



UNIVERSITY OF CALIFORNIA, BERKELEY

Civil and Environmental Engineering
Academy of Distinguished Alumni

Induction and Banquet for Class of 2013

The Faculty Club
October 10, 2013

Civil and Environmental Engineering
Academy of Distinguished Alumni

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Brenda Myers Bohlke, Ph.D.

G. Wayne Clough, Ph.D., P.E., N.A.E.

J. Michael Duncan, Ph.D., P.E., N.A.E.

Gregory L. Fenves, Ph.D.

Ashraf Habibullah, MSCE, S.E., P.E.

Jefferson M. Hilliard, MSCE, P.E., Dist. M.ASCE

John H. Koon, Ph.D., P.E.

George Tchobanoglous, Ph.D., P.E., N.A.E.

In Memoriam (Posthumous)

Ben C. Gerwick, Jr., BSCE (1940), N.A.E.

Julia Morgan, BSCE (1894)

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

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PROGRAM

5:30-6:30 PM RECEPTION – KERR DINING ROOM, The Faculty Club

6:25 PM TRANSITION TO THE GREAT HALL, The Faculty Club

6:30 PM DINNER

6:30-6:35 PM WELCOME FROM THE COLLEGE

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

6:35-6:50 PM PERFORMANCE BY THE CAL JAZZ CHOIR

7:15 PM DESSERT

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

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

7:25-7:30 PM INTRODUCTION TO THE CEREMONY

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

7:30-7:50 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*

7:50-8:30 PM INDUCTION AND PRESENTATION OF *IN MEMORIAM* MEMBERS

BEN C. GERWICK, Remembrances by Carl Monismith, Professor of the Graduate School, Department of Civil and Environmental Engineering and Robert Bittner, President at Bitter-Shen Consulting Engineers and President of the Deep Foundation Institute

JULIA MORGAN, Remembrances by Dr. Karen McNeill, Historian and Author

8:30-8:35 PM CONCLUSION AND ADJOURNMENT

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)

UNIVERSITY OF CALIFORNIA, BERKELEY

Civil and Environmental Engineering
Academy of Distinguished Alumni

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CLASS OF 2013

Civil and Environmental Engineering
Academy of Distinguished Alumni

Brenda Myers Bohlke

Ph.D., Civil (Geological) Engineering (1983)

M.Eng., Civil (Geological) Engineering (1979)



For leadership in the planning, engineering, and program management of major infrastructure projects involving tunneling, underground construction, and high speed rail; for contributions to the profession through leadership positions in professional organizations and committees; and, for support to Berkeley CEE through lectures, faculty engagement, and contributions to both the Department and the College of Engineering.

G. Wayne Clough

Ph.D., Civil (Geotechnical) Engineering (1969)



For leadership in teaching, research, and the practice of geotechnical engineering, particularly related to advancing analysis and design procedures for soil-structure interaction problems; for national leadership as a university administrator, including 14 years as President of the Georgia Institute of Technology; for service to the nation in advancing American competitiveness, engineering education, and the mission of the Smithsonian Institution; and, for support to Berkeley CEE through contributions to the Advisory Council.

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 shear strength of soils, slope stability, seepage, and embankment dams; 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 program since that time.

Gregory L. Fenves

Ph.D., Civil (Structural) Engineering (1984)

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



For seminal contributions to structural systems computational modeling, including the nonlinear response of concrete dams, the nonlinear seismic response of bridges, and the development of the Open System for Earthquake Engineering Simulation modular software package; for leadership in engineering education and university administration; and, for sustained contributions to Berkeley CEE as a faculty member, department chair, and founder of the CEE Advisory Council.

Ashraf Habibullah

M.S., Civil (Structural) Engineering (1970)



For leadership in the development of world-class computer software for analysis and design of structures that has modernized structural engineering practice around the globe; for his efforts to disseminate this software to both developed and developing countries with the goal of improving humankind by creating safer structures resistant to earthquakes and other extreme loads; and, for many years of contributions to Berkeley CEE and the University through the gifting of software, serving as an instructor at U.C. Berkeley Extension, and sponsoring the Berkeley Seismic Competition Team.

Jefferson M. Hilliard

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

B.S., Civil Engineering (1963)



For nationally-recognized expertise in the practice of the profession for more than 45 years and especially for expertise in applying the latest technology in evaluation, design, construction, and rehabilitation of heavy duty, long-lasting pavements for highways, airfields, ports, and industrial facilities; for outstanding service in minority-related professional activities as well as service to the community in Oakland; and for contributions to both Berkeley CEE and the University as a long-time friend and supporter and for sustained contributions to minority student programs.

John H. Koon

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



For leadership in development and implementation of innovative technologies to treat complex industrial wastewater and contaminated groundwater and to increase water use efficiency in industrial facilities; for contributions to engineering education through service with ABET and teaching of environmental engineering design practice at the Georgia Institute of Technology; and, for contributions to Berkeley CEE as a long-time friend and supporter of the Department.

George Tchobanoglous

M.S., Civil (Sanitary) Engineering (1960)



For important contributions to environmental engineering education, research, practice, and public service related to wastewater treatment, management, and reuse and solid waste management, recycling, and disposal; for more than 35 years of service to the profession as an outstanding teacher and researcher; and, for long-time support to Berkeley CEE, most recently as a member and supporter of the Environmental Engineering Alumni Leadership Council.

Ben C. Gerwick, Jr. (In Memoriam)

B.S., Civil Engineering (1940)



For more than 60 years of national and international leadership and innovation in construction and marine engineering; for pioneering heavy marine engineering and construction techniques related to deep foundations, prestressed concrete, and concrete ocean structures in harsh ocean environments; and, for 35 years of contributions to Berkeley CEE and the University, including leading the establishment of CEE's academic program in construction engineering and project management.

Julia Morgan (In Memoriam)

B.S., College of Civil Engineering (1894)



For a pioneering and inspiring career as one of the first female graduates of the College of Engineering, the first woman to matriculate from the prestigious architecture school École Nationale Supérieure des Beaux-Arts in Paris, and the first licensed female architect in California; and for the legacy she has left in her work including more than 700 buildings and structures, amongst them Hearst Castle, making her one of the West Coast's greatest building architects of all time.

Civil and Environmental Engineering Academy of Distinguished Alumni

Active Members

- Franklin J. Agardy, Ph.D., P.E. (2012)
Mihran S. Agbabian, Ph.D, N.A.E. (2012)
Rudolph Bonaparte, Ph.D., P.E., N.A.E. (2012)
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Leslie E. Robertson, BSCE, P.E., S.E., N.A.E. (2012)
Robert L Taylor, Ph.D., N.A.E. (2012)
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James D.A. van Hoften, Ph.D. (2012)
Robert P. Wadell, MSCE, P.E. (2012)
Robert L. Wiegel, MSME, N.A.E. (2012)
Edward L. Wilson, D. Eng., N.A.E. (2012)
Loring A. Wyllie, Jr., MSCE, P.E., S.E., N.A.E. (2012)
Peter I. Yanev, MSCE (2012)
Victor A. Zayas, Ph.D., P.E. (2012)

Honorary Members

- David I. Jenkins, Ph.D., N.A.E. (2012)
James K. Mitchell, Sc.D., P.E., N.A.E., N.A.S. (2012)

In Memoriam

- Awtar Singh, Ph.D., P.E., G.E. (2012)