



Rędziński Bridge

MESSAGE FROM THE ORGANISERS

On behalf of the International Association for Bridge and Structural Engineering (IABSE) we have great pleasure to invite you to **Wrocław, Poland**, for the IABSE Symposium ***“Synergy of Culture and Civil Engineering – History and Challenges”*** on **May 20-22, 2020**. The IABSE Symposium is organised by the Polish Group of IABSE and Wrocław University of Science and Technology (WUST). The Symposium will take place at the Congress Centre of Wrocław University of Science and Technology.

The main goal of the Symposium is the creation of a forum for the debate on the development of bridge and structural engineering as part of worldwide culture, and on current challenges in this area. The Symposium shall be focusing on significant issues, such as Civil Engineering Structures as Monuments of Culture and Technical Development; Condition Assessment of Contemporary and Historical Structures; Conservation, Upgrading and Management of Contemporary and Historical Structures as well as the Future of Civil Engineering Structures.

We hope that this IABSE Symposium will be an important international meeting of scientists, experts, designers, contractors and all those who are interested in problems of bridges and other civil engineering structures.

Technical visits to interesting projects and to research facilities, guided by local engineers, are planned during the Symposium, and are open for accompanying persons. More detailed information will be available in the Final Invitation and at the Symposium website www.iabse.org/wroclaw2020.



Jan Bień
Chairman of the
Scientific Committee



Jan Biliszczuk
Co-Chairman of the
Organising Committee



Paweł Hawryszków
Co-Chairman of the
Organising Committee

ORGANISED BY



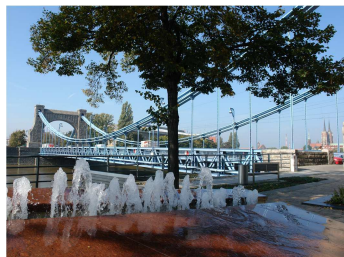
Wrocław University
of Science and Technology
Faculty of Civil Engineering

CALL FOR ABSTRACTS

The IABSE Symposium “*Synergy of Culture and Civil Engineering – History and Challenges*” will be held in **Wrocław, Poland** on **May 20-22, 2020**. The Symposium is intended for civil and structural engineers, architects and associated professionals interested in the proposed themes and topics. Participants wishing to present a paper are invited to submit an abstract in PDF format, not exceeding 300 words, related to the theme and topics of the Symposium by March 31, 2019. Abstracts will only be accepted through our online peer review system using the template available at the online submission platform on the Symposium webpage: www.iabse.org/wroclaw2020. No hard copy, fax or email submissions will be accepted. The Scientific Committee will review all submitted abstracts for acceptance.

IMPORTANT DATES

Abstract Submission:	March 31, 2019
Notification of Abstracts Acceptance:	May 30, 2019
Submission of Full Papers:	August 31, 2019
Notification of Full Papers Acceptance:	November 30, 2019
Publication of Final Invitation:	December 15, 2019
Symposium:	May 20-22, 2020



Grunwaldzki Bridge

SYMPOSIUM PROCEEDINGS

The Symposium proceedings will be available in electronic format (ePDF via link or USB Stick) at the beginning of the Symposium. Note that authors must register to the Symposium at www.iabse.org/wroclaw2020 in order to have their paper presented during the Symposium and published in the proceedings.

OBJECTIVE AND SCOPE

The main idea of the IABSE Symposium is the international exchange of experiences and dissemination of specialist knowledge and information in various fields of structural engineering amongst scientists, experts, designers, contractors and all those interested in challenges regarding bridges and other civil engineering structures. The main attention will be paid to synergy of civil engineering and culture under historical aspects as well as to the challenges ahead of us.

Symposium topics raise a wide range of problems of bridge and structural engineering, including not only technical issues, but also their presence in everyday life and in culture. Covered subjects are going to be related to various structures: from historical ones, through those designed and constructed contemporarily, to the latest and future solutions and concepts.

SYMPOSIUM TOPICS

Civil engineering structures as monuments of culture and technical development: learning from the past; technologies leading to leaps in civil engineering techniques; artistic works in civil engineering; societal impacts on civil works; military structures and civil engineering; cultural and non-engineering values; asset management of historical structures and monuments; dealing with new structures in historic environment.

Condition assessment of contemporary and historical structures: degradation mechanisms and defects; testing and classification of historical materials; structural behaviour of historical construction materials; inspection, testing and monitoring of structures; structural analysis of structures with defects.



Sky Tower



UNESCO Centennial Hall

Conservation, upgrading and management of contemporary and historical structures: structural and functional challenges – extreme loads, fire hazards, climate changes, ecological requests; rehabilitation techniques and materials; performance-based management; artificial intelligence and virtual reality in asset management.

Future of civil engineering structures: exceptional structures; civil engineering in response to demographic growth; sustainability-based structural design; advanced materials and building technologies; current and future cultural and societal impacts on civil engineering works; quality control and risk management.

THE VENUE

The Symposium venue will be the **Wrocław University of Science and Technology Congress Centre** (WUST) located in the university campus – in the north-eastern part of the city (<http://biznes.pwr.edu.pl/en/conference-venue>).



WUST Congress Centre

SYMPOSIUM FORMAT

The scientific program will include **Keynote**, **Plenary** and **Parallel Sessions** over three days. The official language of the Symposium is **English**.

EXHIBITION AND SPONSORSHIP

Companies or organisations interested in sponsoring the event, exhibiting or advertising their products and services are invited to contact the Symposium Secretariat. The exhibition area, located in the foyer of the WUST Congress Centre, will be combined with coffee and lunch break stations, enabling frequent rotation of the delegates.

ABOUT WROCŁAW

Wrocław – the heart of Lower Silesia – is one of the oldest and the most beautiful places in Poland. This metropolis with over 650,000 inhabitants has diversified cultural life and multi-domain academic societies with a student population of over 130,000. Wrocław is also an important economic centre which continuously develops, tightening relations with Europe whilst and successively meeting new challenges coming from the whole world. The city centre is crossed with an extensive network of the Odra River channels and tributaries making Wrocław a city of 12 islands and over 300 bridges.



Wrocław – Market Square

YOUNG ENGINEERS PROGRAM

Delegates born in 1986 or later will enjoy reduced registration fees. In addition, a jury will present the **Young Engineers' Contribution Award** to two young authors, born in or after 1986, who have personally presented their paper during the Symposium. The prize is sponsored by the IABSE Fellows and the Organising Committee. These awards consisting of financial prizes will be presented at the closing of the Symposium.

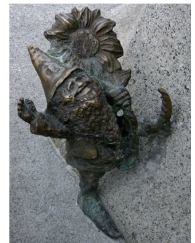
ABOUT IABSE

The **International Association for Bridge and Structural Engineering** (IABSE) is a scientific and technical Association comprising members in 100 countries and counting 53 National Groups worldwide. Founded in 1929 it has its seat in Zurich, Switzerland.

IABSE's aim is to promote the advancement of structural engineering practice while taking into consideration technical, economic, environment, aesthetic and social aspects. IABSE deals with all types of structures, composed of various structural materials. To fulfil its mission IABSE organises conferences and publishes the quarterly journal Structural Engineering International (SEI), conference reports, as well as books reflecting the work of its technical groups. It creates technical groups as required by needs and technological progress, offers activities within National Groups of IABSE, supports Young Engineers with a program and presents annual awards for outstanding achievements in research and practice that advance the profession of structural engineering.

IABSE SECRETARIAT

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Wrocław's Dwarf



WUST - Integrated Students' Centre

CONTACT

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