



UNIVERSITY OF
NOTRE DAME

College of Engineering

DEPARTMENT OF CIVIL AND ENVIRONMENTAL
ENGINEERING AND EARTH SCIENCES

Challenges and Innovation in Civil and Environmental Engineering and Earth Sciences

SPRING 2021 Seminar Series

Thursdays, 3:55pm – 4:55pm, virtual via Zoom

February 11: Patricia J. Culligan

Matthew H. McCloskey Dean of the College of Engineering, Notre Dame
Professor of Civil Engineering

Green Infrastructure and Urban Sustainability

February 18: Mark Petersen

Research Scientist, Los Alamos National Laboratory

Ocean Modeling in the High Desert

February 25: William E. Kelly, PE, ND Geology '65, ND CE BS '65, MS '69, PhD '72

Retired. Director of External Affairs, American Society for Engineering Education (ASEE), Retired Professor of Civil Engineering and Dean of the School of Engineering, Catholic University of America

The ASCE DRAFT Standard Requirements for Sustainable Infrastructure

March 18: Ted P. Zoli, III, PE

National Bridge Chief Engineer, HNTB

Bridge Design as Craft: Insights from 30 years of Practice and Teaching

March 25: Dennis Murphy

Retired, President Kiewit Engineering Co.

Meeting the Challenges of Infrastructure Improvement Using Innovative Construction Engineering

April 8: Edward Kavazanjian, Jr., PhD., P.E., D.GE, NAE

Ira A. Fulton Professor of Geotechnical Engineering and Regents Professor, Director, Center for Bio-mediated and Bio-inspired Geotechnics, Arizona State University

Geo-Alchemy (Turning Sand into Sandstone) and Other Biotechnologies

April 15: Eric Horvath

Public Works Executive Director, City of South Bend

Re-establishing a Sense of Place: South Bend's Smart Streets Initiative

April 29: Paul Giroux, Dist.M.ASCE

Senior Estimating Manager, Kiewit Infrastructure West Co., civil engineering historian

Building Mackinac Bridge