

Innovation that Executes

Wednesday, February 27

1:00 EST — Join us for a live broadcast from HQ via [PLATFORM](#)

Opening Remarks: Dr. Larry McCallister
Chief, Engineering and Construction
Headquarters, US Army Corps of Engineers

Keynote Presentation: Kenny Simmons
A Decade of Change and Innovation
Architect - Construction Branch
Headquarters, US Army Corps of Engineers

2:00 EST — Breakout Sessions

Join Breakout Session 1 using
[Skype](#) (preferred) or [Webex](#) (overflow)

Moderated by **Carolyn Pearson**

Amanda Lewis: StormSim-CHRP: Coastal hazards rapid prediction tool

Angela Duren: An overview of weather research and forecasting (WRF) with case study in the Willamette River Basin

C. Landon Erickson: Using HEC-RAS 2D to estimate unit hydrograph parameters for the Marys Creek Watershed

John Murphy & Ghada Ellithy: Use of climatic boundary conditions in transient seepage analysis

Chris J. Redell: Benefits of 3D seepage modeling with unique geotechnical considerations

Pendo Duku: Use of “smart” seismic instruments to monitor dams

Join Breakout Session 2 using
[Skype](#) (preferred) or [Webex](#) (overflow)

Moderated by **Alison Anderson**

Ed Stowasser: Hazard communication tool

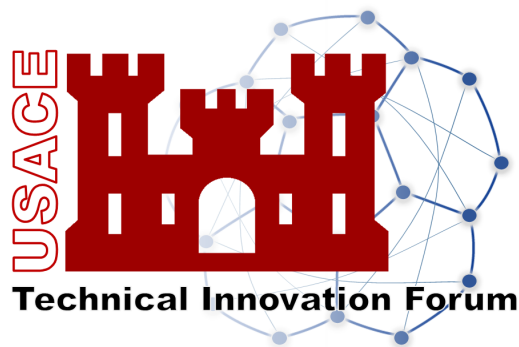
Randall Goss: Dam and levee safety search

Nathan Williams: Organizing, visualizing, and analyzing project data using the python programming language

Edmund Howe: Supervisor dashboard

Lyle Seethaler & Joel Schlagel: Cloud modernization of the civil works business intelligence AIS

Leslie Leonard: HPC architecture for cyber situational awareness



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Thursday, February 28

1:00 EST — *Breakout Sessions*

Join Breakout Session 3 using [Skype](#) (preferred) or [Webex](#) (overflow)

Moderated by **Robin Sternberg**

Ricardo Perez-Garcia: Bridge reliability using PGM:
Steel multi-girder

Guillermo A. Riveros: Advances in methods to repair
fatigue cracks in hydraulic steel structures using
fiber-reinforced polymers

Dale Hartman, Joey Behr, & Tricia Torok:
Non-permanent facilities: Common Uniform Building
Envelope

Jonathan Boone: Accelerated project coordination with
4D BIM and AR/BR immersive environments

Mark J. Fisher: The best chemical exposure is avoided
chemical exposure: Innovative planning and design for
mitigation of vapor intrusion exposure in buildings at
active facilities

Join Breakout Session 4 using [Skype](#) (preferred) or [Webex](#) (overflow)

Moderated by **Rajeev Agrawal**

Shawn McCabe: Determining optimal plan species
and placement for phytoremediation of
trichloroethene (TCE) in groundwater and soil

Ben McGuire & Joan Stemler: Environmental pool
management “creating thousands of habitat for zero
dollars” in the St. Louis District

Jennifer Kist: The use of acoustic backscatter, multi-
spectral backscatter, and multifrequency sonars

Abiye Williams: Trend analysis of spatiotemporal
patterns of shoaling in the Fort-McHenry channel
Chesapeake Bay Maryland.

Matt Ferguson: Deep-water video surveys for dredged
material disposal

Riley Carey: A case study of successful dynamic work
strategies for performing MARSSIM surveys in variable
environments

3:00 EST — *Join us for a live broadcast from HQ via [PLATFORM](#)*

Keynote Presentation: LTG Todd T. Semonite
Revolutionizing USACE
54th Chief of Engineers
Commanding General, US Army Corps of Engineers

Closing remarks: Dr. Larry McCallister
Chief, Engineering and Construction
Headquarters, US Army Corps of Engineers