



CIC 2014

Concrete Innovation Conference

www.cic2014.com



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Concrete Innovation Conference CIC 2014 Oslo 11th – 13th of June 2014

Organized by:



affiliated to Tekna

www.betong.net

www.tekna.no

In corporation with:



www.sintef.no

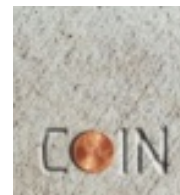
Supporting organization:



www.fib-international.org



www.rilem.net



www.coinweb.no



Welcome

to "Concrete Innovation Conference" (CIC 2014) in Oslo. The gathering for all professionals dedicated to concrete, innovation and future building.

CIC 2014 (www.cic2014.com) is going to be the hotspot for professionals working with the future of the concrete industry.

We invite individuals and teams to present their work on concrete innovations, and to take part of the Concrete Innovation Contest linked to the conference.

Basic knowledge of challenges for building industry is obviously useful to bring the concrete industry forward.

The future needs expressed by the industry and the society, such as energy saving, reduced CO₂-emission and resources use, efficient construction and higher performance to lower cost, are innovation drivers. The conference themes will be based on this.

To underline the importance of innovation, a contest will be organized to highlight the best innovation. Innovation is more, however, than knowledge about specific subjects. Innovation is a way of thinking, a way of collaborating, and a way of putting knowledge and competence in new contexts to arrive at new products and new services, to the benefit of the industry and the society. This has been exercised in the unique program Concrete Innovation Centre, "COIN" <http://www.coinweb.no/> Within COIN the concrete industry, research institutes and the Norwegian government have focused their efforts on achieving innovation through joint research.

And now, the next step is to clearly demonstrate the results for everyone, to inform, inspire and achieve further development. At the same time we take the opportunity to invite also others from the concrete industry, who believes in innovation, to bring forward their experiences. In total we wish to establish a dynamic conference for exchange of ideas and results among academics and users, to be a meeting point for materials technologists, structural engineers, architects and any other working with concrete, as well as contribute to a prosperous future optimizing the use of the world's most important building and construction material.

Welcome to Oslo 11th - 13th of June 2014!

Tor Arne Martius-Hammer
Chair of the Organising Committee

Harald Justnes
Chair of the Scientific Committee



Conference Topics:

In line with the social and industrial demands addressed in the introduction the themes for the conference are innovation in the following areas with some key words, but not limited to:

- 1. Environmentally friendly concrete structures**
Binders and concrete with low CO₂-emission and low embedded energy
Utilisation of and improvement of the thermal properties of concrete
Use of concrete in low energy building concepts
- 2. Efficient construction**
Construction techniques, including casting and formwork
Reinforcement concepts
Materials concepts
Aesthetics
- 3. Structural design and structural performance**
Efficient and conceptual design
Reduced use of resources
Utilisation of high performance concretes
Performance based specification
- 4. Prolongation of service life**
Reliable service life design
Deterioration preventing measures

Innovation Competition Guide:

Objective:

The Innovation Competition challenges the participants to present novel, but not limited to, innovative solutions that demonstrate how the concrete industry contributes to meet the future challenges of the society. The best solutions will be displayed for international media to attract interest for the potentials in concrete innovations

Participants:

The competition is open for individuals or teams, representing one or more links in the value chain as well as actors in the building and construction industry.

Schedule and Deliverables: The competition has four phases:

- 1. Abstracts, by 1st of June 2013**
- 2. Papers, by 15th of November 2013**
- 3. Presentation at the conference**
- 4. Award presentation at the conference dinner**

Innovation themes:

Each of the following themes will be awarded:

- Environmentally friendly concrete materials or structures
- Competitive construction
- Structural design and structural performance
- Prolongation of service life

The Innovation Competition Committee may give a special prize also outside these four themes.



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Papers:

Papers shall be marked "Innovation Contest", and sent to the National Scientific Committee for general review. The proposals marked as participants in the competition will be forwarded to the Research Committee of the Nordic Concrete Federation for their evaluation and nomination for the final contest.

Final Contest with Presentation and Evaluation:

The final oral presentations take place in a special plenary competition session at the conference, followed by a evaluation of the committee. The winner(s) will be announced during the conference dinner.

Papers not nominated will be forwarded to the National Scientific Committee of CIC2014 for evaluation together with the other papers submitted for the conference.

Nominees for the awards will be identified in the conference papers.

Deadlines for abstracts and papers for presentation at CIC2014

Abstracts: Maximum one A4 page should address the following questions:

- 1) what is the new technology/process/product?
- 2) what is the innovation and its relation to the areas addressed?
- 3) what challenge does it solve?
- 4) who needs it?
- 5) how big is the potential market?

Abstracts - Maximum one A4-page:

1st of June 2013.

- Answer by 31st of August 2013

Draft paper (electronic):

15th of November 2013

- Answer by 15th of February 2014

Paper: 31st of March 2014. Note that the author doing the presentation have to do the final payment by 15th of March 2014. Otherwise the paper will not be included in the Proceedings.

Language:

Written contributions and oral presentations will be accepted in English, only. No simultaneous translation will be provided.

If you have any questions about the paper/presentation, please contact:

cic2014@tekna.no

Tentative program 10th – 13th of June 2014

Tuesday 10 th of June	Wednesday 11 th of June	Thursday 12 th of June	Friday 13 th of June
	Technical program	Technical program	Technical program
	Lunch	Lunch	Lunch
	Technical program	Technical program	Conference closure
Registration	Concrete Innovation cafe	Banquet dinner	



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Conference Registration opens at: 31st of August 2013!

About Norway:

Norway is the longest country in NW Europe, stretching almost 1 750km (=1 100mi) in a straight line from Lindesnes in the south to the North Cape in the north. A one way trip from Lindesnes to Nordkapp covers well over 2 600km. Width W-E ranges from 432km to just over 6km at Hellemofjord. The country shares 2 562km of international borders with Sweden, Finland and Russia.

The Norwegian mainland has an enveloping coastline that runs for 2 532km. However, if fjords and bays are included, the total coastline is an amazing 25 148km, with an additional 58 133km if counting islands and skerries as well (overall length: 83 281km, or 51 749mi). The longest fjord is the Sognefjord at 204km length, and the Geirangerfjord has been recognized as a UNESCO World Heritage site. Additional information on Norwegian geography and nature can be found at <http://www.visitnorway.com/>

The local currency is the Norwegian Kroner (monetary acronym NOK), at current exchange rates approximates 8:1 to the Euro (EUR) and 6:1 to the US dollar (USD). Check for instance <http://www.oanda.com/> for current rates.

About Oslo:

Oslo is known for being a city of contrasts and multitude. Its natural beauty, in combination with all the facilities of a modern metropolis, adds to the charm of a city often called "the world's biggest village". Its beautiful natural surroundings, varied architecture, and multinational inhabitants contribute to the city's unique atmosphere. More modern districts include the bustling Aker Brygge area, a rehabilitated old shipyard, with its many shops, restaurants and cafés.

And the development that is taking place at the moment, with focus on design and modern architecture, will make Oslo one of the most exciting and vibrant cities in northern Europe.

Yet, the old-time charm is always right there on our doorstep.

Link: [Visit Oslo, for more information](#)

REGISTRATION AND CANCELTION

Conference Registration opens at: 31st of August 2013!

REGISTRATION FEE:

The conference fee is for:

Personal members of Norwegian Concrete Association: 6000,- NOK + 25% VAT

Non members: 7000,- NOK + 25% VAT

Register before 1st of February 2014 and get 1000,- NOK discount off the full price!

Travel and accommodation is NOT included.

CANCELTION FEE:

If you cancel your participation of the conference between 25th and 27th of May 2014, you will have to pay 1,500; NOK in fee.

If you cancel after 27th of May 2014, then you have to pay a full conference fee.

COMPANY PRESENTATION:

If your company is interested in a poster exhibition at CIC2014, please send an e-mail to cic2014@tekna.no – write Exhibition in the subject field.

Each stand can be 2 meters and is intended to introduce companies, products, etc. in the form of pictures, brochures and roll ups etc., and there will be free wireless network. A poster exhibition requires a full paying member of the firm.

Exhibition space costs NOK 12 000, - + 25% VAT. (No VAT for foreign companies)



PAPER PRESENTATION:

Authors coming to CIC2014 and Oslo to present their paper will get an e-mail from us with all information about when to present the paper and other relevant information about the presentation. The e-mail will be sent you in due time.

