

Invitation and Call for Abstracts

IABSE Conference Copenhagen 2018

Engineering the Past, to meet the needs of
the Future, 25th – 27th June, 2018, Denmark



Organised by:
The Danish Group of IABSE in co-operation
with the Technical University of Denmark.

Introduction

Danish IABSE invite you to Denmark, to share your experience within operation and maintenance of bridges and other civil engineering structures.

Management of bridges and other civil engineering structures involves significant expenditures, and at a time of constrained public resources, it requires difficult decisions to prioritise for operation and maintenance.

Every day engineers, researchers and public and private agencies strive to make decisions, which are efficient with due respect of reliability, availability, safety, health, economy and environmental aspects.

Latest advances in technology and experience from operation and maintenance of bridges and other civil engineering structures should be shared to enable engineers, researchers and public and private agencies to plan ahead.

Objective and scope

The objective of the conference is to provide a forum for owners, operators, designers, researchers, contractors and suppliers to meet, discuss and exchange ideas and experiences within the topics of operation and maintenance of bridges and other civil engineering structures.

Key Note Speakers:

Invited Key Note Speakers will present lectures on key conference topics. Confirmed speakers as of November 2017 are listed below:

- Opening Session – Fernando Branco (President of IABSE)
- Adriano Maglica, National Coordinator, Major bridges, Swedish Transport Administration
- Lars Fuhr Pedersen, Technical Director, Sund & Baelte Holding A/S, Denmark
- Neil A. Cumming, FEC, FACI, P.Eng., Celeritas Consultants Ltd., Canada



Scientific format and program

Fernando Branco (President of IABSE) will be hosting the Opening Session.

The scientific program will include plenary sessions, concurrent technical sessions and poster sessions. Invited keynote speakers will present lectures on significant topics related to operation and maintenance of bridges and other civil engineering structures.

Under the conference title, Engineering the Past to meet the needs of the Future, we invite submissions under the following themes and topics:

Management

- Data-driven asset management systems
- Service life prediction and residual service life
- Life cycle cost studies
- Sustainability and life cycle assessment
- Risk management
- Codes

Inspection and maintenance

- Inspection and maintenance strategies
- Diagnostics and performance indicators
- Structural health monitoring
- Non-destructive testing incl. innovative technologies (robotic and aviation-based techniques)
- Field testing and proof-loading

Safety

- Safety and serviceability
- Assessment and evaluation
- Deterioration modelling and Bayesian updating
- Repair and retrofitting strategies
- Risk and reliability
- Load models incl. extreme loads



Young engineer's program

All participants born in or after 1984 will benefit from a reduction in their registration fee.

Young engineers, who personally present their papers at the conference, will be considered for a best young engineers paper award.

Technical visits

Participants and accompanying persons may register for the following excursions:

Jun. 24, 2018: Bridge boat tour in Copenhagen Harbour (bridge examples shown below)



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Jun. 27, 2018: Two optional technical visits are provided:
Site visit at Fjord Link Frederikssund – A new Fjord Link under construction (see illustration below)



Visit the Great Belt Bridge (see picture below) – which has now been in operation since 1998.

NB. Limited numbers of participants, first come first served.



Registration:

Registration is provided in several categories based on membership status and time of registration. Tentative registration fee is approx. 650 Euro (approx. 4800 DKK).

Full delegate registration package includes:

- Entrance for pass holder to all technical sessions including Key Notes.
- Admittance for pass holders to exhibit hall.
- A copy of the conference proceedings on a USB stick
- Daily coffee breaks and lunch (Monday & Tuesday) for pass holders
- Admittance for pass holder to City Hall Reception
- Admittance to Harbour Boat Tour and Technical Visit (24th / 27th June 2018)
- Access to register for Conference Dinner (at extra costs)

Participants may register via the IABSE website, www.IABSE.org/Copenhagen2018

Registration opens 1st February 2018

Call for papers

Authors are invited to submit a short abstract (max. 300 words) summarising the contents of their paper and the relevance to the themes and topics of the conference.

The deadline for abstract submission is 20th of November 2017.

Abstracts should be submitted online
www.IABSE.org/Copenhagen2018

Information on the acceptance of abstracts will be given according to the following time schedule. The Scientific Committee bases the acceptance of final contributions upon review of the full paper (maximum 4-8 pages). Authors of accepted contributions will be expected to attend the conference.

Publication

All accepted papers will be published in the conference proceedings (usb stick), provided that the primary author is present at the conference.



Bridge inspection on Fodsporet performed for
The Danish Nature Agency

Time schedule

Important dates for the 2018 conference:

Abstract submission deadline	Nov. 20, 2017
Abstract acceptance	Dec. 4, 2017
Paper submission deadline	Feb. 5, 2018
Paper acceptance	Feb. 26, 2018
Final programme	Mar. 5, 2018
Final paper submission deadline	Mar. 19, 2018
Early Bird Registration	Apr. 3, 2018
2-Day conference and 1-day technical tour	Jun 25-27, 2018

Bridge Tour in Copenhagen Harbour	Jun. 24, 2018
Conference & City Hall Reception:	Jun. 25, 2018
Conference & Informal Conference Dinner	Jun. 26, 2018
Technical Site Visits	Jun. 27, 2018

General information

Dates and venue

The 2-day conference will take place at the Technical University of Denmark, Kongens Lyngby, Denmark (approximately 40 minutes from Copenhagen Central Station by public transport and 1 hour from Copenhagen airport also by public transport).

Language

The official language of the conference is English.

Accommodation

Hotel rooms at special conference rates have been pre-booked for the participants in various hotels of different categories in the vicinity of the venue.



Social program

A social program has been organized for all participants and accompanying persons:

Bridge tour in Copenhagen Harbour, Sunday June 24, 2018

Come and join old acquaintances and meet new contacts, on a guided tour around the harbour, while you enjoy the view and stories about old and new bridges of the Copenhagen Harbour, historical locations, and the opportunity to see the Little Mermaid. The tour ends at Nyhavn where a sandwich and beverages will be served.

City Hall Reception, Monday June 25, 2018

The City of Copenhagen and the Mayor of Technical and Environmental Affairs will welcome you at the City Hall Reception. It will be an excellent opportunity to network while enjoying the famous City Hall pancakes.

Informal Conference Dinner, Tuesday June 26, 2018

The Informal Conference Dinner will take place at Jacobsen Brewhouse & Bar at the Old Carlsberg Brewery – Probably the Best Dinner in Town..... This will be a unique evening of Great Beer, friends and networking.

About IABSE

Founded in 1929, IABSE has approximately 3500 members in over 100 countries. IABSE's aim as a technical society is to promote the advancement of structural engineering practice while taking into account technical, economic, environment, aesthetic and social aspects.

IABSE Denmark arrange national meetings as well as international conferences such as the Conference on Operation, Maintenance and Rehabilitation of Large Infrastructure Projects, Bridges and Tunnels in 2006.



Committees

Scientific Committee

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 Claus Madvig Petersen, Rambøll
 Eugen Brühwiler, EPFL, Switzerland
 Hyun-Moo Koh, Seoul National University, Korean
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 Poul Linneberg, COWI
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Organising Committee

Jens Henrik Nielsen, Technical University of Denmark
 Erik Stokund Larsen, Danish Road Directorate
 Niels Christian Skov Nielsen, Danish Road Directorate
 DIS Congress Service Copenhagen A/S

Further information

Further information may be obtained from the IABSE conference secretariat:

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