

**ACI Spring 2021 Convention  
Virtual Convention**

**ACI Committee 444 - Structural Health Monitoring and Instrumentation**

**Tuesday, March 30, 2021**

**11:00 AM - 2:00 PM - EDT**

**Go-To-Meeting Link: <https://global.gotomeeting.com/join/758961997>**

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| 1- <b>Welcome and Introductions</b> (Schumacher - 5 min)   | 11:00 am |
| 2- <b>Membership Status and Update</b> (Schumacher - 5 min)  | 11:05 am |
| 3- <b>Nugget Presentations</b> (Schumacher - 20 min)   | 11:10 am |
| 4- <b>Status of Technical Sessions</b> (ElBatanouny - 20 min)  | 11:30 am |
| 4.1 - Spring 2021 - Virtual Convention (this convention)   |          |
| • Joint session with ACI 216 - The Concrete Industry in the Era of AI. Monday March 29, 2021, 4:00 to 6:30 pm  |          |
| 4.2 - Fall 2021 - Atlanta, GA, October 17-21, 2021   |          |
| • Joint session with ACI 342 - Structural Load Testing and Monitoring for Concrete Bridge Evaluation.  |          |
| 4.3 - Spring 2022 - Orlando, FL, March 27-31, 2022   |          |
| • Technical session entitled “Application of Artificial Intelligence (AI) and Machine Learning (ML) to SHM”.   |          |
| • Mini session introducing ACI 444.2 Report  |          |
| 4.4 - Fall 2022 - Dallas, TX, October 23-27, 2022  |          |
| • Open discussion for session ideas  |          |
| 5- <b>Committee Document ACI 444.2:</b> “Concrete Structure Structural Health Monitoring Technologies”: Status update (Schumacher - 15 min)  | 11:50 am |
| 6- <b>Committee Document ACI 444.3:</b> “Analysis, Interpretation, and Prognosis of Structural Health Monitoring Data for Concrete Structures”: Status update, review ballot of sample chapter, presentations from authors of their contributions (Hedegaard - 60 min) | 12:05 pm |
| 7- <b>Review/Update Committee Web Page</b> (Schumacher - 20 min)   | 1:05 pm  |
| 8- <b>New Business and Announcements</b> (Schumacher - 35 min)   | 1:25 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.   |          |
| 8.3 – Upcoming conferences and workshops   |          |
| 9- <b>Adjourn</b>  | 2:00 pm  |