Preliminary Invitation and Call for Themes

2019 IABSE Congress
September 4–6, 2019
The Javits Center
New York, NY
Introduction

New York City, US, will host the 2019 IABSE Congress with the main theme of The Evolving Metropolis. According to Wikipedia, a Metropolis is “a large city which is a significant economic, political and cultural center for a country of region and an important hub for regional or international connections, commerce and communications”. What better place than the financial hub (and possibly) architectural center of the US and perhaps the world, than Manhattan in New York City.

The Evolving Metropolis will address the social and economic needs of the world with sessions on Durable Bridges and Affordable Housing as well as numerous other important and current issues presented in our world. New York City is a key place on our continent to address the needs of society today with regards to the following:

• Designing bridges to last into the next century
• The future of housing the world’s inhabitants at all income levels
• The latest technologies and construction techniques for creating a society that is sustainable and affordable for all
• Innovations in structural engineering to accommodate growth

The organizers invite the world’s structural engineering community to share their experiences with their colleagues and friends and have unique open discussions and forums on what the future holds for engineering tomorrow’s structures. Consultants, contractors, owners, researchers and practitioners will have the opportunity to exchange ideas and experiences on structural design, construction and maintenance issues as well as ideas for future growth and sustainability.
About the Congress

Dates and Venue
Date: September 4–6, 2019
Venue: The Javits Center
655 West 34th Street
New York, NY 10001

The IABSE Annual Meetings will take place prior to the Congress from Monday, September 2 to Tuesday, September 3, 2019, at the offices of Silman, which is located at 32 Old Slip in the heart of the Financial District, a short subway or taxi ride to the venue and hotels.

A Welcome Reception will be hosted by the US Group of IABSE on the evening of Tuesday, September 3, 2019.

Congress Format
The scientific program will include Plenary and Concurrent Sessions over three days. Panel discussions and Poster Sessions will also be incorporated into the program.

Papers dealing with different themes and topics of the Congress will be selected from abstracts submitted to the Scientific Committee. These papers will be presented orally or by poster.

At the Plenary Sessions, invited Keynote Speakers will present lectures on key Congress topics. Sub-Plenary Sessions will be devoted to specialized topics. Concurrent Sessions will be organized by topics according to the selection of the Scientific Committee.

Panel Discussions will highlight themes of widespread interest as identified by IABSE's Working Commissions and Working Groups as well as IABSE members, in agreement with the Scientific Committee and the Organizing Committee. Posters will be presented by their authors in facilitated sessions to enable contact with the paper authors during the Poster Sessions.

The official language of the Congress is English.

Participants
The Congress is intended for civil and structural engineers, architects and associated professionals interested in the Evolving Metropolis.

Participants will include designers, consultants, researchers, owners, contractors, operators, suppliers and representatives of authorities and others interested in the Congress themes and topics.
Scientific Committee

Jonathan McGormley, USA Chair
Eftychia Apostolidi, Austria
Mourad Bakhoum, Egypt
Hans Beushausen, South Africa
Bruno Briseghella, China
Maria Grazia Bruschi, USA
Yinghong Cao, USA
Mat Carter, USA
Stephanos Dritsos, Greece
Guangli Du, Denmark
John Duntemann, USA
Ian Firth, United Kingdom
Carlos Galindo Mendez, Mexico
Rade Hajdin, Switzerland
Niels Peter Hoj, Switzerland
Mats Karlsson, Sweden
Ho-Kyung Kim, Republic of Korea
Andreas Lampropoulos, United Kingdom
Guy Larose, Canada
Jose Antonio Lozano Galant, Spain
Fernando Madrazo Aguirre, United Kingdom
Giuseppe Carlo Marano, Italy
Andrew Martin, Denmark
Jose Matos, Portugal
AnnaLisa Meyboom, USA
Fausto Mistretta, Italy
Marwan Nader, USA
Luis Oliveira-Santos, Portugal
Pedro Pacheco, Portugal
Eberhard Pelke, Germany
Svetlana Potapova, USA
Robert Ratay, USA
B.C. Roy, India
Sougata Roy, USA
Laurent Rus Jenni, Spain
Fathy Saad, Egypt
A. F. M. Saiful Amin, Bangladesh
Kristian Schellenberg, Switzerland
Ann Schumacher, Switzerland
Ikuhide Shibata, Japan
Anton Syrkov, Russian Federation
Richard Stroetmann, Germany
Harshavardhan Subbarao, India
Marina Traykova, Bulgaria
Rob Vergoossen, The Netherlands
Teng Wu, USA
Ye Xia, China
Stefan Zmigrodzki, Canada
Daia Zwicky, Switzerland

Organizing Committee

Joseph F. Tortorella, Chair
Robert Silman, Honorary Chair
Rebecca Buntrock
Anirban De
George Deodatis
Salvatore DiBernardo
Powell Draper
Lee Franck
John McCue, Treasurer
Jonathan McGormely
Katie Osborne
Call for Congress Contributions

A web platform is now open for Authors to contribute ideas for focused or parallel session themes and topics. Contributions can be submitted through www.iabse.org/newyork2019.

Suggestions can be directed to the two Focused Sessions: Tomorrow’s Affordable Housing and The 200 Year Bridge or to the crowd-sourced topics under the Congress theme and presented through Parallel Sessions. Anticipated topics include Resiliency, Sustainability, Engineering and the Human Habitat, and Smart Cities. Contributors can also suggest topic presentation methods such as paper, poster, panel discussion, etc. Contributions will be considered through June 1, 2018.

