



# IABSE

## INTERNATIONAL ASSOCIATION FOR BRIDGE AND STRUCTURAL ENGINEERING

(ASSOCIATION INTERNATIONALE DES PONTS ET  
CHARPENTES)

[WWW.IABSE.ORG](http://WWW.IABSE.ORG)

Assemblée Générale de l'AFGC,  
Conférence du 25 mars 2019



# IABSE IN 1929



En 1929, à ETH Zurich Suisse : 49 ingénieurs de structure provenant de 14 pays fondent IABSE le 7 Octobre 1929.  
Arthur Rohn est élu comme premier Président de IABSE.

# IABSE PRESIDENTS (1929 – 2019)



2016 - 2019: Fernando Branco, Portugal  
 2013 - 2016: D. A. Nethercot, UK  
 2010 - 2013: P. Popovic, USA  
 2007 - 2010: J. Combault, France  
 2004 - 2007: M.A. Hirt, Switzerland  
 2001 - 2004: M. Ito, Japan  
 1997 - 2001: K.H. Ostenfeld, Denmark  
 1993 - 1997: J.M. Hanson, USA  
 1985 - 1993: H. von Gunten, Switzerland  
 1977 - 1985: B. Thürlimann, Switzerland  
 1966 - 1977: M. Cosandey, Switzerland  
 1951 - 1966: F. Stüssi, Switzerland  
 1938 - 1951: C. Andrae, Switzerland  
 1929 - 1938: A. Rohn, Switzerland



Arthur Rohn (1878–1956), reserved and a statesman, one of the five initiators of the Association and the 1st IABSE President



Charles Andrae (1874–1904), tunnel engineer, second IABSE President



Maurice Cosandey (b. 1918), expert in steel construction, fourth IABSE President



Bruno Thürlimann (1923–2008), theoretician and forensic expert, 5th IABSE President



Fritz Stüssi (1901–1982), steel specialist and theoretician, third IABSE President



Max Ritter (1884–1946), second IABSE General Secretary, and the first for concrete, photo courtesy: ETH-Bibliothek Zurich, image archive)



Hans von Gunten (b. 1930), sixth IABSE President



John M. Hanson (b. 1932), seventh IABSE President



Klaus H. Ostenfeld (b. 1943), ninth IABSE President



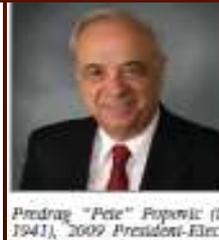
Masahito Ito (b. 2003), expert in cable-stayed bridges, 10th IABSE President



Manfred A. Hirt (b. 1942), tenth IABSE President



Jacques Combault (b. 1943), cable-stayed bridge specialist, eleventh IABSE President



Predrag "Petar" Popovic (b. 1941), 2009 President-Elect, specialist in repair, rehabilitation, and failure assessment, especially of concrete



