Earth Sciences Division of Lawrence Berkeley National Laboratory; and, for contributions to CEE as Associate Director of the Berkeley Water Center, and through frequent collaboration with CEE faculty.

Robin K. McGuire

M.S., Civil (Structural) Engineering (1969)



For advances in the development of engineering software used throughout the world for probabilistic seismic hazard analyses and for leadership as an expert consultant on hazard and reliability analyses related to the impacts of natural forces, including seismic, wind, wave, and storm surge, on infrastructure; for contributions to the profession through authoring widely-used monographs and reports published by EERI, NRC, and others; and, for generous support of the College of Engineering.

Stephen G. Monismith

B.S., Civil Engineering (1977)

M.S., Civil (Water Resources) Engineering (1979)

Ph.D., Civil (Water Resources) Engineering (1983)



For leadership in the development of a physically-based understanding of the transport of particulate materials, including aquatic organisms, in freshwater, estuarine, and marine systems, providing a basis for preservation and sustainable management of these systems; and, for support to the Department of Civil and Environmental Engineering as a member of the CEE Advisory Council and through joint projects and collaborations with Berkeley CEE faculty.

CLASS OF 2013

J. Michael Duncan

Ph.D., Civil (Geotechnical) Engineering (1965)



For leadership in teaching, research, and the practice of geotechnical engineering, related especially to constitutive modeling and numerical analysis of soils, shear strength and slope stability, and embankment dam design and performance; for contributions to the profession as a leader in engineering education and as an author of engineering publications and guidance documents used around the world; and, for contributions to Berkeley CEE as an outstanding member of the faculty for 20 years and as a supporter of the Geotechnical program since that time.

2014 (IN MEMORIAM)

Charles Gilman Hyde

Hon. Doctor of Laws (1944)



For nearly 40 years of contributions to Berkeley civil engineering as an educator and scholar; for establishing the first sanitary engineering college program in the western U.S. and educating many of the outstanding sanitary engineering practitioners and professors of the next generation (“His Boys”); for leading the formation of the Bureau of Sanitary Engineering in the State Dept. of Public Health and consulting on many of California’s major early wastewater projects; and, for being widely hailed as the “Dean of Sanitary Engineering of the West.”

Tung-Yen (T.Y.) Lin

M.S., Civil (Structural) Engineering (1933)



For a pioneering career as a structural engineering educator and practitioner, widely considered as one of the greatest structural engineers of his time; for 30 years of contributions to Berkeley civil engineering as a renowned teacher, researcher, and innovator; for founding and building T.Y. Lin International, a leading international structural engineering firm that has worked on many of the most noteworthy bridge projects around the world; and, for numerous contributions to Berkeley that culminated with his recognition as Alumnus of the Year in 1994.

Civil and Environmental Engineering
Academy of Distinguished Alumni

Honorary Members

David I. Jenkins, Ph.D., NAE (2012)

James K. Mitchell, Sc.D., PE, NAE, NAS (2012)

In Memoriam

Ben C. Gerwick, Jr., BSCE, NAE (2013)

Julia Morgan, BSCE (2013)

Awtar Singh, Ph.D., PE, GE (2012)

Civil and Environmental Engineering Academy of Distinguished Alumni

Active Members

- Franklin J. Agardy, Ph.D., PE (2012)
Mihran S. Agbabian, Ph.D, NAE (2012)
Brenda Myers Bohlke, Ph.D. (2013)
Rudolph Bonaparte, Ph.D., PE, NAE (2012)
G. Wayne Clough, Ph.D., PE, NAE (2013)
J. Michael Duncan, Ph.D., PE, NAE (2013)
Gregory L. Fenves, Ph.D. (2013)
David A. Friedman, BSCE, PE, SE (2012)
Paul H. Gilbert, MSCE, PE, NAE (2012)
Richard E. Goodman, Ph.D., NAE (2012)
Ashraf Habibullah, MSCE, PE, SE (2013)
Jefferson M. Hilliard, MSCE, PE, Dist. M.ASCE (2013)
Adib K. Kanafani, Ph.D., NAE (2012)
Richard W. Karn, BSCE, PE (2012)
Michael C. Kavanaugh, Ph.D., PE, NAE (2012)
James H. Kleinfelder, MSCE, PE (2012)
John H. Koon, Ph.D., PE (2013)
Richard G. Luthy, Ph.D., PE, NAE (2012)
Carl L. Monismith, MSCE, PE, NAE (2012)
Karl S. Pister, Ph.D., NAE (2012)
Leslie E. Robertson, BSCE, PE, SE, NAE (2012)
Robert L. Taylor, Ph.D., NAE (2012)
George Tchobanoglous, Ph.D., PE, NAE (2013)
R. Rhodes Trussell, Ph.D., PE, NAE (2012)
James D.A. van Hoften, Ph.D. (2012)
Robert P. Wadell, MSCE, PE (2012)
Robert L. Wiegel, MSME, NAE (2012)
Edward L. Wilson, D Eng., NAE (2012)
Loring A. Wyllie, Jr., MSCE, PE, SE, NAE (2012)
Peter I. Yanev, MSCE (2012)
Victor A. Zayas, Ph.D., PE (2012)

