



American Concrete Institute

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## Meeting Agenda #66

### 365: Service Life Prediction Virtual

**Monday, March 29, 2021: 12:00 am to 3:00 pm Eastern**

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

**Chair: Kyle Stanish**

**Secretary: Jose Pacheco**

#### **1. Administrative (3 min)**

- 1.1. Membership Update
  - 1.1.1. New Associate Members: Rakesh Khan, FDH Infrastructure; Usama Jacir, Cortec; Bruno Fong Martinez, Kiewit
  - 1.1.2. Regrets:
- 1.2. Approval of the previous meeting's minutes: Report on Ballot ending 3/24.
- 1.3. Approval of Agenda.

#### **2. Meetings of Interest (2 min)**

- 2.1 6<sup>th</sup> International Conference on Concrete Repair, Rehabilitation and Retrofitting (ICCRRR 2022) October 4 to 6, 2022, Cape Town, South Africa, Prof. Hans Beushausen, University of Cape Town, [hans.beushausen@uct.ac.za](mailto:hans.beushausen@uct.ac.za); [icrrr2022.org](http://icrrr2022.org)
- 2.2 Others

#### **3. New Document: Design Standard for Service Life Predictions (2hr 00 min)**

- 3.1. Term for the Service Life Modeler (Marcotte, Saddawi, Zatar) (15 min)
- 3.2. Ballot ending 3/24 results.
- 3.3. Ballot discussion of major items
- 3.4. Timeline:

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 (Virtual)	Definitions Balloting
Fall 2020 (Virtual)	Revision & Balloting
Spring 2021 (Virtual)	Revision & Balloting
Fall 2021 (Atlanta)	Finalize to Submit to TAC
Spring 2022 (Orlando)	Address TAC Comments
Fall 2022 (Dallas, TX)	Address Public Comments

3.5. Next Steps:

3.5.1. Future virtual meetings?

**4. Technical Presentations (25 min) [Starting at 2:00 pm Eastern]**

- 3.1 Shengjun Zhou, Bell Asset Engineering “Recent Developments in Chloride Modeling”
- 3.2 Carolyn Hansson, University of Waterloo, “Critical Chloride Threshold Values in Service Life Models”

**5. Convention Sessions (30 min)**

5.1 List of Possible Sessions

- 5.1.1 Model vs Model (comparison of different models), Berke
- 5.1.2 Durability and service life with 201, Pacheco
- 5.1.3 Service Life and Residual Capacity of Concrete Structures, Chiadiac
- 5.1.4 Implementing Service Life Design, Church, Nagi
- 5.1.5 Service Life Modelling in design/build projects
- 5.1.6 Evaluating model sensitivity for different parameters
- 5.1.7 Probability analysis to focus on importance of different parameters, Mahmoud
- 5.1.8 Service life and ultra-high-performance concrete (liaising with ACI329)
- 5.1.9 Performance specifications and Service Life Modelling – possibly joint with 329

**6. Adjournment**

- 6.1 The next meeting will be on Monday, October 18, 2021 from 9-12 at Fall 2021 Convention in Atlanta, GA.