

# Challenges and Innovation in Civil and Environmental Engineering and Earth Sciences FALL 2022 Seminar Series

Thursdays, 3:30pm-4:30pm  
129 DeBartolo

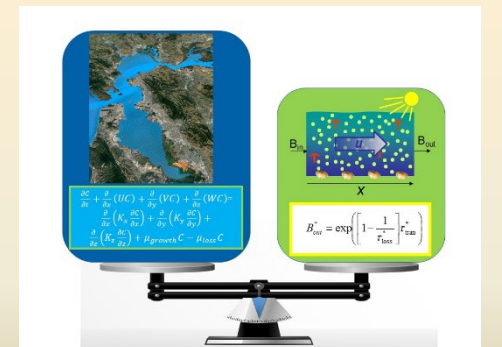
September 1

**Keli Dudek, PE, SE, ND CE 2000**  
Owner/Principal, KeliAnn Engineering  
**Lessons Learned by a Structural Engineer**



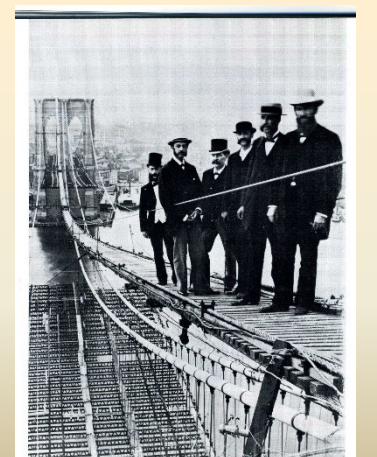
September 8

**Lisa V. Lucas, ND CE 1989**  
Research Engineer, USGS Water Resources Mission Area  
**Are More Complex Models Necessarily Better?**  
**A case for simple models and timescale-based approaches in environmental problem solving**



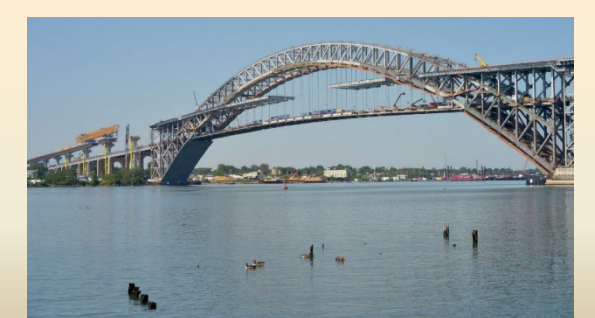
September 22

**Raymond "Paul" Giroux, Dist.M.ASCE**  
Senior Estimating Manager, Kiewit, and civil engineering historian  
**Building Brooklyn Bridge**



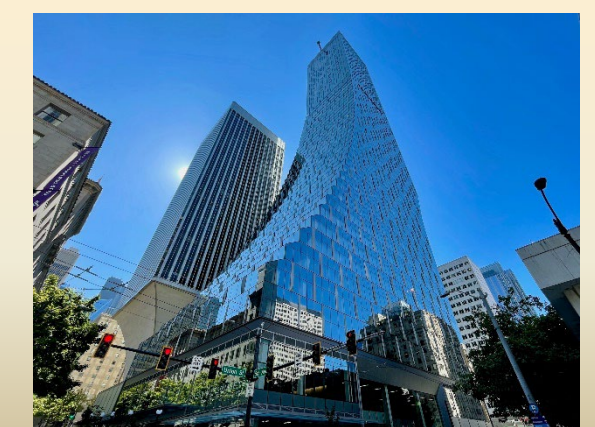
October 6

**Eric Herbert, PE, SE, ND CE 2012**  
Structural Bridge Engineer, Kiewit Infrastructure Engineers  
**Becoming an Engineer One Bridge at a Time**



November 3

**Brian G. Morgen, PhD, PE, SE, LEED AP, ND CE MS 2004 PhD 2007**  
Associate Principal, Office Director, Thornton Tomasetti  
**SpeedCore:**  
**The Potential Construction Industry Game Changer**



November 17

**Kara M. Boyles, PhD, PE, ND PhD 2006**  
City Engineer, Division of Engineering, City of South Bend  
**Engineering South Bend in a Post-Covid Economy**

