

DREAM BIG

On Trends and Future of Civil Engineering

ASCE Presidential Talk

Dream Big: On Trends and Future of Civil Engineering

BY

ASCE President Norma Jean Mattei

Ph.D., P.E., F.SEI, F.ASCE



Location: Room ST111, The Hong Kong Polytechnic University

Date: 8th June (Thursday)

Time: 18:30 - 19:30 PM

Registration starts at: 18:15 PM

INTRUCTION:

All around the world, engineers are pushing the limits of ingenuity and innovation in unexpected, imaginative, and amazing ways. ASCE's grand dream is for civil engineers to be global leaders in building a better quality of life for mankind. In this presentation, President Mattei will share how this dream can be achieved, as well as describe the ways in which each engineer can contribute.

ASCE produced in partnership with others a giant-screen film, **Dream Big: Engineering Our World**, which takes viewers on a journey of discovery from the world's tallest building to a bridge higher than the clouds. Along the way, the audience witnesses how today's engineers are shaping the world of tomorrow.

As the oldest engineering society in the United States, ASCE represents 150,000 members in 177 countries. ASCE stands at the forefront of a profession that plans, designs, constructs, and operates society's economic and social engine – the built environment – while protecting and restoring the natural environment.

President Mattei will explain the leading role of ASCE in advancing the civil engineering profession. She will also touch on the following strategic initiatives of ASCE:

- **Sustainable Infrastructure** – Maintain and modernize America's deteriorating infrastructure as well as make our communities sustainable
- **ASCE Grand Challenge** – Significantly enhance the performance and value of infrastructure projects over their life cycles by 2025 and optimize investments
- **Raise the Bar** – Increase education requirements for engineering licensure to better protect the public in the future

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BIO:

ASCE President Norma Jean Mattei, Ph.D., P.E., F.SEI, F.ASCE

ASCE President Norma Jean Mattei, Ph.D., P.E. is a civil engineering professor and past chair at the University of New Orleans' (UNO) Department of Civil and Environmental Engineering. She has been active in ASCE for more than 20 years in local, regional and national leadership roles. Mattei sits on the executive committee of ASCE's New Orleans Branch SEI/Structures Committee. The former Region 5 director has served on ASCE's Committee on Diversity and Women in Civil Engineering and the Committee on Licensure and Ethics. ASCE has drawn on her expertise for a number of media relations activities, including an interview with National Public Radio's "Morning Edition" on post-Hurricane Katrina conditions. Recently, she was spokeswoman for "Raised Floor Living," a commercial that aired in the New Orleans' region promoting elevation of residential structures above the flood plain. In 2012, President Obama named Mattei one of three civilian members of the Mississippi River Commission, which researches and provides policy and work recommendations covering flood control, navigation and environmental projects. In that capacity, she helped oversee a drainage basin that covers 41 percent of the nation. The governor of Louisiana appointed her to the state's licensing board for professional engineers, LAPELS. She also serves on the board of directors for both the Louisiana Transportation Research Center Foundation and the Louisiana Technology Council. Mattei has been a member of the UNO faculty since 1995. Her technical research interests include large watershed management, material and structural testing, sustainable reuse of spent construction and fabrication materials, and residual stress measurement. She is also interested in diversity, licensure and ethics issues. Before her academic career, Mattei worked for more than 10 years for various New Orleans area consulting firms as a project engineer. Those firms include Guillot-Vogt Associates Inc., Linder & Associates and Modjeski & Masters Bridge Engineers. Mattei earned a bachelor's degree in civil engineering in 1982 and a doctorate in 1994, both from Tulane University.

SUPPORTING ORGANIZATIONS:



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Registration Form

(Return on or before 5 June 2017 Monday)

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Registration

- You can either register online through <http://goo.gl/HGKwPH>
- OR fill in this Registration Form and send it back to the ASCE Hong Kong Section by email (ascehk@ust.hk) before 5 June 2017.

Name in Chinese

& English (in block letters):

(Please underline surname)

Mobile Phone No.:

Email Address :

ASCE Member: (Yes/ No)

Membership No.:
(if ASCE member)

Company Name:

Title:

Signature:

Date:

