### ConCarb2019

**Mechanisms of Concrete Carbonation**  
**Thursday June, 27th 2019**

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Title</th>
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<tr>
<td>08:00</td>
<td>Registration – Breakfast</td>
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<tr>
<td>08:40</td>
<td>Morning session</td>
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<tr>
<td>08:40 – 08:50</td>
<td>Bruno HUET, Lafarge Holcim, France</td>
<td>Welcoming speech</td>
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<tr>
<td>08:50 – 09:00</td>
<td>Christophe LEVY, Lafarge Holcim, France</td>
<td>Opening speech</td>
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<tr>
<td>09:00 – 09:40</td>
<td>Kim KURTIS, Georgia Tech, USA</td>
<td>Carbonation in OPC and Alternative Cement Concrete: Impact of Real Climate versus Accelerated Testing and Implications on Service Life</td>
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<tr>
<td>09:40 – 10:20</td>
<td>Barbara LOTHENBACH, EMPA, Switzerland</td>
<td>Effect of carbonation on hydrate assemblage and pore solution</td>
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<td>10:20 – 10:40</td>
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<td>Coffee break</td>
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<tr>
<td>10:40 – 11:20</td>
<td>Stéphane POYET, CEA, France</td>
<td>Water Sorption of cement paste: effect of carbonation and temperature</td>
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<td>11:20 – 12:00</td>
<td>Anna HARRISON, Queen’s University, Canada</td>
<td>Probing the links between mineral reactivity and water availability</td>
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<td>12:00 – 12:40</td>
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<td>Discussions</td>
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<td>12:40 – 14:00</td>
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<td>Lunch</td>
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<td>14:00 – 14:40</td>
<td>Hong WONG, Imperial College, UK</td>
<td>Microstructure and transport properties of partially saturated concrete</td>
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<td>14:40 – 15:20</td>
<td>Karen SCRIVENER, EPFL, Switzerland</td>
<td>Gas diffusion as a function of microstructure</td>
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<td>15:20 – 16:00</td>
<td>Laurence J. JACOBS, Georgia Tech, USA</td>
<td>Advanced ultrasonic techniques to characterize changes in microstructure due to carbonation and microcracking</td>
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<td>16:00 – 16:20</td>
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<td>Coffee break</td>
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<td>16:20 – 17:00</td>
<td>Olivier BILDSTEIN, CEA, France</td>
<td>Reactive transport modeling of coupled concrete carbonation and drying</td>
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<tr>
<td>17:00 – 17:40</td>
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<td>Discussions</td>
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**Thursday June, 27th 2019**  
**Morning session**  
Chairman: Bruno HUET, Lafarge Holcim, France  
**Afternoon session**  
Chairman: Patrick DANGLA, IFSTTAR, France