# MISSION DE L'IABSE:



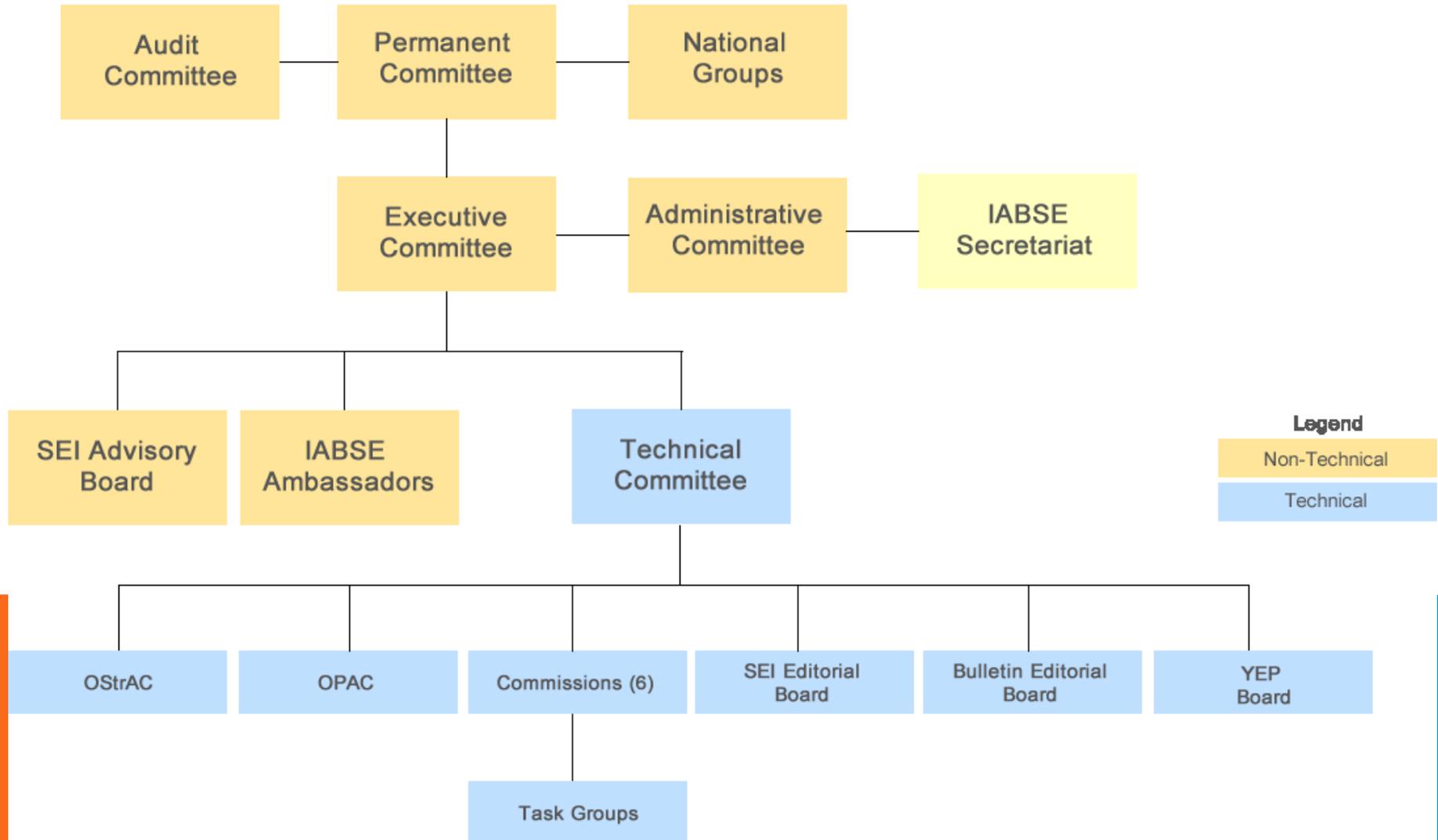
*Echanger des connaissances et développer la pratique de l'Ingénierie des Structures partout dans le Monde.*

Tous les aspects de l'ingénierie structurale.  
Tous les types de structures et de matériaux.  
Tous les aspects du process de construction.



