

ACI Fall 2021 Virtual Convention

ACI Committee 444 - Structural Health Monitoring and Instrumentation Tuesday, October 19, 2021, 11:00 AM - 2:00 PM - EDT

Go-To-Meeting Link: <https://global.gotomeeting.com/join/758608589>

- 1- **Mini Session: Introduction of ACI 444.2 Report** (Schumacher - 60 min) 11:00 am
- 2- **Break and Transition to Committee Meeting** (Schumacher - 5 min) 12:00 am
- 3- **Welcome and Introductions** (Schumacher - 10 min) 12:05 pm
- 4- **Membership Status and Update** (Schumacher - 5 min) 12:15 pm
- 5- **CRC Proposal Presentation and Discussion** (Schumacher - 20 min) 12:20 pm
 - 5.1- Li Ai & Paul Ziehl: Developing Bridge Automated Load Rating Framework Using Digital Twins.
- 6- **Status of Technical Sessions** (ElBatanouny - 20 min) 12:40 pm
 - 6.1- Fall 2021 - Virtual, October 17-21, 2021 (this convention)
 - Mini Session: Introduction of ACI 444.2 Report
 - 6.2- Spring 2022 - Orlando, FL, March 27-31, 2022
 - Update on technical session entitled “Structural Load Testing and Monitoring for Concrete Bridge Evaluation”. Co-sponsored by ACI Committee 342.
 - Discuss hosting session entitled “Application of Artificial Intelligence (AI) and Machine Learning (ML) to SHM”.
 - Discuss hosting ACI 123 Forum on “NDT & SHM and cross-bridging”.
 - 6.3- Fall 2022 - Dallas, TX, October 23-27, 2022
 - Technical session entitled “Emerging Methods for Surface Damage Monitoring and Imaging”. Co-sponsored by ACI Committee 228? Open discussion.
 - Technical session entitled “2D Surface Monitoring - Paints and Camera Imaging”. Open discussion.
 - 6.4- Spring 2023 - San Francisco, CA, April 2-6, 2023
 - Open discussion for ideas.
- 7- **Committee Document ACI 444.3** (Hedegaard - 40 min) 1:00 pm
Review of sample chapter, status updates from contributors
- 8- **New Business and Announcements** (Schumacher - 20 min) 1:40 pm
 - 8.1- Technote: What does an owner need to know about SHM?
 - 8.2- Review paper defining terms like “damage”, “health”, “condition” and how they can be measured with SHM technology.
 - 7.3- Upcoming conferences and workshops
- 9- **Adjourn** 2:00 pm