



UNIVERSITY OF CALIFORNIA, BERKELEY

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Civil and Environmental Engineering  
**Academy of Distinguished Alumni**

**Induction and Banquet for Classes of 2020 & 2021**

Lower Sproul Plaza

University of California Berkeley

June 16, 2022

**Inductees for Class of 2020**

June 16, 2022

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**John A. Cherry, Ph.D., NAE**

*Adjunct Professor, University of Guelph; Professor Emeritus, University of Waterloo*

**John D. Hooper, MSCE, P.E., S.E., F.SEI**

*Senior Principal Director of Earthquake Engineering, Magnusson Klemencic Associates*

**Steven L. Kramer, Ph.D., P.E., D.GE., NAE**

*Professor Emeritus, University of Washington*

**Iraj Noorany, Ph.D., P.E., G.E.**

*Professor Emeritus, San Diego State University*

**George J. Pierson, MSCE, P.E., Esq.**

*Executive Chairman, Kleinfelder*

**Bernard Saunier, Ph.D.**

*CEO and Founder, Saunier and Associates*

**Carolyn Searls, MSCE, P.E.**

*Principal, Head of Building Technologies Division, Simpson Gumpertz & Heger*

**Philip T. Tringale, Ph.D., P.E.**

*Board Chairman, Langan Engineering and Environmental Services, Inc.*

**In Memoriam (Posthumous)**

**David N. Kennedy, NAE**

*Director, California Department of Water Resources*

**Jerome F. Thomas, Ph.D. (Honorary)**

*Professor, Department of Civil Engineering, University of California, Berkeley*

**Inductees for Class of 2021**

June 16, 2022

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**Ross W. Boulanger, Ph.D., P.E., NAE**

*Professor & Director, Center for Geotechnical Modeling, University of California at Davis*

**Donald W. Davies, P.E., S.E.**

*President, Magnusson Klemencic Associates*

**William J. Dunlay, Ph.D., LM.ASCE**

*Managing Member, WJDunlay Consulting, LLC*

**Lorraine N. Fleming, Ph.D., P.E.**

*Professor, Department of Civil and Environmental Engineering, Howard University*

**Kimberly E. Kurtis, Ph.D., P.E.**

*Professor and Associate Dean, School of Civil and Environmental Engineering,  
Georgia Institute of Technology*

**Julie L. Labonte, P.E.**

*Senior Vice-President/Global Program Management Director-Water, HDR*

**Linsey C. Marr, Ph.D.**

*Charles P. Lunsford Professor, Department of Civil and Environmental Engineering,  
Virginia Tech*

**Judith Mitrani-Reiser, Ph.D.**

*Associate Chief, Materials and Structural Systems Division,  
National Institute of Standards and Technology*

**In Memoriam (Posthumous)**

**Vitelmo Bertero, Ph.D., NAE (Honorary)**

*Professor, Department of Civil and Environmental Engineering,  
University of California, Berkeley*

**Richard Woodward, Jr.**

*Founder, Woodward-Clyde Consultants*

University of California, Berkeley

*Carol Christ, Chancellor*

College of Engineering

*Tsu-Jae King Liu, Dean*

*Karl van Bibber, Executive Associate Dean*

Department of Civil and Environmental Engineering (CEE)

*Mark Stacey, Department Chair*

*Dimitrios Konstantinidis, Vice Chair for Undergraduate Studies*

*Fotini Katopodes Chow, Vice Chair for Graduate Studies*

*Tracy Becker, Vice Chair for Research and Technical Services*

*Joan Walker, Vice Chair for Diversity, Equity, Inclusion & Belonging*

CEE Academy of Distinguished Alumni

BOARD OF DIRECTORS

*David A. Friedman, Chair*

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*Susan Hubbard*

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*Nicholas Sitar*

*Mark Stacey*

# PROGRAM

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5:30-6:30 PM RECEPTION – Lower Sproul Plaza

6:30 PM DINNER – Lower Sproul Plaza

6:30-6:40 PM CALL TO ORDER, INTRODUCTION, AND STATE OF DEPARTMENT

*MARK STACEY, Henry and Joyce Miedema Professor and Chair, Department of Civil and Environmental Engineering*

