



UNIVERSITY OF CALIFORNIA, BERKELEY

Civil and Environmental Engineering
Academy of Distinguished Alumni

Induction and Banquet for Class of 2016

The University Club
California Memorial Stadium
October 6, 2016

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Academy of Distinguished Alumni

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Gregory G. Deierlein, Ph.D., NAE

John A. Blume Professor, Stanford University

Jorg Imberger, Ph.D., NAE

Professor (Adjunct), University of Miami

Patrick C. Lucia, Ph.D., P.E., G.E.

Professor (Adjunct), University of California, Davis

Janiele Maffei, P.E., S.E.

Chief Mitigation Officer, California Earthquake Authority

James O. Malley, P.E., S.E.

Group Director & Senior Principal, Degenkolb Engineers

Maryann Phipps, P.E., S.E.

President, Estructure

James H. Roberts

President & CEO, Granite Construction Incorporated

Howard A. Schirmer, Jr., P.E.

President, Transnational Associates, Inc.

In Memoriam (Posthumous)

Eugene M. Herson, P.E., CPA (1942-2011)

President & CEO, EMCON Associates

Helmut Krawinkler, Ph.D., NAE (1940-2012)

John A. Blume Professor Emeritus of Engineering at Stanford University

University of California, Berkeley

College of Engineering

S. Shankar Sastry, Dean

Per Peterson, Executive Associate Dean

Department of Civil and Environmental Engineering (CEE)

Robert Harley, Department Chair

Mark Stacey, Vice Chair for Academic Affairs

Claudia Ostertag, Vice Chair for Research and Technical Services

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PROGRAM

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

6:30 PM DINNER – The University Club

6:30-6:35 PM CALL TO ORDER & INTRODUCTION OF DEAN BOKOR

*ROBERT HARLEY, Carl W. Johnson Professor and Chair,
Department of Civil and Environmental Engineering*

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

*JEFFREY BOKOR, Associate Dean for Research, College of
Engineering*

7:15 PM DESSERT

7:15-7:20 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*

7:20-7:25 PM INTRODUCTION TO CEE UNDERGRADUATE RESEARCH
OPPORTUNITY PROGRAM

ROBERT HARLEY

7:25-8:05 PM INDUCTION AND PRESENTATION OF CERTIFICATES TO
ACTIVE AND IN MEMORIAM MEMBERS

Readers: *RUDOLPH BONAPARTE, Chair, Board of
Directors, CEE Academy of Distinguished Alumni,
and DAVID A. FRIEDMAN, Vice Chair, Board of Directors,
CEE Academy of Distinguished Alumni*

Presenter: *ROBERT HARLEY*

8:05-8:20 PM CONCLUSION, ADJOURNMENT, and PHOTOGRAPHS

DAVID A. FRIEDMAN

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

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TAYLOR**

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CLASS OF 2016 INDUCTEES

Civil and Environmental Engineering
Academy of Distinguished Alumni

Gregory G. Deierlein

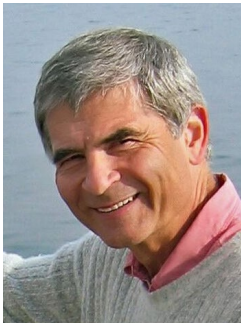
M.S., Civil (Structural) Engineering (1982)



For leadership in the development of advanced structural analysis techniques and performance-based seismic design approaches and their implementation in design codes; for contributions to the profession through involvement on numerous committees; and for service to the Department of Civil and Environmental Engineering and the Pacific Earthquake Engineering Research Center.

Jorg Imberger

Ph.D., Civil (Water Resources) Engineering (1970)



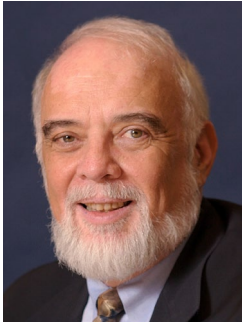
For leadership in the development of the field of environmental fluid mechanics, including advancing our understanding of the hydrodynamics of lakes, reservoirs, estuaries and the coastal ocean, as well as the dynamics of stratified flows and turbulence; for his contributions to the practice of environmental and water resources engineering through the development of computational and observational tools; and, for his contributions as an educator and mentor.

Patrick C. Lucia

B.S., Civil Engineering (1974)

M.S., Civil (Geotechnical) Engineering (1975)

Ph.D., Civil (Geotechnical) Engineering (1980)



For many years of practice leadership as a nationally-recognized authority in forensic engineering and risk management as applied to geotechnical and underground construction issues; for business leadership as long-time Board Chairman for a leading national engineering company; and, for long-time support to the Department of Civil and Environmental Engineering through teaching, lectures, and collaborative relationships with faculty.

Janiele Maffei

A.B., Architecture (1978)

M.S., Civil (Structural) Engineering (1980)



For a distinguished career as a consulting structural engineer; for advancing the accessibility of homeowner's earthquake insurance in her role as Chief Mitigation Officer for the California Earthquake Authority; for her service to earthquake risk mitigation as the founding chair, Secretary/Treasurer, and Board member of the Northern California Chapter of the Earthquake Engineering Research Institute; and for her support of the Department of Civil and Environmental Engineering through her participation in the CEE Advisory Council.