# ORGANISATION

# IABSE Organigram



# LE COMITE EXECUTIF



**T. Vogel**, Switzerland (*VP*)

**C. Uytiepo**, Switzerland (*ExC Director*)

**B. Snijder**, Netherland (*VP*)

**S. Nakamura**, Japan (*VP*)

**L. Sun**, China (*VP*)

**U. Kuhlmann**, Germany (*VP*)

**J. Tortorella**, USA (*VP*)

**F. Branco**, Portugal (*President*)

**D. Zwicky**, Switzerland (*Chair TC*)

**C. Galindo**, Mexico (*VP*)

**H. Subbarao**, India (*VP*)

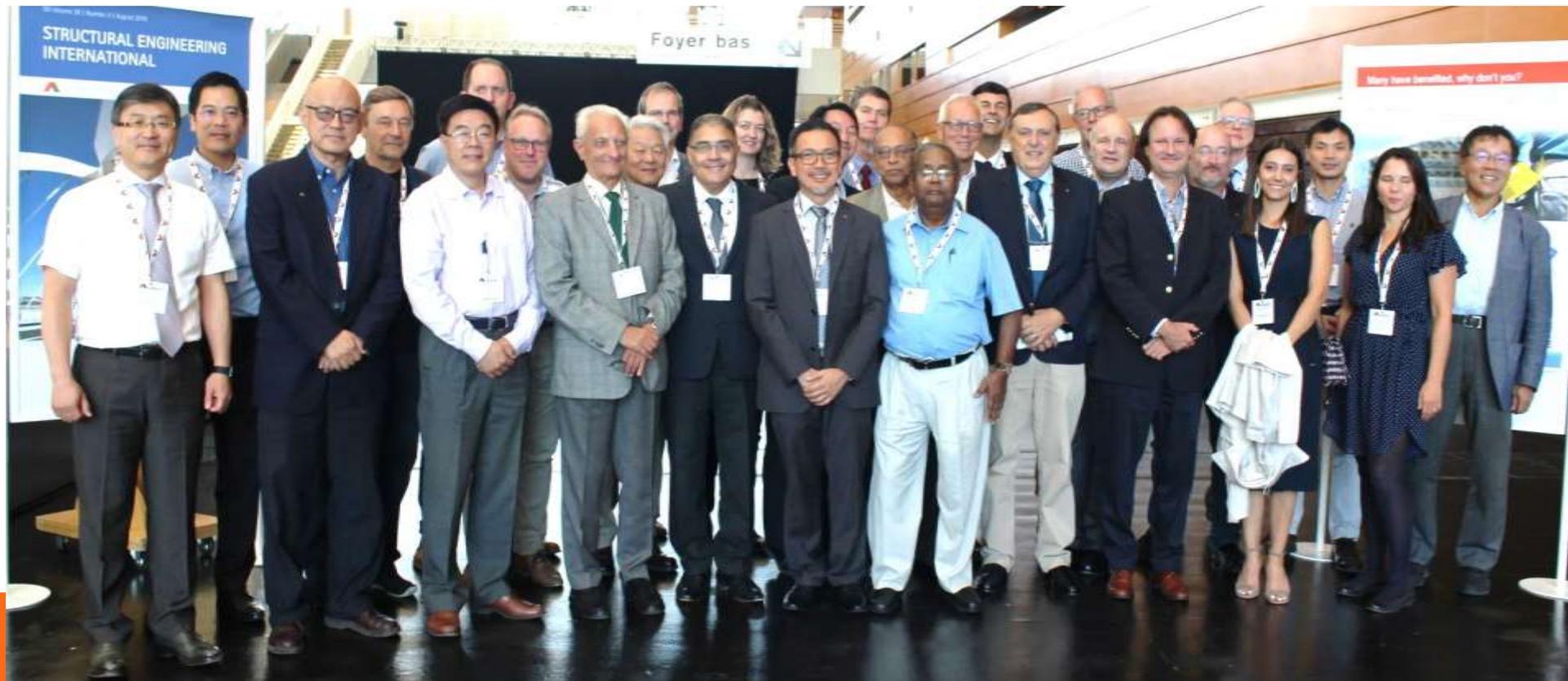
**J. Wium**, South Africa (*AdmC member*)

**H.-M. Koh**, South Korea (*VP*)

**T. Vejrum**, Denmark (*VP*)

**C. Cremona**, France (*VP*)

# LES GROUPES NATIONAUX IABSE



Réunion des Présidents des groupes nationaux  
à Nantes en 2018.