6:40-6:45 PM WELCOME MESSAGE

*CAROL CHRIST, Chancellor (Virtual)*

6:45-6:50 PM WELCOME FROM THE COLLEGE

*TSU-JAE KING LIU, Dean*

7:15 PM DESSERT

7:15-7:20 PM OVERVIEW OF THE ACADEMY OF DISTINGUISHED ALUMNI AND RECOGNITION/ACKNOWLEDGEMENT OF SPONSORS

*URI ELIAHU, Chair, CEE Advisory Council*

7:25-8:20 PM INDUCTION AND PRESENTATION OF CERTIFICATES TO  
ACTIVE AND *IN MEMORIAM* MEMBERS -  
CLASSES OF 2020 & 2021

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

Presenter: *MARK STACEY*

8:20-8:30 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

**(CEE)<sup>2</sup>**

Community-Engaged Education in Civil & Environmental Engineering, or (CEE)<sup>2</sup>, is a program designed to attract more young students with greater gender and racial diversity to engineering. (CEE)<sup>2</sup> engages local leaders and groups, Berkeley CEE faculty and students, and Oakland Unified School District teachers in identifying engineering challenges in Oakland communities, building project-based curricula around them, and guiding Oakland high schoolers in a deep-dive introduction to engineering problem-solving at the local level.

From earthquake resilience to green infrastructure, (CEE)<sup>2</sup> engages students in projects within their own neighborhoods, emphasizing the role that they have in envisioning and developing solutions to some of our most fundamental challenges. Further, by showcasing the emerging focus on equity and justice in engineering, (CEE)<sup>2</sup> aims to recruit more students from under-represented backgrounds and diversify the profession to become more representative of the communities we serve.

(CEE)<sup>2</sup> has reached over 200 Oakland students this year, with plans to grow in the next three years to more than 1,000 students from a number of under-represented communities in the Bay Area.

UNIVERSITY OF CALIFORNIA, BERKELEY

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Civil and Environmental Engineering  
Academy of Distinguished Alumni

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BONAPARTE**

**DAVID A. FRIEDMAN  
& PAULETTE J. MEYER**

**LARRY L. RUSSELL &  
GRACE K. LIVINGSTON**



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# CLASS OF 2020 INDUCTEES

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Civil and Environmental Engineering  
**Academy of Distinguished Alumni**

## John A. Cherry

M.S., Civil (Water Resources) Engineering (1965)



For foundational research and publications on the fate, transport, and characterization of pollutants in the subsurface environment with emphasis on chlorinated solvents; and, for his global leadership fostering groundwater quality protection around the world, as recognized by the global Lee Kuan Yew and Stockholm Water Prizes.

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## John D. Hooper

M.S., Civil (Structural) Engineering (1984)



For exemplary contributions in advancing the seismic design provisions of building codes and performance-based seismic design procedures; for innovative seismic design of iconic projects around the world; and, for many years of support to Berkeley CEE through lectures, research collaboration, and support of the PEER Center.

## Steven L. Kramer

B.S., Civil Engineering (1977)  
M.S., Civil (Geotechnical) Engineering (1979)  
Ph.D., Civil (Geotechnical) Engineering (1985)



For internationally-recognized advancements in geotechnical earthquake engineering, including soil liquefaction, seismic site response and slope stability, and performance-based seismic design; and, for contributions to the education of a generation of engineers through his classic book “Geotechnical Earthquake Engineering.”

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## Iraj Noorany

M.S., Civil (Geotechnical) Engineering (1960)  
Ph.D., Civil (Geotechnical) Engineering (1964)



For outstanding contributions to the field of geotechnical engineering, particularly marine geotechnics and the performance of deep compacted fills; for more than 50 years of teaching and service to improve the practice of geotechnical engineering; and, for career-long ties to Berkeley CEE, through guest lectures, short courses, and graduate fellowship support.



## George J. Pierson

M.S., Civil (Structural) Engineering (1985)



For leadership as Chairman, President, and CEO of several of the nation's largest, oldest, and most prestigious civil engineering firms; for leadership in improving risk management practices in the engineering and construction industries; and, for service to the profession and generous support of Berkeley CEE.

