

Photo: Siavash Ghabezloo



ConCarb2019
Mechanisms of Concrete Carbonation

Thursday June, 27th 2019

08:00 - 08:40	Registration - Breakfast	
Morning session Chairman: Bruno HUET , Lafarge Holcim, France		
08:40 - 08:50	Bruno HUET , Lafarge Holcim Patrick DANGLA , IFSTTAR	Welcoming speech
08:50 - 09:00	Christophe LEVY Lafarge Holcim, France	Opening speech
09:00 - 09:40	Kim KURTIS Georgia Tech, USA	Carbonation in OPC and Alternative Cement Concrete: Impact of Real Climate versus Accelerated Testing and Implications on Service Life
09:40 - 10:20	Barbara LOTHENBACH EMPA, Switzerland	Effect of carbonation on hydrate assemblage and pore solution
10:20 - 10:40	Coffee break	
10:40 - 11:20	Stéphane POYET CEA, France	Water Sorption of cement paste: effect of carbonation and temperature
11:20 - 12:00	Anna HARRISON Queen's University, Canada	Probing the links between mineral reactivity and water availability
12:00 - 12:40		Discussions
12:40 - 14:00	Lunch	
Afternoon session Chairman: Patrick DANGLA , IFSTTAR, France		
14:00 - 14:40	Hong WONG Imperial College, UK	Microstructure and transport properties of partially saturated concrete
14:40 - 15:20	Karen SCRIVENER EPFL, Switzerland	Gas diffusion as a function of microstructure
15:20 - 16:00	Laurence J. JACOBS Georgia Tech, USA	Advanced ultrasonic techniques to characterize changes in microstructure due to carbonation and microcracking
16:00 - 16:20	Coffee break	
16:20 - 17:00	Olivier BILDSTEIN CEA, France	Reactive transport modeling of coupled concrete carbonation and drying
17:00 - 17:40		Discussions

