



It is a pleasure to invite you to the Conference on Durable Concrete for Infrastructure under Severe Conditions in the framework of the LORCENIS project from **10th to 11th of September 2019**, in Ghent, Belgium. The LORCENIS project deals with the development of **long lasting reinforced concrete** involving customized protection, repair and self-diagnosis methodologies for cost-efficient operation and service life extension.

Looking forward to welcome you in Ghent.

Prof. Nele De Belie
Prof. Kim Van Tittelboom
Prof. Sandra Van Vlierberghe

Co-chairs

Registration

Registration will be possible via the website www.lorcenis-eu.com

Venue

Het Pand, Onderbergen 1, 9000 Ghent - Belgium

Conference organization

Partners of LORCENIS project

Local organizing committee

N. De Belie, K. Van Tittelboom, S. Van Vlierberghe, L. De Meyst, M. Araújo, M. Reunes, J. Mortier, C. Malfait

Questions regarding the conference can be e-mailed to lorcenis2019@ugent.be

Durable Concrete for Infrastructure under Severe Conditions

Smart Admixtures,
Self-responsiveness and Nano-additions

**Abstract submission
Deadline
extended**

BELGIUM, Ghent
10-11 September 2019



Conference Topics

Smart concrete admixtures, internal curing, self-sealing, self-healing, carbon based fillers, nanofibers, nanotubes, layered double hydroxides, nano- and microcapsules, self-healing polymers for concrete

Effects of smart admixtures on fresh and hardened concrete properties

Modelling and service life prediction of concrete in extreme conditions

Durability of infrastructure in the energy sector

Durability and sustainability of tailor-made concrete in extreme conditions

- Extreme thermal gradients
- Ice impact
- Corrosion
- Freeze-thaw
- Deep-sea
- Mechanical fatigue
- Acid attack

The LORCENIS partners



Scientific committee

Nele De Belie (UGent, BE)
Sandra Van Vlierberghe (UGent, BE)
Kim Van Tittelboom (UGent, BE)
Maria Adelaide Araújo (UGent, BE)
Els Mannekens (ChemStream, BE)
Geert Deroover (ChemStream, BE)
Christian Simon (Sintef, NO)
Monika Pilz (Sintef, NO)
Philippe Maincon (Sintef, NO)
Harald Justnes (Sintef, NO)
Tor Arne Hammer (Sintef, NO)
Ole Swang (Sintef, NO)
Costas Charitidis (NTUA, GR)
Ioannis Kartsonakis (NTUA, GR)
Danalia Karaxi (NTUA, GR)
Daniel Höche (HZG, DE)
Mário Ferreira (UAVR, PT)
Alexandre Bastos (UAVR, PT)
João Tedim (UAVR, PT)
Raul Pina-Zapardiel (Acciona, ES)
Valle Choza-Ligero (Acciona, ES)
Jose Vera-Agullo (Acciona, ES)
Urs Müller (CBI, SE)
Nadia Al-Ayish (CBI, SE)
Maria Cruz Alonso (CSIC, ES)
Javier Puentes (CSIC, ES)
Juan Antonio Alduncin (IK4-Cidetec, ES)
Kjell Tore Fosså (Kvaerner, NO)
Frederico Maia (SMT, PT)
Emmanuel Gallucci (Sika, CH)
Arnd Eberhardt (Sika, CH)
Sara Irico (Dyckerhoff, DE)
Dirk Qvaeschning (Dyckerhoff, DE)
Peter Lundqvist (Vattenfall, SE)

Call for abstracts

Authors willing to present a paper at the conference are kindly invited to submit a **300 word abstract** (check the website for details) in accordance with the themes and topics before **January 31, 2019** through e-mail to lorcenis2019@ugent.be. Authors of accepted abstracts are encouraged to submit a 2/4-page paper according to the format to be announced on the website.

Authors will be invited to submit full papers to the open access journal "Materials" (IF2017:2.467) for a special issue on "Self-healing and smart construction materials". For selected high-quality papers the open access publication fee will be waived.

Important dates

31 January 2019
28 February 2019
15 May 2019
15 May 2019
10-11 September 2019

Extended abstract deadline
Abstract acceptance notification
2/4-page paper submission
Early bird registration
Conference