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## Carolyn Searls

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



For major contributions to building envelope repair and preservation of historic and contemporary buildings; for contributions to advancing the practice of building preservation; for teaching and mentoring of early career civil engineers; and, for support of Berkeley CEE as a guest lecturer to graduate structural engineering classes.

## Bernard Saunier

M.S., Civil (Environmental) Engineering (1973)  
Ph.D., Civil (Environmental) Engineering (1976)



For his entrepreneurial, business, and technical career accomplishments; for leadership of global-scale organizations dedicated to clean water, environmental protection, and sustainability; and, for being a long-time friend to Berkeley CEE, through scholarship support and as an informal ambassador of the program, in France and around the world.

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## Philip T. Tringale

M. Eng., Civil (Geotechnical) Engineering (1979)  
Ph.D., Civil (Geotechnical) Engineering (1983)



For a distinguished career as a leading Bay Area geotechnical and environmental engineer focused on contaminated site cleanup and brownfields redevelopment; for many years of business leadership as a company President and CEO; and, for being a tireless supporter of Berkeley CEE through scholarship support and guest and distinguished lectures.

## 2020 (IN MEMORIAM)

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### David N. Kennedy

B.S., Civil Engineering (1959)

M.S., Civil (Water Resources) Engineering (1962)



For his transformative leadership as the long-time Director of the California Department of Water Resources; for his efforts to protect and improve the water resources of the State by introducing environmental safeguards and ecosystem considerations; and, for his ability to build consensus among stakeholders to achieve public policy achievements such as the Bay-Delta Accord.

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### Jerome F. Thomas (Honorary)

Ph.D., Physical Organic Chemistry (1950)



For nearly 40 years of contributions as a teacher, researcher, consultant, and mentor as a member of the Berkeley CEE faculty; for pioneering applications of the principles of chemistry to problems involving water and wastewater treatment and air quality; and, for his kind, considerate, renaissance persona that contributed greatly to the life and fabric of Berkeley CEE.

# CLASS OF 2021 INDUCTEES

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Civil and Environmental Engineering  
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## Ross W. Boulanger

M.S., Civil (Geotechnical) Engineering (1987)  
Ph.D., Civil (Geotechnical) Engineering (1990)



For seminal contributions to the development of improved procedures for evaluating seismic liquefaction potential and the performance of earth structures under seismic loading; for advancing the state of practice and educating the next generation of geotechnical engineers; and for strong ties and collaborations with Berkeley CEE and the PEER Center.

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## Donald W. Davies

M.S., Civil (Structural) Engineering (1990)



For outstanding leadership in advancing the AEC industry through initiatives, innovations, and solutions that have resulted in substantial carbon emission reductions in the built environment; for his founding stewardship of the Carbon Leadership Forum and Building Transparency; and for past and on-going engagement with Berkeley CEE and the PEER Center.

## William J. Dunlay

Ph.D., Civil (Transportation) Engineering (1974)



For seminal contributions to aviation systems planning and design, the development of stochastic simulation methods for use in airfield and airspace design and operations, and the development of methods for airport capacity analysis; and for generous contributions to the air transportation program at Berkeley CEE.

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## Lorraine N. Fleming

Ph.D., Civil (Geotechnical) Engineering (1985)



For being an exemplary role model as the first African American woman to receive a doctoral degree from Berkeley CEE, in 1985; for fulfilling her dream of returning to her alma mater, Howard University, to provide academic and career mentorship to generations of minority engineering students; and for recognition by President Barack Obama with the Presidential Award of Excellence in Science, Mathematics and Engineering Mentoring.

## Kimberly E. Kurtis

M.S., Civil (Structural) Engineering (1995)

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



For innovative and impactful contributions to the science, characterization, and design of cement-based materials; for contributions to CEE education and student mentorship and equity; and for collaborations with Berkeley CEE, including academic research and as a champion for diversity, equity, and inclusion in the profession.

