The actual list of the opening and keynote lectures - ICCC 2019

Opening Speech:
“Progress of the Cement Chemistry – the Last Hundred Years and Next” – Mr. Fred Glasser
Mrs. Karen Scrivener

Themes:
1. Process Technology and Clinker Chemistry
   - The Cement Industry on the way to a low carbon industry – Mr. Martin Schneider
   - Alternative fuels: Effects on clinker process and properties – Mr. Anjan Chatterjee

2. Hydration, Structure and Thermodynamics of Portland Cements
   - Advances in understanding cement hydration mechanisms – Mrs. Karen Scrivener
   - Application of thermodynamic modelling to hydrated cements – Mrs. Barbara Lothenbach
   - Advances in characterizing and understanding the microstructure of cementitious materials – Mr. Paulo Monteiro

3. Supplementary Cementitious Materials (SCMs)
   - Supplementary Cementitious Materials: New Sources, Characterization, and Performance Insights – Mrs. Maria Juenger
   - Reactivity of Supplementary Cementitious Materials (SCMs) in Cement Blends – Mr. Jørgen Skibsted
   - Fly ash and slag – Mr. Zbigniew Giergiczny

4. Other Binders and their Application
   - Recent progress in low-carbon binders - Mr. Caijun Shi
   - Hybrid binders: A journey from the past to a sustainable future (opus caementicium futurum) – Mr. Angel Palomo
   - Advances in understanding ye’elimite-rich cements – Mr. Mohsen Ben Haha

5. Chemical Admixtures and Fresh Concrete (Fresh and Hardened Concrete)
   - Recent advance of chemical admixtures in concrete – Mr. Liu Jiaping
   - Rheological Properties of Ultra-High-Performance Concrete – An Overview – Mr. Kamal Khayat
   - Digital concrete: A review – Mr. Robert Flatt
   - Properties of early-age concrete relevant to cracking in massive concrete – Mr. Ippei Maruyama
   - Recent advances on yield stress and elasticity of fresh cement-based materials – Mr. Nicolas Roussel
6. Concrete Durability
   - Concrete Durability: Recent Advances and Next Steps – Mr. Mike Thomas
   - Durability, service life prediction, and modelling for reinforced concrete structures – review and critique – Mr. Mark Alexander
   - Crack-altered durability properties and performance of structural concretes – Mr. Kefei Li
   - Carbonation as a method to improve climate performance for cement based material – Mr. Ronny Andersson
   - Toward the Prediction of Pore Volumes and Freeze- thaw Performance of Concrete Using Thermodynamic Modelling – Mr. Jason Weiss

7. Testing Methods – Standardization and New Approach
   - Future Directions for Design, Specification, Testing, and Construction of Durable Concrete Structures – Mr. Doug Hooton
   - Rethinking cement standards: opportunities for a better future – Mr. Vanderley John