



The actual list of the opening and keynote lectures - ICCP 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’elinite-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 Rousset



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