

Welcome to the RILEM/COST conference EAC2

We are honored to organize the annual scientific meeting of the European COST Action TU1404 (www.tu1404.eu) in 2017 in conjunction with the **2nd International RILEM/COST Conference on Early Age Cracking and Serviceability in Cement-based Materials and Structures EAC-02** from **12 to 14 September, 2017**, in **Brussels, Belgium**. This International RILEM/COST Conference follows the **RILEM International Conference on Early Age Cracking in Cementitious Systems (EAC'01)** organized in March, 2001, in Haifa, Israel, by Prof. Konstantin Kovler. The EAC'01 conference was dedicated to early age cracking in cementitious systems, one of the most prominent topics tackled by COST Action TU1404. Indeed, these contain three work packages: Testing of CBM, Modeling of CBM and behavior of structures and development of products and recommendations. It is the reason why the idea came naturally to organize 'EAC-02' in conjunction with the annual event of the COST Action TU1404. Therefore, we cordially invite colleagues concerned about early age cracking, serviceability and related durability aspects in cement-based materials and structures, to join us on September 12-14, 2017 at Université Libre de Bruxelles (ULB) in Brussels, the capital of the European Union, having a long history of hosting the institutions of the European Union, a place with a rich history and vibrant activities situated in the heart of Europe.

OBJECTIVES

The objective of the conference is to bring together researchers from academia and industry for exchanging ideas, latest achievements and for establishing new collaborations in the field of concrete technology and knowledge to control early age cracking and cement hydration effects, and thus improve structures serviceability and durability.



CALL FOR ABSTRACTS

The conference welcomes both experimental and numerical studies relevant to the whole life time of cement-based materials and alternative materials for sustainable concrete (alternative binders, alkali activated materials, recycled materials, biosourced materials, alternative supplementary cementitious materials) in the wide field of monitoring of early age chemical and mechanical properties, modeling of the microstructure development, cracking mechanisms. The topics include but are not limited to the following list of topics.

WG 1 -Testing of CBM

- **Fresh properties and setting**
- **Non-destructive monitoring of hydration and cracking**
- **Chemical and microstructural characterization**
- **Transport properties and boundary effects**
- **Mechanical properties and creep**
- **Volume stability (autogenous shrinkage, drying shrinkage, restrained shrinkage)**
- **Fracture properties and cracking**
- **Advanced experimental techniques**
- **Experiences gained so far in the extended Round Robin Testing programme (RRT+)**

WG 2 -Modeling of CBM and behavior of structures

- **Microstructural modelling**
- **Multiscale modelling**
- **Macroscopic modelling**
- **Probabilistic modelling**
- **Durability and Transport modelling**
- **Benchmarking calculations**
- **Experience gained so far in the benchmarking activities**

WG 3 -Development of products and recommendations

- **Qualification and development of devices for testing and monitoring concrete at early age**
- **Development and qualification of software and design methodologies for concrete at early age**
- **Development and revision of recommendations and standard to prevent/control early age cracking and related durability issues**

COMMITTEES

Chair

- Stéphanie Staquet (ULB, Belgium)
- Dimitrios AGGELIS (VUB, Belgium)

International organizing committee

- Miguel AZENHA (UMinho, Portugal)
- Farid BENBOUDJEMA (ENS Cachan, France)
- Violeta BOKAN-BOSILJKOV (University of Ljubljana, Slovenia)
- Laurie BUFFO-LACARRIERE (LMT Toulouse, France)
- Terje KANDSTAD (NTNU Trondheim, Norway)
- Agnieszka KNOPPIK (Silesian University of Technology, Poland)
- Konstantin KOVLER (Israel Institute of Technology, Israel)
- Sreejith NANUKUTTAN (Queen's University Belfast, UK)
- Emmanuel ROZIERE (ECNantes, France)
- Dirk SCHLICKE (TUGraz, Austria)
- Marijana SERDAR (University of Zagreb, Croatia)
- Mateusz WYRZYKOWSKI (EMPA, Switzerland)

