Preliminary Invitation and Call for Papers
IABSE Conference Copenhagen 2018
‘Engineering the Past, to Meet the Needs of the Future’
June 25-27, 2018

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.

This conference is organised by the Danish Group of IABSE in co-operation with the Technical University of Denmark. The objective 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.

The scientific programme 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.

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.

Submission of Abstracts
Authors wishing to present a paper are invited to submit a short abstract online (max. 300 words) by **November 20, 2017**, summarising the contents of their paper and the relevance to the Themes and Topics of the conference.

More information and submission of abstracts: [www.iabse.org/Copenhagen2018](http://www.iabse.org/Copenhagen2018)

---

The International Association for Bridge and Structural Engineering (IABSE) The mission of IABSE is to exchange knowledge and to advance the practice of structural engineering worldwide in the service of the profession and society. To fulfil its mission, IABSE organises conferences and publishes a high quality journal, Structural Engineering International (SEI); publishes books reflecting the work of its Technical Groups; creates Task Groups, as required by new needs and technological progress; offers activities within National Groups of IABSE; supports Young Engineers with a programme, and presents annual Awards in recognition of outstanding achievements in structural engineering.

---

IABSE • c/o ETH Zurich • Hoenggerring HIL E 21.3 • CH-8049 Zurich • Switzerland • phone: +41-44-633 2647 • fax: +41-44-633 1241 • secretariat@iabse.org / www.iabse.org
Third parties may freely distribute this text or any part of it in print or electronic form. 
For more information, contact Sissel Niggeler, Marketing and Communications Manager: niggeler@iabse.org