



American Concrete Institute

38800 Country Club Drive
Farmington Hills, MI 48331 USA
+1.248.848.3700
www.concrete.org

Meeting Agenda #63

365: Service Life Prediction
Cincinnati, OH
Monday, October 21, 2019: 9:00 to 12:00 am
C-206A

Mission: Develop and report information on the service life of concrete structures.

Chair: Kyle Stanish

Secretary: Jose Pacheco

1. Administrative

- 1.1. Self-Introductions and Membership Update
 - 1.1.1. New Associate Members: Beatriz Martin-Perez, University of Ottawa; Kevin Krawiec, Corrosion Probe
 - 1.1.2. Regrets:
- 1.2. Approval of the previous meeting's minutes.
- 1.3. Approval of Agenda

2. Meetings of Interest

- 2.1 Fourth International RILEM Conference on Microstructure Related Durability of Cementitious Composites, October 26-28, 2020, Madurdam, Den Haag, Netherlands, Dr. Guang Ye
- 2.2 1st International Conference on Smart Materials for Sustainable Construction (SMASCO19), December 10-12, 2019, Norrbotten, Sweden, Prof. Andrzel Cwirzen
- 2.3 7th International Conference on Durability of Concrete Structures (ICDCS2020), June 3-5, 2020, Jinan, China, Dr. Pengkun Hou
- 2.4 VIII International Conference of the Spanish Association for Structural Engineering (ACHE) 2020, June 17-19, 2020, Santander, Spain, Héctor Bernardo Gutiérrez
- 2.5 Others

3. Presentations

- 3.1 Research Proposal: Salt Lake City Airport Parking Structure Investigation, Amanda Bordelon, Utah Valley University

4. New Document: Design Standard for Service Life Predictions

- 4.1. Review Ballots – Initial Draft
 - 4.1.1 Chapter 4: Establishing Project Criteria
 - 4.1.2 Chapter 5: Approach Selection
 - 4.1.3 Chapter 6: Input Parameters and 7: Modeling
 - 4.1.4 Chapter 8: Results and Evaluation

Always advancing

- 4.1.5 Chapter 9: Implementation
- 4.2. Next Steps
- 4.4. Schedule:

Fall 2017 (Anaheim)	Identify Chapter Leads
Spring 2018 (Salt Lake City)	Chapter Outlines
Fall 2018 (Las Vegas)	Chapter Outlines
Spring 2019 (Quebec City)	First Ballot – Chapter 3
Fall 2019 (Cincinnati)	Initial Draft
Spring 2020 (Rosemont, IL)	Revision & Balloting
Fall 2020 (Raleigh)	Revision & Balloting
Spring 2021 (Baltimore)	Finalize to Submit to TAC
Fall 2021 (Atlanta)	TAC Comments
Spring 2022 (Orlando)	Public Comments
Fall 2022 (Dallas, TX)	Published

5. Technical Sessions

Identify Sessions that there is an interest in moving forward, and responsible champions.

- 5.1. “Benchmarking of Codes and Specifications for Service Life,” Meghadad Hoseini, Aiming for Raleigh – Fall 2020
- 5.2. “Model vs Model (comparison of different models),” Berke
- 5.3. Durability and service life with 201, Pacheco
- 5.4. “Service Life and Residual Capacity of Concrete Structures” Chiadiac
- 5.5. “Implementing Service Life Design”, Church, Nagi
- 5.6. Service Life Modelling in design/build projects
- 5.7. Evaluating model sensitivity for different parameters
- 5.8. Probability analysis to focus on importance of different parameters, Mahmoud
- 5.9. Service life and ultra-high-performance concrete (liaising with ACI329)
- 5.10. Performance specifications and Service Life Modelling – possibly joint session with 329

6. Adjournment

- 6.1 The next meeting will be on Monday, March 30, 2020 from 9-12 at Fall 2019 Convention in Rosemont/Chicago, IL