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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.org
Or you may contact our local conference secretary:

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TECHNISCHE UNIVERSITÄT DRESDEN

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International Conference

STRAIN-HARDENING CEMENT-BASED COMPOSITES

SHCC 4

Dresden

18-20 September 2017

Conference contents

SHCC4 Conference is the follow-up of three previous successful international events in Stellenbosch (South Africa, 2005), Rio de Janeiro (Brazil, 2011) and Dordrecht (The Netherlands, 2014), all of them focusing on strain-hardening cement-based composites and other types of advanced fibre-reinforced concrete materials such as textile reinforced concrete (TRC) and high-performance fibre-reinforced cement-based composites (HPFRCC). All these new materials exhibit pseudo-ductile behavior resulting from the formation of multiple, fine cracks when subject to tensile loading. The use of such types of fibre-reinforced concrete could revolutionise the planning, development, dimensioning, structural and architectural design, construction of new and strengthening and repair of existing buildings and structures in many areas of application.

Contributions to the conference are expected to cover the latest findings and research works related on SHCC, TRC and HPFRCC. They may be within – but are not limited to – the following topics:

- Material design and manufacturing;
- Mechanical properties and test methods;
- Structural design and performance.
- Durability design and performance;
- Computational methods;
- Use for strengthening and repair;
- Practical applications.

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 conference proceedings will be peer-reviewed. Abstracts should be submitted in electronic form directly to the conference secretary. Details about the format of full manuscripts will be distributed to the authors of accepted abstracts.

Abstract due:	30 November 2016
Acceptance of abstract:	31 January 2017
Full manuscript due:	15 March 2017
Acceptance of manuscript:	15 April 2014
Final manuscript due:	1 May 2014

Submission to: SHCC4-2017@tu-dresden.de

Delegates:	EUR 600	before 1 July 2017
	EUR 650	after 1 July 2017
Students:	EUR 350	before 1 July 2017
	EUR 400	after 1 July 2017

Accompanying people, only participation in the social events: EUR 130 (any date).

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

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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 37,000 students, offers scientific education in 14 different faculties and serves the industry with a huge annual budget.