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## Julie L. Labonte

M.S., Civil (Water Resources) Engineering (1995)



For outstanding leadership and contributions to the CEE profession through both professional and volunteer efforts to ensure reliable water systems domestically and abroad; for leading implementation of essential water infrastructure projects under challenging conditions; and for exemplary contributions to Berkeley CEE as a member of the CEE Advisory Council.

## Linsey C. Marr

Ph.D., Civil (Environmental) Engineering (2002)



For world-leading research into aerosol transport and viral transmission; for contributions to society during the SARS-CoV-2 pandemic through her careful, direct, and effective communication of science to both the profession and public; and, for the recognition of her contributions by Virginia Tech with its top faculty honor, the Ut Prosim Scholar Award.

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## Judith Mitrani-Reiser

M.S., Civil (Structural) Engineering (2001)



For outstanding leadership of national programs for loss reduction from disasters and failures in the built environment; for impactful multidisciplinary studies and research in multi-hazard effects on structures; for tireless promotion of diversity, equity and inclusion in CEE; and for serving as a role model for aspiring women and LatinX professionals.



## 2021 (IN MEMORIAM)

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### Richard J. Woodward, Jr.

M.S., Civil (Geotechnical) Engineering (1947)

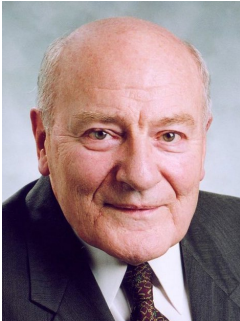


For national leadership in the practice and business of geotechnical engineering; for his vision in building and leading for more than two decades the iconic firm Woodward-Clyde Consultants; and for support for Berkeley CEE, as a faculty member early in his career, and as a lifelong friend and collaborator.

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### Vitelmo Bertero

Honorary



For advancing the profession's understanding of the response of structures to earthquakes and for developing means for improving the earthquake resistance of new and existing structures; for development of innovative experimental methods to assess the hysteretic behavior of steel and concrete structures; and for more than 30 years of leadership on the Berkeley CEE faculty.

# Civil and Environmental Engineering Academy of Distinguished Alumni

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## In Memoriam

- Mihran S. Agbabian, Ph.D, NAE (2012)  
Raymond W. Clough, Honorary, NAE (2017)  
Harmer E. Davis, NAE (2019)  
Henry J. Degenkolb, NAE (2017)  
Charles Gilman Hyde, Honorary (2014)  
James H. Kleinfelder, P.E. (2012)  
Tung-Yen (T.Y.) Lin (2014)  
Ben C. Gerwick, Jr., NAE (2013)  
William R. Gianelli, P.E. (2017)  
Paul H. Gilbert, P.E., NAE (2012)  
Eugene M. Herson, P.E., CPA (2016)  
David I. Jenkins, Ph.D., NAE (Honorary 2012)  
Helmut Krawinkler, Ph.D., NAE (2016)  
Patrick C. Lucia, Ph.D., P.E., G.E. (2016)  
Stephen A. Mahin, Ph.D. (2018)  
Julia Morgan (2013)  
Henry J. Ongerth, NAE (2019)  
Karl S. Pister, Ph.D., NAE (2012)  
Egor Popov, Ph.D., NAE (2015)  
Leslie E. Robertson, P.E., S.E., NAE (2012)  
H. Bolton (Harry) Seed, Honorary, NAE, NAS (2018)  
Awtar Singh, Ph.D., P.E., G.E. (2012)  
Bernard A. Vallerga, P.E., NAE (2015)  
Robert L. Wiegel, Honorary, NAE (2012)

## Honorary Members

- Mary C. Comerio (2019)  
M. Susan Leal (2018)  
James K. Mitchell, Sc.D., P.E., NAE, NAS (2012)

