

**Department of Civil Engineering
Technical University of Denmark
Brovej, Building 118
DK-2800 Kgs. Lyngby
Denmark**



RILEM and DTU

The Department of Civil Engineering at DTU is hosting this International RILEM Conference on Use of Superabsorbent Polymers and other new additives in concrete.

RILEM is an international union of experts in construction materials, systems, and structures with the aim to promote scientific cooperation. RILEM is scientific sponsor of the conference through the technical committee TC 225-SAP: Application of superabsorbent polymers in concrete construction. More information about RILEM and the technical committee work can be found at:

RILEM Secretariat General
157, rue des Blains
F-92220 Bagneux
France
sg@rilem.net
www.rilem.net

Financial support by the Knud Højgaard Foundation

The Knud Højgaard Foundation was established in 1944 by a donation from the founder of the Danish contractor MT Højgaard A/S. With the aim of promoting research and teaching in concrete technology the Knud Højgaard Foundation has since 1999 financially sponsored a series of doctoral courses and conferences within "Advanced Cement-Based Materials" hosted by DTU.

International RILEM Conference



Use of superabsorbent polymers and other new additives in concrete

Lyngby, 15-18 August 2010

Call for papers

International organization committee

O.M. Jensen, V. Mechtcherine, H.-W. Reinhardt

Local organization committee

O.M. Jensen, S. Laustsen, M.T. Hasholt

Scientific committee

Members of RILEM TC SAP,
R.D. Hooton, L.-O. Nilsson, G.W. Scherer,
W.J. Weiss

Sponsored by

RILEM TC 225-SAP
Knud Højgaard Foundation, Denmark

**Department of Civil Engineering
Technical University of Denmark**



Conference contents

New additives for concrete construction emerge and well-known additives are used for new purposes.

Superabsorbent polymers, SAP, is a remarkable example of a new additive. SAP enables a significant control of water and porosity formation and can be used for several different purposes, such as mitigation of self-desiccation, rheology modification, and frost protection of concrete. Other examples of new additives covered by the conference theme include:

- **Internal curing agents**
- **Shrinkage reducing agents**
- **Stabilizers**
- **Agents for pore system control**

Contributions to the conference should deal with theory, modeling, or results from experimental investigations, where such new additives are used in concrete. Contributions may be within – but are not limited to – the following topics:

- **Shrinkage and cracking**
- **Rheology of fresh concrete**
- **Mechanical properties**
- **Durability**
- **Optimization of type and usage**

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

Publication – important dates

Reviewed proceedings will be published. Please observe the following deadlines:

Submission of abstract: 1 February 2010

(Acceptance of abstract: 28 February 2010)

Full manuscript due: 1 May 2010

(Acceptance of full manuscript: 1 June 2010)

Final manuscript due: 1 July 2010

Abstracts should be submitted in electronic form directly to the conference secretary – see information below.

Time and venue

The conference will take place from Sunday 15 to Wednesday 18 August 2010 and will be held at DTU succeeding the DTU-RILEM Doctoral Course 9-13 August 2010.

Participants

Participants may have a background as university researchers, PhD students, or industry specialists. The conference language is English.

Social activities

The social activities include a summer evening barbecue, guided Copenhagen city walk, and a visit to the Danish Hands-on-Science exhibition "Experimentarium". The conference dinner will be held in down-town Copenhagen.

Registration and accommodation

Participants should register before 15 June 2010.

Special offer arrangements are made with hotels in the vicinity of DTU.

Costs

The conference fee includes conference proceedings, refreshments, lunches, and social activities.

- Delegates: EUR 400
- PhD students: EUR 200.
- Accompanying persons: EUR 130*

* only participation in social activities

Further information

Further information can be accessed through the event calendar at:

<http://www.rilem.net>

- or you may contact the conference secretary:

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