James O. Malley

B.S., Civil Engineering (1980)

M.Eng., Civil (Structural) Engineering (1983)



For leadership in structural earthquake engineering and the design of structural steel buildings, including enhanced detailing of critical connections in seismic resistant structures; for the design or peer review of dozens of major new facilities for seismic resistance and the rehabilitation of existing structures for enhanced seismic performance, including high-rise steel structures in San Francisco, Los Angeles, and Seattle; and, for his long-time support of the Department of Civil and Environmental Engineering and the Berkeley Campus.

Maryann Phipps

M.Eng., Civil (Structural) Engineering (1981)



For outstanding contributions to the practice of structural engineering, especially related to hospitals and healthcare facilities; for exemplary and sustained leadership in and service to the profession; for exceptional contributions to the development of nationally-applicable guidelines for evaluating and improving the seismic performance of structures, with particular focus on the analysis and design of nonstructural components and systems.

James H. Roberts

B.S., Civil Engineering (1979)

M.S., Civil (Construction) Engineering (1980)



For distinguished accomplishments and leadership in the heavy civil construction industry, culminating as President and CEO of Granite Construction, one of the most admired firms in the U.S. construction industry; for his commitment to promoting high ethical and safety standards for both his company and the industry, including his service as a founding member of the Construction Industry Ethics and Compliance Initiative; and, for support of the Department of Civil and Environmental Engineering.

Howard A. Schirmer, Jr.

B.S., Civil Engineering (1964)

M.S., Civil (Geotechnical) Engineering (1965)



For his global efforts to build sustainable infrastructure, promote U.S. environmental technology exports, build global engineering practices, and strengthen the civil and environmental engineering profession through extensive service to the American Society of Civil Engineers, American Council of Engineering Companies, and others; and, for his long-time support of the Department of Civil and Environmental Engineering, most recently as a member of the CEE Advisory Council.

2016 (IN MEMORIAM)

Eugene M. Herson

B.S., Civil Engineering (1965)

M.S., Civil (Sanitary) Engineering (1966)



For outstanding contributions in the government, industry, and engineering sectors in establishing and developing the U.S. solid waste management regulatory framework and national infrastructure; for a long-history of public service outreach, including as President of the Commonwealth Club of California; and for his ardent support of the Berkeley campus, College of Engineering, and Department of Civil and Environmental Engineering, particularly as the founding chair of the CEE Advisory Council.

Helmut Krawinkler

Ph.D., Civil (Structural) Engineering (1971)



For his pioneering research on the use of nonlinear structural analyses in the seismic assessment and rehabilitation of existing buildings, and for advocating for its use in practice; for championing efforts to develop improved methods in performance-based earthquake engineering; for his extensive record of service to the profession; and for his many years of collaboration with structural engineering faculty in the Department of Civil and Environmental Engineering.

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

Charles Gilman Hyde (2014)
Tung-Yen (T.Y.) Lin (2014)
Ben C. Gerwick, Jr., BSCE, NAE (2013)
Julia Morgan, BSCE (2013)
Egor Popov, Ph.D., NAE (2015)
Awtar Singh, Ph.D., PE, GE (2012)
Bernard A. Vallerga, P.E., NAE (2015)
Robert L. Wiegel, MSME, NAE (2012)

Active Members

Franklin J. Agardy, Ph.D., PE (2012)
Mihran S. Agbabian, Ph.D, NAE (2012)
Eleanor J. M. Allen, P.E. (2015)
Gregory B. Baecher, Ph.D., NAE (2014)
John A. Baker, PE (2014)
James M. Becker, Ph.D., PE (2014)
Glenn R. Bell, P.E., S.E. (2015)
Brenda Myers Bohlke, Ph.D. (2013)
Rudolph Bonaparte, Ph.D., PE, NAE (2012)
G. Wayne Clough, Ph.D., PE, NAE (2013)
Reginald DesRoches, Ph.D. (2015)
J. Michael Duncan, Ph.D., PE, NAE (2013)
Uri Eliahu, P.E., G.E. (2015)
Gregory L. Fennes, Ph.D., NAE (2013)
Fred N. Finn, MSCE, NAE (2014)
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)
Susan S. Hubbard, Ph.D. (2014)
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)
Robin K. McGuire, Ph.D., NAE (2014)
Carl L. Monismith, MSCE, PE, NAE (2012)
Stephen G. Monismith, Ph.D. (2014)
Marwan Nader, Ph.D., P.E. (2015)
Denny S. Parker, Ph.D., P.E., NAE (2015)
Karl S. Pister, Ph.D., NAE (2012)
Y.R. (Joe) Rashid, Ph.D., P.E. (2015)
Leslie E. Robertson, BSCE, PE, SE, NAE (2012)
Larry L. Russell, Ph.D., P.E. (2015)
Elizabeth Hausler Strand, Ph.D. (2014)
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)
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)

Biographies for all members of the Academy of
Distinguished Alumni can be found at
www.ce.berkeley.edu/alumni/academy