Local organizing committee

- Bertrand BLONDEAU (ULB, Belgium)
- Jérôme CARETTE (ULB, Belgium)
- Marie-Paule DELPLANCKE-OGLETREE (ULB, Belgium)
- Brice DELSAUTE (ULB, Belgium)
- Geert DE SCHUTTER (UGent, Belgium)
- Markus KÖNIGSBERGER (ULB, Belgium)
- Pieter MINNEBO (VUB, Belgium)
- Isabelle TOUSSAINT (ULB, Belgium)
- Eleni TSANGOURI (VUB, Belgium)
- Danny VAN HEMELRIJCK (VUB, Belgium)

Scientific Committee

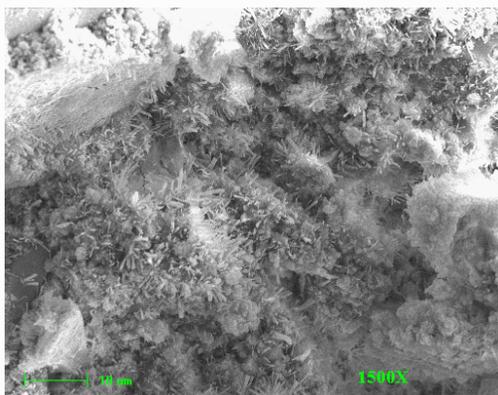
- Miguel AZENHA (UMinho, Portugal) (Chair)
- Farid BENBOUDJEMA (ENS Cachan, France)
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EAC⁰₂

12th - 14th of September 2017
Brussel - Bruxelles - Brussels



The 2nd International RILEM/COST Conference on Early Age Cracking and Serviceability in Cement-Based Materials and Structures



www.eac2.be – info@eac.be



Venue – Solvay Brussels School of Economics and
Management - Building R42

Université Libre de Bruxelles ULB

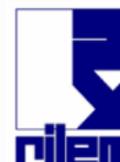
Avenue Franklin D. Roosevelt 42
B-1050 Brussels

REGISTRATION FEES

Participants Categories	Early Bird <31/05/2017	Final <22/07/2017
Regular	€500,-	€550,-
Rilem	€450,-	€500,-
TU 404 COST*	Fully subsidized €300,- option 1	Fully subsidized €350,- option 1
Phd Student**	€250,- option 1	€300,- option 1

*upgrade to regular participant additional option 1: €300 (early bird) - €350

** proof of Phd student enrollment should be provided



Scientific Committee (Continued)

- Konstantin KOVLER (Israel Institute of Technology, Israel)
- David LANGE (University of Illinois, Urbana-Champaign, USA)
- Pietro LURA (EMPA, ETH Zurich, Switzerland)
- Sreejith NANUKUTTAN (Queen's University Belfast, UK)
- Masayasu Ohtsu (Kyoto University, Japan)
- John Popovics (University of Illinois, Urbana-Champaign, USA)
- Emmanuel ROZIERE (ECNantes, France)
- Dirk SCHLICKER (TUGraz, Austria)
- Marijana SERDAR (University of Zagreb, Croatia)
- Eleni TSANGOURI (VUB, Belgium)
- Svetlana VERBRUGGEN (VUB, Belgium)
- Mateusz WYRZYKOWSKI (EMPA, Switzerland)

INVITED PLENARY SPEAKERS

- Miguel AZENHA (University of Minho, Portugal)
- Hans BEUSHAUSEN (University of Cape Town, South Africa)
- Özlem CIZER (KULeuven, Belgium)
- Geert DE SCHUTTER (UGent, Belgium)
- Christian HELLMICH (TUWien, Vienna, Austria)
- Tetsuya ISHIDA (University of Tokyo, Japan)
- Agnieszka KNOPPIK (Silesian University Technology, Poland)
- David LANGE (University of Illinois, Urbana-Champaign, USA)
- Pietro LURA (EMPA, ETH Zurich, Switzerland)
- John POPOVICS (University Illinois, Urbana-Champaign, USA)
- Marijana SERDAR (CEA, France)

IMPORTANT DATES

- 21/04/2017:** Abstract submission deadline
- 24/04/2017:** Notification of acceptance of abstract and opening of the registrations
- 31/05/2017:** Submission of full paper and early bird registration deadline
- 07/07/2017:** Review notification
- 22/07/2017:** Final registration deadline
- 21/08/2017:** Submission of revised full paper.