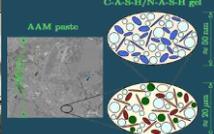


Objectives | PhD Students and PostDoc researchers interested in modern alkali-activated concretes learn and discuss in lectures, get hands-on experience with advanced experimental techniques in laboratory exercises and are introduced to micromechanics-based multiscale modeling. A final presentation is prepared by the participants on a topic of choice based on the results obtained during the laboratory and modeling exercises. Feedback is provided by all teachers.

Topics |  **solidification process**  **rheological behavior**  **volume stability**  **NDT techniques**  **mechanical behavior**  **multiscale modeling**

Project | The Interact Doctoral School is hosted in the framework of the Interact project. More info: <https://interact.ulb.be>

Program	Mo, May 23	Tu, May 24	We, May 25	Th, May 26	Fr, May 27
<i>Invited Lectures</i>	<i>Interact Lectures</i> Microstructure Hydration	<i>Interact Lectures</i> Mechanics Ultrasound	<i>Interact Lectures</i> Micromechanics Modeling Theory	<i>Preparation of presentations:</i> experimental vs. modeled results obtained during the course	
<i>Interact presentations</i>	<i>Interact Lectures</i> Rheology Autog. Shrinkage	<i>Interact Lectures</i> Creep Drying shrinkage	<i>Modeling Ex. I</i> Stiffness/Strength	<i>Participant presentation</i> (all teachers)	
<i>PhD Student Presentation</i>	Laboratory Day1 Lab Tour, Mixing, Calorimetry, Rheometer, Autog. shrinkage	Laboratory Day 2 Embedded sensors, Stiffness/Creep monitoring, Drying shrinkage	<i>Modeling Ex. II</i> Creep/Shrinkage	<i>Feedback / Closure</i>	
Welcome Cocktail			Course Dinner		
					

Speakers | **Invited Lectures**
Rupert Myers, Imper. Coll. London
Didier Snoeck, ULB/VUB Brussels
Frank Dehn, Karlsruher Inst. Techn.
Susan Bernal, Univ. Leeds

Interact Lectures
Özlem Cizer, KU Leuven
Ruben Snellings, VITO
Mert Yücel Yardimci, UGent
Stéphanie Staquet, ULB
Luise Göbel, Bauhaus U.

Arnaud Deraemaeker, ULB
Markus Königsberger, TU/ULB
Brice Delsaute, ULB
Jérome Carette, ULB
Shiju Joseph , KU Leuven

Certificate | Upon successful presentation, participants receive a certificate with 3 ECTS (3 credits that may be validated as doctoral research training in their home university).

Support | RILEM event. All participating PhD students will receive a 3-years RILEM membership. 

Costs | 250 € including coffee, lunch, welcome cocktail, course dinner, courses supports

Registration | until April 30, 2022, link to registration form: <https://bit.ly/3klrUX5>

Organizers | Markus Königsberger  markus.konigsberger@ulb.be
Stéphanie Staquet  stephanie.staquet@ulb.be

For more information visit
<https://interact.ulb.be/events/>