

# Preliminary Invitation and Call for Abstracts

International IABSE Conference

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



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





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## *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.

# *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**

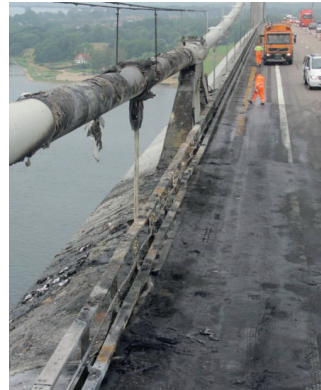
- Data-driven asset management systems
- Service life prediction and residual service life
- Life cycle cost studies
- Sustainability and life cycle assessment
- Risk management
- Codes

## **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.

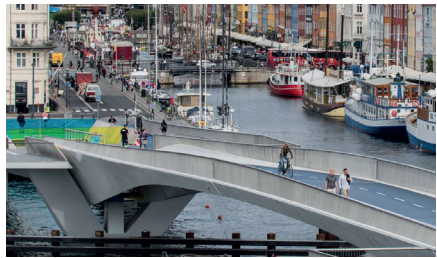
## ***Technical visits***

Participants and accompanying persons may register for the following excursions, dates to be announced:

Bridge tour in Copenhagen Harbour (bridge examples shown below)



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©Wonderful Copenhagen

Site visit at Fjord Link Frederikssund – A new Fjord Link under construction (see illustration below)



# *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 (no extension of deadline).

Abstracts should be submitted online  
[www.IABSE2018.dk](http://www.IABSE2018.dk)

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
2-Day conference and 1-day technical tour (final dates to be announced)	Jun. 24-27, 2018

*Extension of deadlines is not accepted.*



# *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.



## ***Social program***

Accompanying persons are welcome at the Bridge Tour in Copenhagen Harbour, at the Welcome Reception and at the Gala Dinner.

## ***Pre-registration***

Those interested in participating in the Conference are invited to send an e-mail to [iabse2018@discongress.com](mailto:iabse2018@discongress.com) or pre-register on the website [www.iabse2018.dk](http://www.iabse2018.dk). The final invitation for the conference will be available in November 2017.

## ***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.



## ***Further information***

Further information may be obtained from the IABSE conference secretariat:

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## ***Committees***

### **Scientific Committee**

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