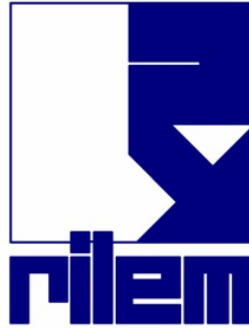


## Scientific committee

Alexander ASSMANN, Germany  
António BETTENCOURT RIBEIRO, Portugal  
William Peter BOSHOFF, South Africa  
Wolfgang BRAMESHUBER, Germany  
Daniel CUSSON, Canada  
Nele DE BELIE, Belgium  
Luis Pedro ESTEVES, Portugal  
Vyatcheslav R. FALIKMAN, Russia  
Michael FORDE, United Kingdom  
Stefan FRIEDRICH, Germany  
Kazuo ICHIMIYA, Japan  
Shin-Ichi IGARASHI, Japan  
Ole Mejlhede JENSEN, Denmark  
Agnieszka J. KLEMM, Great Britain  
Konstantin KOVLER, Israel  
Pietro LURA, Switzerland  
Viktor MECHTCHERINE, Germany (Chair)  
Sven MÖNNIG, Germany  
Johann PLANK, Germany  
Klaus-Alexander RIEDER, USA  
Christof SCHRÖFL, Germany  
Karen SCRIVENER, Switzerland  
Konstantin SOBOLEV, USA  
Norbert SCHRÖTER, Germany  
Dietmar STEPHAN, Germany  
Romildo D. TOLEDO FILHO, Brazil  
Klaas VAN BREUGEL, The Netherlands  
Jason WEISS, USA  
Mateusz WYRZYKOWSKI, Switzerland  
Udo WIENS, Germany  
Guang YE, The Netherlands  
Semion ZHUTOVSKY, Israel



## Local organizing committee

Viktor MECHTCHERINE  
Christof SCHRÖFL  
Michaela GORGES  
Martina AWASSI  
Steffen MÜLLER

## Participants

Participants may have a background as researchers, PhD students or industry specialists.  
Language of the conference will be English.

## Further information

Further information can be accessed through the event calendar at: <http://www.rilem.net>  
Or you may contact our local conference secretary:

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International Conference

# APPLICATION OF SUPERABSORBENT POLYMERS AND OTHER NEW ADMIXTURES IN CONCRETE CONSTRUCTION

Dresden

14-17 September 2014

## Conference contents

New admixtures for concrete construction emerge and well-known additives are used for new purposes. Superabsorbent polymers, SAP, are a remarkable example of a new additive. SAP enable a distinct control of water and porosity formation. They can be used for several different purposes, such as mitigation of self-desiccation, rheology modification and frost protection of concrete. Other examples of new admixtures covered by the conference theme include:

- Internal curing agents,
- Shrinkage reducers,
- Stabilizers,
- Agents to control the pore system.

Contributions to the conference should deal with insights from experimental studies, theory or modeling where such new, functional additives are used in cement-based construction materials. Contributions may be within – but are not limited to – the following topics:

- Rheology,
- Shrinkage and shrinkage-induced cracking,
- Mechanical properties,
- Durability,
- Chemical and further approaches to characterize the working mechanisms and improve their performance.

Aim of the conference is to exchange ideas and experience in an open forum. Time slots for discussion of the themes and social events are planned to promote an active workshop atmosphere.

## Publication, important dates, costs

All papers to be published in the proceedings will be peer-reviewed. The proceedings will be indexed by the major scientific databases.

Abstracts should be submitted in electronic form directly to the conference secretary – see information below. Details about the format of full manuscripts will be distributed to the authors of accepted abstracts.

Submission of abstract  
(300 characters, English): 31 December 2013

Acceptance of abstract: 31 January 2014

Full manuscript due: 1 March 2014

Acceptance of manuscript: 31 March 2014

Final manuscript due: 1 May 2014

Delegates: EUR 450 before 1 July 2014  
EUR 550 after 1 July 2014

PhD students: EUR 250 before 1 July 2014  
EUR 350 after 1 July 2014

The conference fee includes conference proceedings, refreshments during coffee breaks, lunches, dinner and social activities.

Accompanying persons: EUR 130, only participation in the social events

## Venue

Dresden, host city of the conference and capital of Saxony, is a special place in many ways: it welcomes its visitors with a unique arrangement of the river Elbe and the downtown development – a decision made by the Saxon monarch Frederic Augustus II in the 17th century. You can still experience traditional Dresden dating back to the Baroque era with famous sights such as the Zwinger, Semperoper, Kathedrale, the entirely re-built Frauenkirche and many famous art collections (e.g. Grünes Gewölbe).



But Dresden doesn't stand just for tradition in culture and construction – also technical solutions many of us use daily were invented here, e.g. the coffee filter or the reflex camera.

Technische Universität Dresden, the venue of the conference, is one of eleven German Universities of Excellence since June 2012. Its roots date back to 1828. Nowadays, it hosts about 35,000 students, offers scientific education in 14 different faculties and serves the industry with a huge annual budget.