The complete time schedule will be available at www.cic2014.com approx 10 days before the Opening of the Conference.

TRAVEL INFORMATION:

Oslo is easily reached by air, sea, railway, bus or by car. There are over 200 international flights a day and 1,300 international flights a week.

By air

Major Airlines have daily non-stop flights from major cities in Europe like Amsterdam (1hr 45mns), Frankfurt (1hr 55mns), London (2hrs 15mns) and Paris (2hrs 15mns). There is a non-stop connection between Oslo and New York and Oslo may be reached from all continents via Copenhagen (55 minutes), with departures every hour.

See this links for more flight information:

<http://www.norwegian.com/en/>

<http://www.sas.no/en/>

<http://www.klm.com>

Committees:

Organizing committee:

Chairman Tor Arne Martius-Hammer, SINTEF Building and Infrastructure Harald Justnes, SINTEF Building and Infrastructure Morten Bjerke, Norwegian Concrete Ass. / Tekna	Jan Eldegard, byggutengrenser.no Eivind Heimdal, Veidekke Entrepreneur AS Terje Kanstad, NTNU Kjersti D Kvalheim, Norwegian Road Administration	Tor Ole Olsen, Dr.techn Olav Olsen Magne M Wiggen, mmw architects
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Administration:

Henny Cathrine Braarud, Norwegian Concrete Ass. / Tekna

Morten Bjerke, Norwegian Concrete Ass. / Tekna

National Scientific Committee:

Chairman Harald Justnes, SINTEF Building and Infrastructure Lars Bjerkeli, Skanska Åse Lyslo Døssland, Multiconsult Per Fidjestøl, Elkem Kjell Tore Fosså, Kværner	Wolfram Franke, Yara Mette Geiker, NTNU Steinar Helland, Skanska Stefan Jacobsen, NTNU Knut Ose Kjellsen, Norcem	Berit Laanke, SINTEF Byggforsk Geir Norden, Saint -Gobain Weber Sindre Sandbakk, Norconsult Rein Terje Thorstensen, UiA
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Innovation contest Committee:

Research Committee of the Nordic Concrete Federation (RCNCF)

International Scientific Committee:

Luis Lima, Argentina	Theodosios P. Tassios, Greece	Augustin Popaescu, Romania
Jim Forbes, Australia	S.G. Joglekar, India	Snezana Marinkovic, Russia
Stephen Foster, Australia	Aliakbar Ramezaniapor, Iran	Milan Chandoga, Slovakia
Konrad Bergmeister, Austria	Olafur Wallevik, Island	Hans Beushausen, South Africa
Nele De Belie, Belgium	Avi Dancygier, Israel	Billy Boshoff, South Africa
Luc Taerwe, Belgium	Carlo Pellegrino, Italy	Hugo Corres Peiretti, Spain
Fernando Stucchi, Brazil	Marco Menegotto, Italy	Miguel Angel Astiz, Spain
Kamal H Khayat, Canada	Marisa Pecce, Italy	Peter Billberg, Sweden
Dabin Feng, China	Edoardo Cosenza, Italy	Johan Silverbrand, Sweden
Christis Chrysostomou, Cyprus	Giuseppe Mancini, Italy	Alper Ilki, Turkey
Milan Kalny, Czech Republic	Marco di Prisco, Italy	Muttoni Aurelio, Switzerland
Mikael Wimpffen Bræstrup, Denmark	Shoji Ikeda, Japan	Jean-François Klein, Switzerland
Mette Glavind, Denmark	Jongsung Sim, Korea	Karen Scrivener, Switzerland
Tapio Aho, Finland	Klaas van Breugel, Netherlands	Stuart Matthews, UK
Juha Valjus, Finland	Erik Schlangen, Netherlands	John Provis, UK
Nicolas Roussel, France	Jason Ingham, New Zealand	James Toscas, USA
Wolfgang Brameshuber, Germany	Michael Krapko, New Zealand	Brett Pielstick, USA
Frank Dehn, Germany	Andrzej Ajdukiewicz, Poland	Thomas D'arcy, USA
Rolf Eligehausen, Germany	João Almeida, Portugal	Jason Weiss, USA
Harald Mueller, Germany	Eduardo Cansado Carvalho, Portugal	