



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

## FALL 2018 Seminar Series

Thursdays, 3:30pm – 4:30pm, 140 DeBartolo

- August 30**                      **Joe Benco, ND CE '90**  
Vice President, Engineering Technical Support, Republic Services, Inc.  
**Implementing Environmental Protection: How Regulation Created Opportunity in the Solid Waste Industry**
- September 6**                      **Kuldip Kumar**  
Senior Environmental Scientist, Metropolitan Water Reclamation District, Chicago  
**Emerging Contaminants in the Environment: What's the Scoop with Animal and Human Poop?**
- September 13**                      **Raymond "Paul" Giroux, Dist.M.ASCE**  
Senior Estimating Manager, Kiewit Infrastructure West Co., civil engineering historian  
**Building the Eads Bridge**
- September 20**                      **Victoria Arbitrio, PE, SECB, F.SEI**  
Associate Partner, Gilsanz Murray Steficek LLP  
**Building in New York**
- September 27**                      **James J. Walsh, PE, BCEE, ND CE '74**  
President/CEO, SCS Engineers  
**Brownfields Remediation – Returning Contaminated Urban Properties to Productive Community Use**
- October 4**                              **David A. Dzombak**  
Hamerschlag University Professor and Head, Civil and Environmental Engineering, Carnegie Mellon University  
**Climate Change Adaptation for Infrastructure: A Grand Challenge for Civil and Environmental Engineering**
- October 11**                              **Jeana Ripple, AIA, LEED AP, ND CSE '01**  
Founding Principal, MIR Collective, Director of Master of Architecture Program and Assistant Professor of Architecture, University of Virginia  
**Generative Material Practice**
- November 8**                              **George Sowers**  
Professor of Practice, Mechanical Engineering, Colorado School of Mines, Former United Launch Alliance (ULA) Vice President and Chief Scientist  
**Mining the Moon for Fun and Profit**
- November 15**                              **Dave Lamoureux, PE, ND CE '99**  
Senior Structural Engineer, Kiewit Engineering Group  
**Evan Gerbo**  
ND CEEES Ph.D. student  
**Arlington Memorial Bridge Rehabilitation**