

11 et 12 février 2015 à Helsinki (Finlande)

IABSE Workshop – Safety, Robustness and Condition Assessments of Structures

Purpose of the Workshop

The workshop theme is “Safety, Robustness and Condition Assessment Structures”. Workshop focus on structures that can cause notable safety concerns like buildings, bridges, viaducts, power plants, dams, harbour structures, stadiums, sport halls, public areas, malls and large urban developments, i.e., structures whose failure may cause the most significant consequences in the terms of fatalities, injuries and economic losses; and to whom condition assessment is routinely used. Aside with traditional safety-concept in structural engineering, e.g. loads and resistance, the robustness issues for unforeseen and unexpected actions are addressed.

Most relevant topics for the workshop include:

- Assessment codes and guidelines for existing structures

- Validation of probabilistic design methods
- Newest developments in non-destructive testing and structural monitoring
- Risk handling for hazards and extreme events
- Fire
- Progressive collapse, redundancy and alternate load paths
- Man-made hazards.

The purpose of the workshop is to provide a meeting point and discussion forum to any professional interested in the theme. The theme is the continuation of the IABSE Workshop “Safety, Failures and Robustness of Large Structures” Helsinki 2013; and its targets were formulated at the discussions of the Nordic IABSE Summit Helsinki-Tallinn 2014

13 au 15 mai 2015 à Nara (Japon)

IABSE Conference – Elegance in construction



Nigatsudo of Todaiji Temple

Japan is a country with long history of pioneering and innovation in structural engineering, especially bridges and buildings. It is also a country with long history of natural disaster; earthquake, typhoon and harsh environmental condition. Similar to development in other aspects, important features of innovations in Japanese structural engineering are consideration to the detail and fine finishing. Therefore, designing and delivering the structural engineering innovations always require delicate balance between developing new technology against harsh natural conditions and the demand for fine finishing, which manifests itself in a form of elegant structure – the main theme of this conference.

Within the general theme of Elegance in Structure, the conference covers the following topics:

Aesthetic Design, Elegant Structure, Historical Structures, New Application of Materials to Structure, New Technological Advances on Sustainability, New Structural Form, Innovations of Analysis, Design, and Construction, and Smart Solution to Mitigate Natural Disaster.



18 au 20 mai 2015 à Copenhague (Danemark)

fib Symposium



Opéra de Copenhague

Thèmes :

- Civil works
- Conservation of structures
- Innovation in buildings
- New materials and structures
- Analysis and design
- Modeling of concrete
- Numerical modeling
- Life cycle design
- Safety and reliability

30 août au 2 septembre 2015 à Melbourne (Australie)

69^{ème} Semaine Rilem



Guillaume Habert et Nicolas Roussel

A l'occasion de la 69^{ème} semaine de la RILEM, la médaille Robert L'Hermitte a été remise le 2 septembre 2015 à Melbourne à Guillaume Habert pour son travail sur l'analyse environnementale des matériaux et procédés de construction.

La Médaille Robert L'Hermitte est décernée chaque année à un chercheur de moins de 40 ans pour sa contribution exceptionnelle dans le domaine des matériaux et des structures.

23 et 24 septembre 2015 à Genève (Suisse)

IABSE Conference: Providing Solutions to Global Challenge



For the Geneva 2015 Conference four Global Themes have been selected based on the following criteria:

- Corresponding to major global challenges that our society faces today and in the future
- Being problems where structural engineering can and should make significant contributions
- Allowing Structural Engineering to increase its visibility as a profession and to highlight interfaces with other disciplines

For each global theme an introductory session will be held followed by technical sessions, debates and workshops to study engineering solutions and identify next steps for research, development and implementation in a stimulating and interactive environment. It is envisaged to bring together different stakeholders to initiate knowledge exchange and a lively debate about these critical issues of our society today. The technical/scientific sessions within each Global Theme allow in-depth technical papers to be presented, where the emphasis in the selection process will be technical quality

and on the contributors' ability to put their work into the context of the theme.

Theme 1: Climate Change and the Energy Challenge

Theme 2: Global Engineering Challenges

Theme 3: Breakthrough Technologies

Theme 4: Urbanisation and Growth

Technical Visiit: Mythical Bridges of South-East Switzerland

1. Salginatobel, Schiers

International Historic Civil Engineering Landmark of ACSE, 1991.

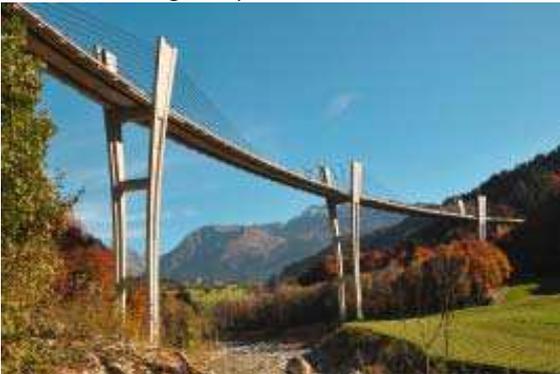
Built 1929 by Robert Maillart



2. Sunniberg, Klosters

IABSE Outstanding Structure Award 2001

Built in 1998 designed by Christian Menn.



3. Tamina, Pfäfers

Largest arch bridge in Switzerland and currently under construction.



4. Traversina

Short walk to the suspension pedestrian bridge overcoming the height difference of 22 m with 176 steps.



5. Landwasserviaduct, Filisur

UNESCO World Heritage Site, 2008.

The 136 m long stone viaduct of the Rhaetian Railway crosses the valley at 65 m height by means of 6 arches.

Built in 1902 and renovated 2009.



6. Valtschiel, Donat

With 43.2 m span Robert Maillart's largest bridge without hinge at the arch center built in 1924. It has been carefully repaired in 2013 and serves as pedestrian bridge, today.



7. Rhinebridge Tamins

100 m concrete arch bridge built in 1962 and designed by Christian Menn.

