

Topic 2: New materials and structures for ultra-durability

- 13:30 – 13:45 Impact of Super Absorbent Polymers on Early Age Behavior of Ultra-High Performance Concrete Walls
J. Kheir, L. De Meyst, J.R. Tenório Filho, T.A. Hammer, A. Klausen, B. Hilloulin, A. Loukili, N. De Belie
- 13:45 – 14:00 Influence of crack geometry and crack width on carbonation of High-Volume fly Ash (HVFA) mortar
Tim Van Mullem, Laurence De Meyst, Jessica P. Handoyo, Robby Caspeepe, Nele De Belie, Philip Van den Heede
- 14:00 – 14:15 Microencapsulation of Isophorone Diisocyanate with Silica Shell
Ahsanollah Beqlarigale, Doğa Eyice, Yoldaş Seki and Halit Yazıcı
- 14:15 – 14:30 Pore-scale numerical modeling tools for improving efficiency of direct carbon capture in compacts
Ravi A. Patel, Nikolaos I. Prasianakis
- 14:30 – 14:45 Long term capillary imbibition of mortars with slag and fly ash
Natalia Alderete, Yury A. Villagrán-Zaccardi, Nele De Belie
- 14:45 – 15:00 Microstructural and chemical effects of accelerated carbonation of High-Volume Fly Ash binders in view of carbon sequestration
Philip Van den Heede, Nele De Belie
- 15:00 – 15:15 Usefulness of mercury porosimetry to assess the porosity of cement composites with the addition of aerogel particles
Jarosław Strzałkowski, Halina Garbalińska
- 15:15 – 15:30 Bacteria-based self-healing concrete
Ruben Paul Borg, Joseph Buhagiar, Jade Farrugia