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## Active Members

- Franklin J. Agardy, Ph.D., P.E. (2012)  
Eleanor J. M. Allen, P.E. (2015)  
Mohammad A. Alshaikh, Ph.D. (2018)  
Gregory B. Baecher, Ph.D., NAE (2014)  
John A. Baker, P.E. (2014)  
James M. Becker, Ph.D., P.E. (2014)  
Glenn R. Bell, P.E., S.E. (2015)  
Brenda Myers Bohlke, Ph.D. (2013)  
Rudolph Bonaparte, Ph.D., P.E., NAE (2012)  
Anil K. Chopra, Ph.D., NAE (2017)  
G. Wayne Clough, Ph.D., P.E., NAE (2013)  
Paul A. Cocotis, P.E. (2017)  
Rula A. Deeb, Ph.D., BCEEM, PMP (2019)  
Reginald DesRoches, Ph.D. (2015)  
Gregory G. Deierlein, Ph.D., NAE (2016)  
J. Michael Duncan, Ph.D., P.E., NAE (2013)  
Uri Eliahu, P.E., G.E. (2015)  
Gregory L. Fenves, Ph.D., NAE (2013)  
Fred N. Finn, NAE (2014)  
David A. Friedman, P.E., SE (2012)  
David T. Gockel, P.E. (2017)  
Richard E. Goodman, Ph.D., NAE (2012)  
Ashraf Habibullah, P.E., S.E. (2013)  
Elizabeth Hausler, Ph.D. (2014)  
Jefferson M. Hilliard, P.E., Dist. M.ASCE (2013)  
Susan S. Hubbard, Ph.D. (2014)  
I.M. (Ed) Idriss, Ph.D., P.E., G.E., NAE (2017)  
Jorg Imberger, Ph.D., NAE (2016)  
Adib K. Kanafani, Ph.D., NAE (2012)  
Richard W. Karn, P.E. (2012)

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Michael C. Kavanaugh, Ph.D., P.E., NAE (2012)

Edward Kavazanjian, Jr., Ph.D., P.E., G.E., NAE (2017)

Harlan L. Kelly, Jr., P.E. (2018)

Ronald Klemencic, P.E., S.E., Hon. AIA (2019)

John H. Koon, Ph.D., P.E. (2013)

Richard G. Luthy, Ph.D., P.E., NAE (2012)

Janiele Maffei, P.E., S.E. (2016)

James O. Malley, P.E., S.E. (2016)

Jon D. Magnusson, P.E., S.E., NAE (2017)

Faiz Makdisi, Ph.D., P.E., D.GE (2019)

Benito J. Mariñas, Ph.D. (2019)

Robin K. McGuire, Ph.D., P.E., NAE (2014)

Therese Watkins McMillan (2019)

Lelio Mejia, Ph.D., P.E., G.E. (2018)

Carl L. Monismith, P.E., NAE (2012)

Stephen G. Monismith, Ph.D. (2014)

Marwan Nader, Ph.D., P.E. (2015)

Balakrishnan Narayanan, Ph.D., P.E. (2018)

Michael Ortiz, Ph.D., NAE (2018)

Farhang Ostadan, Ph.D., P.E., G.E. (2019)

Denny S. Parker, Ph.D., P.E., NAE (2015)

Maryann Phipps, P.E., S.E. (2016)

Y.R. (Joe) Rashid, Ph.D., P.E. (2015)

Ellen M. Rathje, Ph.D., P.E. (2018)

James H. Roberts (2016)

Larry L. Russell, Ph.D., P.E. (2015)

Howard A. Schirmer, Jr., P.E. (2016)

Raymond B. Seed, Ph.D. (2019)

Robert L. Taylor, Ph.D., NAE (2012)

George Tchobanoglous, Ph.D., P.E., NAE (2013)

Civil and Environmental Engineering  
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R. Rhodes Trussell, Ph.D., P.E., NAE (2012)  
James D.A. van Hoften, Ph.D. (2012)  
Robert P. Wadell, P.E. (2012)  
Mason T. Walters, P.E., S.E. (2018)  
Robert D. Whitley, P.E. (2017)  
Edward L. Wilson, D Eng., NAE (2012)  
Loring A. Wyllie, Jr., P.E., S.E., NAE (2012)  
Peter I. Yanev, P.E. (2012)  
Victor A. Zayas, Ph.D., P.E. (2012)

Biographies for all members of the Academy of Distinguished  
Alumni can be found at  
[www.ce.berkeley.edu/alumni/academy](http://www.ce.berkeley.edu/alumni/academy)