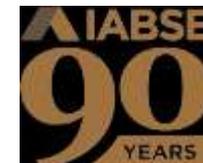
# LA FONDATION IABSE



[www.iabsefoundation.org](http://www.iabsefoundation.org)



# LES ACTIVITES DE IABSE



IABSE  
AIPC  
IVBH



International Association  
for Bridge Engineering



**CONFERENCES**



**PUBLICATIONS**



**PRIX DE L'IABSE**



**GROUPES DE TRAVAIL**



**PROGRAMME JEUNES INGENIEURS**

# CONFERENCES IABSE



# CONFERENCES IABSE EN 2018



Paul Mullins, OC Chair  
IABSE Conference Kuala Lumpur



Tina Vejrum, OC Chair  
IABSE Conference Copenhagen



Bruno Godart, Chair  
IABSE Symposium Nantes



# CONFERENCES IABSE EN 2019




**GUIMARÃES 2019** | 27 - 29 MARCH 2019  
**EARLY BIRD REGISTRATION**  
 Until 1<sup>st</sup> December 2018



**FINAL INVITATION**  
**TOWARDS A RESILIENT BUILT ENVIRONMENT**  
 RISK AND ASSET MANAGEMENT

Organized by     
 In cooperation with  

**6 to 7 June 2019**



**2<sup>nd</sup> Bridge Engineering Workshop Mexico 2019**

It is a privilege for the Mexican Society for Earthquake Engineering and the Mexican Group of IABSE to host this second workshop, which will serve as the basis for planning and initiate the creation of technical committees to address technological innovation in design and construction of bridges.

**Thematic axes:**

- Structural Analysis and experimental work
- Structural design
- Foundations, Abutments, Piers and walls
- Joints, Bearings and Anti-seismic Devices
- Maintenance and rehabilitation
- System Identification and health monitoring studies

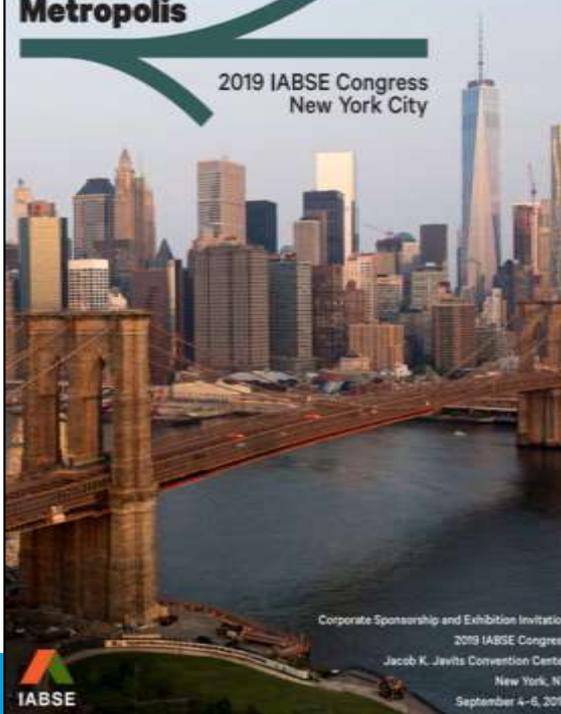
Call for Papers - Important Dates:  
 Abstract Submission deadline: December 17, 2018  
 Abstract Acceptance notifications: January 31, 2019  
 Paper Submission deadline: March 31, 2019

• Puerto Vallarta  
 • Hilton Hotel , Mexico  
[www.iabse.org/mexico2019](http://www.iabse.org/mexico2019)

   [www.iabse.org/mexico2019](http://www.iabse.org/mexico2019)

Contact: Fernando Heredia Zavoni | 52-55-56658377 | [fmisa@amis.org.mx](mailto:fmisa@amis.org.mx)

