



American Concrete Institute

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## Meeting Agenda #60

**365: Service Life Prediction**  
**Salt Lake City**  
**Monday, March 26, 2018: 9:00 to 11:00 am**  
**GA-Bagatelle**

*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 Voting Members: None
  - 1.1.2. New Associate Members: Dennis Muhonen, Premier Concrete Construction; Bassam Sadawi, MMFX Technologies; Mahmoud Shakouri, University Nebraska Kearney;
- 1.2. Approval of the previous meeting's minutes.
- 1.3. Approval of Agenda

### 2. Meetings of Interest

- 2.1. Ninth International Conference on Material Science and Engineering (IMS2018), July 23-25, 2018, Toronto, Canada, Dr. Mohamed Sonebi
- 2.2. Sixth International Conference on Durability of Concrete Structures (ICDCS2018), September 17-19, 2018, Belfast, Ireland, UK, Prof. PAM Basheer
- 2.3. Synercrete 18 – Interdisciplinary Approaches for Cement-Based Materials and Structural Concrete, October 24-26, 2018, Funchal, Madeira Island, Portugal, Prof. Miguel Azenha
- 2.4. Third International Conference on Bio-based Building Materials (ICBBM2019), June 26-28, 2019, Belfast, Northern Ireland, UK, Dr. Mohamed Sonebi
- 2.5. Fifth International Conference on Sustainable Construction Materials and Technologies, July 14-17, 2019, London, UK, Prof. Peter Claisse
- 2.6. Others

### 3. Presentations

- 3.1. COST Action TU1404 - European Union funded network towards the next generation of standards for service life of cement-based materials and structures, by Dirk Schlicke
- 3.2. Concrete Institute of Australia's Perspective and Ongoing Work on Service Life Prediction, by Vute Sirivivatnanon

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

- 4.1. Chapter outlines

*Always advancing*

- 4.1.1 Chapter 1: Introduction – On Hold
- 4.1.2 Chapter 2: Definitions and Abbreviations - On Hold
- 4.1.3 Chapter 3: Project Criteria and Objectives: T. Marcotte and R. Cantin
- 4.1.4 Chapter 4: Service Life Approach Selection: J. Aldred and N. Berke
- 4.1.5 Chapter 5: Input Parameters: W. Zatar and D. Trejo
- 4.1.6 Chapter 6: Modeling: B. Isgor, S. Mahmoud and S. Chidiac
- 4.1.7 Chapter 7: Results and Evaluation: M. Nagi and S. Zhou
- 4.1.8 Chapter 8: Implementation: B. Smith and M. Miltenburger
- 4.1.9 Chapter 9: References – On Hold
- 4.2 Mandatory Language per ACI TCM 2016
- 4.3 Schedule:

|                              |                                |
|------------------------------|--------------------------------|
| Fall 2017 (Anaheim)          | Identify Chapter Leads         |
| Spring 2018 (Salt Lake City) | Chapter Outlines               |
| Fall 2018 (Las Vegas)        | First Ballot – Three Chapters  |
| Spring 2019 (Quebec City)    | First Ballot – Three Chapters  |
| Fall 2019 (Cincinnati)       | Ballot Revisions, Introduction |
| Spring 2020 (Chicago)        | Ballot Revisions               |
| Fall 2020 (Raleigh)          | Finalize to Submit to TAC      |
| Spring 2021 (Baltimore)      | TAC Comments                   |
| Fall 2021 (Atlanta)          | Public Comments                |
| Spring 2022 (TBD)            | 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. “Service Life and Safety of Concrete Structures”
- 5.2. “Implementing service life design”
- 5.3. Service Life Modelling in design/build projects
- 5.4. Evaluating model sensitivity for different parameters
- 5.5. Probability analysis to focus on importance of different parameters
- 5.6. Service life and ultra-high-performance concrete (liaising with ACI329)
- 5.7. Performance specifications and Service Life Modelling – possibly joint session with 329

## 6. Adjournment

- 6.1 The next meeting will be on Monday, October 15, 2018 from 9-11 at Fall 2018 Convention in Las Vegas, NV.