



American Concrete Institute

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## Meeting Agenda #62

**365: Service Life Prediction**  
**Quebec City, QC**  
**Monday, March 25, 2019: 9:00 to 11:00 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: Alex Rollings, Spray-Lock; Charbel Aoun, ACTS; Jonah Kurth, Structural Technologies; Joe Qiao, DRP; Vincent Lapointe, Simco;
  - 1.1.2. Regrets: Neal Berke
- 1.2. Approval of the previous meeting's minutes.
- 1.3. Approval of Agenda

### 2. Meetings of Interest

- 2.1 Third International Conference on Bio-based Building Materials (ICBBM2019), June 26-28, 2019, Belfast, Northern Ireland, UK, Dr. Mohamed Sonebi
- 2.2 Fifth International Conference on Sustainable Construction Materials and Technologies, July 14-17, 2019, London, UK, Prof. Peter Claisse
- 2.3 Concrete Solutions 2019 – 7<sup>th</sup> International Conference on Concrete Repair, September 30 to October 2, 2019, Cluj Napoca, Romania, Prof. Michael Grantham
- 2.4 Fourth International RILEM Conference on Microstructure Related Durability of Cementitious Composites, October 26-28, 2020, Madurdam, Den Haag, Netherlands, Dr. Guang Ye
- 2.5 Others

### 3. Presentations

- 3.1 “Modelling Corrosion Propagation” by Vincent LaPointe, SIMCO
- 3.2 “Service Life Requirements in Global Codes & Standards,” by Tracy Marcotte, CVM

### 4. New Document: Design Standard for Service Life Predictions

- 4.1. Review Ballots
  - 4.1.1 Chapter 3 – Richard Cantin, Tracy Marcotte
- 4.2. Discuss Proposed Chapter
  - 4.2.1 Chapter 5/6 – Isgor/Mahmoud/Chidiac/Zatar/Trejo

*Always advancing*

- 4.2.2 Others?
- 4.3 Chapter Leads (Information Only)
  - 4.3.1 Chapter 1: Introduction – On Hold
  - 4.3.2 Chapter 2: Definitions and Abbreviations - On Hold
  - 4.3.3 Chapter 3: Project Criteria and Objectives: T. Marcotte and R. Cantin
  - 4.3.4 Chapter 4: Service Life Approach Selection: J. Aldred and N. Berke
  - 4.3.5 Chapter 5: Input Parameters: W. Zatar and D. Trejo
  - 4.3.6 Chapter 6: Modeling: B. Isgor, S. Mahmoud and S. Chidiac
  - 4.3.7 Chapter 7: Results and Evaluation: M. Nagi and S. Zhou
  - 4.3.8 Chapter 8: Implementation: B. Smith and M. Miltenburger
  - 4.3.9 Chapter 9: References – On Hold
- 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)	First Ballot – Four Chapters
Spring 2020 (Rosemont, IL)	Ballot Revisions, Introduction
Fall 2020 (Raleigh)	Ballot Revisions
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. These can either be full sessions or mini-sessions.

- 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 25, 2019 from 9-11 at Fall 2019 Convention in Cincinnati, OH.