**The Evolving Metropolis**  
 2019 IABSE Congress  
 New York City



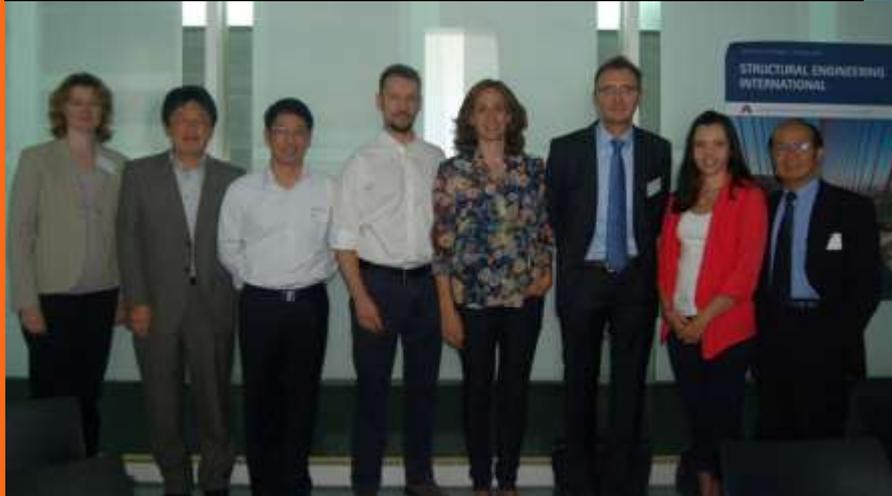
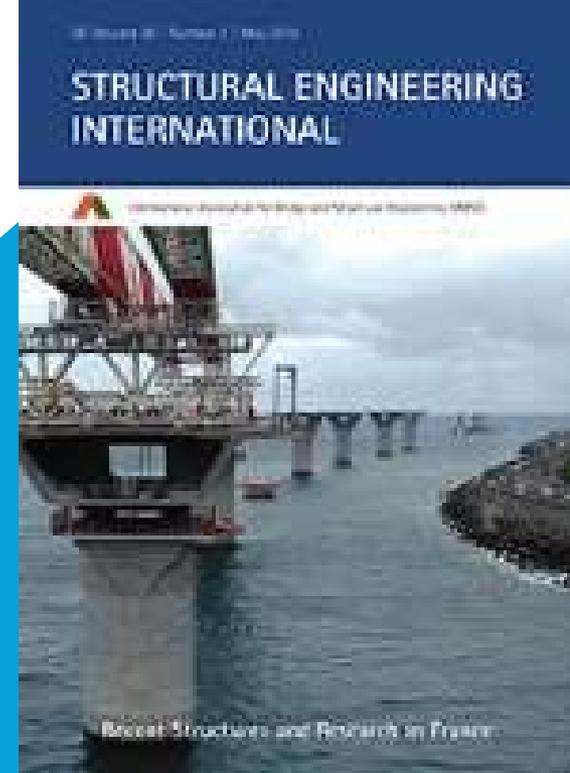
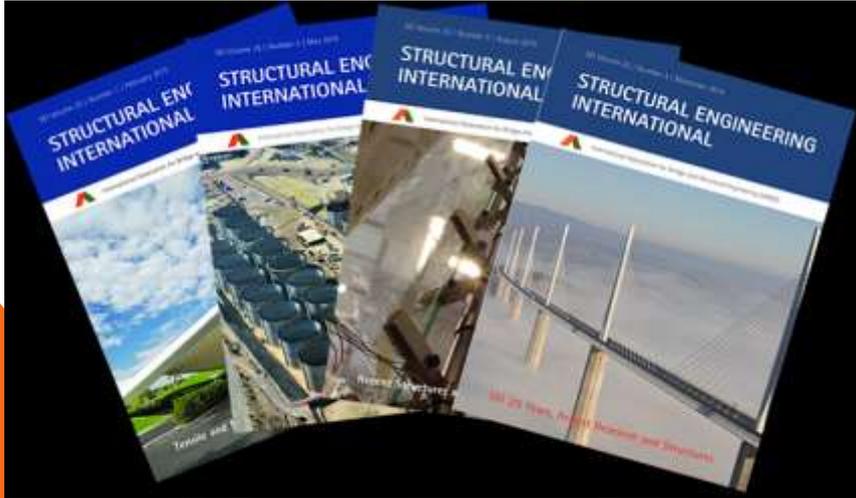
Corporate Sponsorship and Exhibition Invitation  
 2019 IABSE Congress  
 Jacob K. Javits Convention Center  
 New York, NY  
 September 4-6, 2019



