


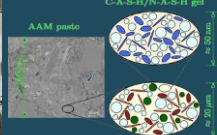



**Objectives** | PhD Students and PostDoc researchers interested in modern alkali-activated concretes learn and discuss in lectures, get hands-on experience with advanced experimental techniques in laboratory exercises and are introduced to micromechanics-based multiscale modeling. A final presentation 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>PhD Student Presentation</i>		<b>Laboratory Day1</b> Lab Tour, Mixing, Calorimetry, Rheometer, Autog. shrinkage	<b>Laboratory Day 2</b> Embedded sensors, Stiffness/Creep monitoring, Drying shrinkage	<i>Modeling Ex. II</i> Creep/Shrinkage	<i>Participant presentation</i> (all teachers )
<b>Welcome Cocktail</b>				<b>Course Dinner</b>	<b>Feedback / Closure</b>
					

**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  
Jérôme 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](mailto:markus.konigsberger@ulb.be)  
Stéphanie Staquet  [stephanie.staquet@ulb.be](mailto:stephanie.staquet@ulb.be)

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