



American Concrete Institute

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### Meeting Agenda #61

**365: Service Life Prediction**  
**Las Vegas, NV**  
**Monday, October 15, 2018: 9:00 to 11:00 am**  
**Amazon N**

*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: Lars-Olof Nilsson, Moisture Engineering Institute
  - 1.1.2. New Associate Members: Marwa Abdelrahman, WJE; I-Wen (Evan) Huang, BASF; Justin Foster, NAVFAC; Ali Riza Erbektas, Oregon State; Hossein Mosavi, University of Florida
  - 1.1.3. Regrets:
- 1.2. Approval of the previous meeting's minutes.
- 1.3. Approval of Agenda

#### 2. Meetings of Interest

- 2.1. Synercrete 18 – Interdisciplinary Approaches for Cement-Based Materials and Structural Concrete, October 24-26, 2018, Funchal, Madeira Island, Portugal, Prof. Miguel Azenha
- 2.2. 3<sup>rd</sup> R.N. Raikar Memorial International Conference and 'Gettu-Kodu' International Symposium on 'Advances in Science & Technology of Concrete, December 14 & 15, 2018, Mumbai, India, Dr. Surendra Manjrekar
- 2.3. Third International Conference on Bio-based Building Materials (ICBBM2019), June 26-28, 2019, Belfast, Northern Ireland, UK, Dr. Mohamed Sonebi
- 2.4. Fifth International Conference on Sustainable Construction Materials and Technologies, July 14-17, 2019, London, UK, Prof. Peter Claisse
- 2.5. Concrete Solutions 2019 – 7<sup>th</sup> International Conference on Concrete Repair, September 30 to October 2, 2019, Cluj Napoca, Romania, Prof. Michael Grantham
- 2.6. Others

#### 3. Presentations

- 3.1. Effect of Service life of Reinforced Concrete Structures on Construction Practices in the Middle East by Mohamad Nagi, American University in Dubai

#### 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 2018
- 4.3 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 – Three Chapters
Fall 2019 (Cincinnati)	First Ballot – Three 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. “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, March 25, 2019 from 9-11 at Spring 2019 Convention in Quebec City, QC.