# PUBLICATIONS IABSE



# STRUCTURAL ENGINEERING INTERNATIONAL (SEI) JOURNAL



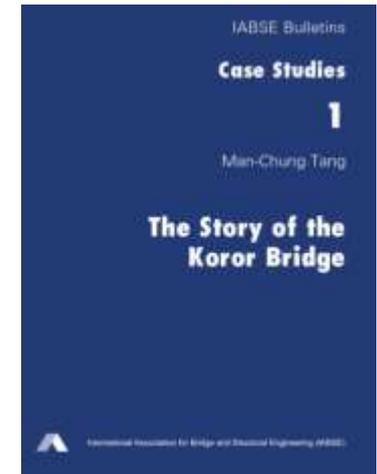
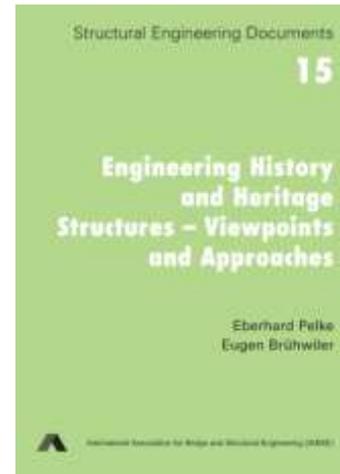
IABSE SEI Editorial Board

- ❖ Quarterly, 29<sup>th</sup> year of publication (1991 - )
- ❖ Published by Taylor & Francis
- ❖ Impact Factor: 0.621
- ❖ Unique blend of technical reports and scientific papers and IABSE News.
- ❖ International Editorial Board and Reviewers.

# BULLETINS IABSE



- ❖ IABSE Bulletins
  - ❖ Structural Eng. Doc.
  - ❖ Case Studies
- ❖ Guidelines



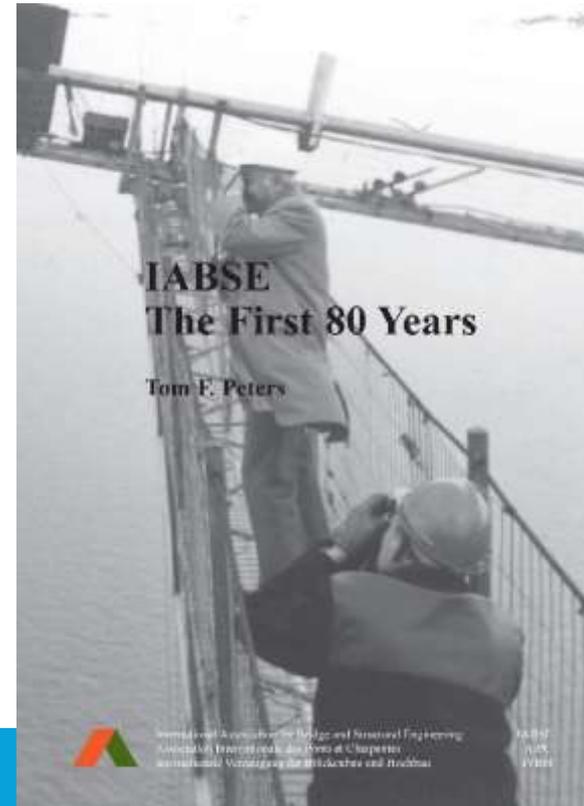
IABSE Bulletin Editorial Board



# AUTRES PUBLICATIONS



Conference Reports



History Book

# PRIX DECERNES PAR IABSE





**HONORARY  
MEMBERSHIP**



**PRIX DE L'IABSE**

**PRIX DU MERITE**

**STRUCTURE EXCEPTIONNELLE**

**MEILLEURS ARTICLES (2)**

# OUTSTANDING STRUCTURE AWARD



2006 : The Millau Viaduct - 2003 Bras de la Plaine - 2002 Stade de France



**2018 WINNER:**  
Yavuz Sultan Selim Bridge, Turkey



**2017 WINNER:**  
Phoenix Center China



**2016 WINNER:**  
Shanghai Tower, China



**2015 WINNER**  
San Francisco-Oakland Bay  
Bridge New East Span  
USA

# OUTSTANDING PAPER AWARD IN SEI



**2017 : Technical Report:** "Construction of a Large Composite Gridshell Structure: A Lightweight Structure Made with Pultruded Glass Fibre Reinforced Polymer Tubes“, Lionel du Peloux; Frédéric Tayeb; Olivier Baverel, and Jean-François Caron, France, SEI 2/2016, (May.) pp. 160-167.

**2017 : Scientific Paper:** "Post-Tensioned Glass Beams for a 9 m Spannglass Bridge“, Michael Engelmann, Bernhard Weller, Germany, SEI 2/2016 (May), pp. 103-113.

**2016 : Technical Report:** "Diagnosis, Assessment and Repair of the Mathilde Bridge Close to Collapse during a Fire“ Bruno F. Godart, Jacques Berthelley and Jean Pierre Lucas, France, SEI 3/2015 (August), pp. 331-338.

**2016 : Scientific Paper:** "Design of Soil-Steel Composite Bridges“ Lars Pettersson, Esra Bayoglu Flener, Hakan Sundquist, Sweden, SEI 2/2015 (May), pp. 159-172.

# GROUPES DE TRAVAIL

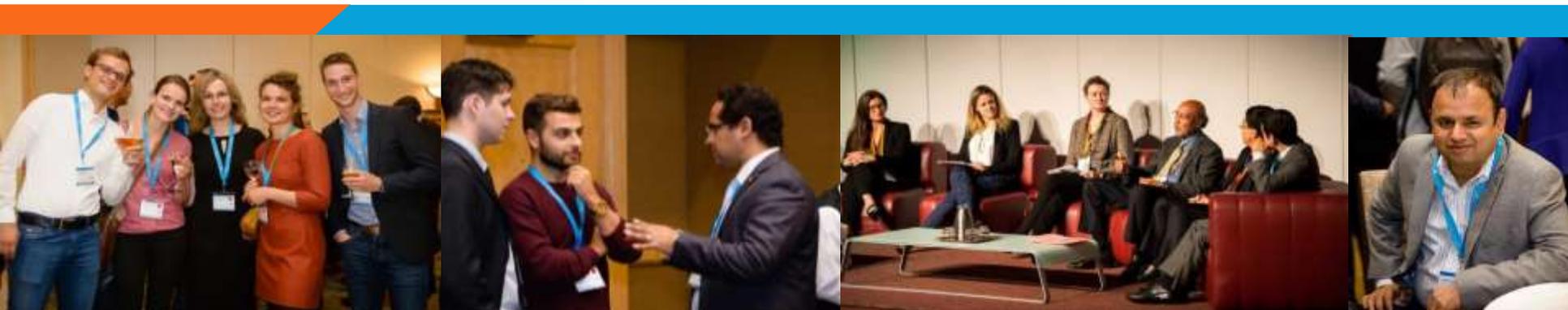
# 6 COMMISSIONS



- 1. Performance and Requirements (6 TG)**
  1. Performance of existing structures, analysis and safety (A. Orcesi)
- 2. Conceptual Design (4 TG)**
- 3. Structural Analysis & Evaluation (5 TG)**
- 4. Construction Methods & Processes (14 TG)**
- 5. Existing Structures (6 TG)**
- 6. Sustainability (4 TG)**
  1. Effects of climate change on infrastructures (A. Orcesi)

# Y E P

## PROGRAMME JEUNES INGENIEURS



# YOUNG ENGINEERS AWARDS 2018



## Best Paper and Presentation Awards



IABSE Symposium in Nantes



IABSE Conference in Copenhagen