The Scientific Committee will review submitted contributions and assemble a Call for Abstracts.

Important Dates

- June 1, 2018: Deadline for Congress contributions
- June 15, 2018: Call for abstracts
- November 1, 2018: Deadline for abstract submissions
- February 1, 2019: Notify authors of abstract acceptance
- May 1, 2019: Submittal deadline for full papers
- June 15, 2019: Notification of acceptance of full papers and announcement of presentation types
- July 1, 2019: Registration deadline for all presenting authors
- July 1, 2019: Deadline for early-bird registration
- September 2–3, 2019: IABSE Annual Meetings
- September 4–6, 2019: Congress
Young Engineers Program

All participants born in or after 1985 will benefit from a reduction in their registration fee. In addition, any main author born in or after 1985, who personally presents his or her own paper at the Congress, will be considered for additional recognition. An independent jury will select two contributions from young authors-oral or poster-and each will receive a prize of 2,000 CHF each. The prizes are offered by the IABSE Fellows and the Organizing Committee and will be presented at a special session of the Congress.

On September 4, 2019, an evening networking event will be organized to promote the interaction of Young Engineers with IABSE Fellows and Congress attendees.

Exhibition & Sponsorship

A commercial exhibition is planned at the Congress venue. This offers a unique opportunity for companies to display their projects, products and services.

Companies interested in exhibiting can find information on the Congress website and are invited to contact the noted link as soon as possible to confirm current availability of exhibition space.

A sponsorship program is also available, to allow corporate partners to interact and engage with the Congress delegates and the engineering community.

For more information please visit www.iabse.org/newyork2019 or contact info@iabse-newyork2019.org.

Technical Visits

Technical visits to interesting projects and to research facilities guided by local engineers are planned during the Congress. Visits will also be open to accompanying persons. More detailed information will be available in the Final Invitation and the Congress website.

Social Program

A social program will be organized for all Congress delegates and accompanying persons, including the Icebreaker Reception, Welcome Reception and the Gala Dinner. An accompanying tour will be organized.
Getting Here

By Plane

JFK and Newark International Airports are located 30-60 minutes away from the Convention Center and Hotels by car service, taxi or public transportation and serves most major international destinations by direct flight.

Venue

The Javits Center
655 West 34th Street
(enter on 11th Ave., between 35th and 36th Sts.)

Annual Meeting

Silman
32 Old Slip, at South Street
(South Street Seaport)

Hotels

INK 48
643 11th Avenue
(11th Ave. and 49th St.)

Millennium Broadway New York Times Square
145 West 44th Street
(44th St., 6th Ave.-Broadway)

Yotel
570 Tenth Avenue
10th Ave. and 41st St.
About the Venue

Where else in the world can you find 760,000 square feet of meeting space, bespoke services, and top-of-the-line amenities—all under one giant 7-acre green roof? Attending an event at the Javits Center is itself an event. The Javits Center is the crown jewel of the pulsating, resurgent new West Side neighborhood—now transformed with the Hudson River Park, Hudson Yards and the recently expanded section of the High Line. And thanks to the new 7 Subway line extension across the street, all the excitement is closer than you ever imagined.
About New York City

According to facts from the History Channel, In 1664, the British seized New Amsterdam from the Dutch and gave it a new name: New York City. For the next century, the population of New York City grew larger and more diverse: It included immigrants from the Netherlands, England, France and Germany; indentured servants; and African slaves. By 1810 it was one of the nation's most important ports. It played a particularly significant role in the cotton economy: Southern planters sent their crop to the East River docks, where it was shipped to the mills of Manchester and other English industrial cities. Then, textile manufacturers shipped their finished goods back to New York. As the city grew, it made other infrastructural improvements. In 1811, the “Commissioner’s Plan” established an orderly grid of streets and avenues for the undeveloped parts of Manhattan north of Houston Street. In 1837, construction began on the Croton Aqueduct, which provided clean water for the city's growing population. Eight years after that, the city established its first municipal agency: the New York City Police Department.

Meanwhile, increasing number of immigrants, first from Germany and Ireland during the 1840s and 50s and then from Southern and Eastern Europe, changed the face of the city. They settled in distinct ethnic neighborhoods, started businesses, joined trade unions and political organizations and built churches and social clubs.

At the turn of the 20th century, New York City became the city we know today. In 1895, residents of Queens, the Bronx, Staten Island and Brooklyn—all independent cities at that time—voted to “consolidate” with Manhattan to form a five-borough “Greater New York.” As a result, on December 31, 1897, New York City had an area of 60 square miles and a population of a little more than 2 million people; on January 1, 1898, when the consolidation plan took effect, New York City had an area of 360 square miles and a population of about 3,350,000 people.

The 20th century was an era of great struggle for American cities, and New York was no exception. The construction of interstate highways and suburbs after World War II encouraged affluent people to leave the city, which combined with deindustrialization and other economic changes to lower the tax base and diminish public services. This, in turn, led to more out-migration. Eventually, as the city became more and more attractive to both the affluent and young urban professionals, the population exploded in Manhattan and the great city has never looked back.

Today, more than 8 million New Yorkers live in the five boroughs—more than one-third of whom were born outside the United States. 1.7 million of these live in Manhattan. Thanks to the city’s diversity and vibrant intellectual life, it remains the cultural capital of the United States and the financial capital of the world. Each year, NYC is named the “safest large city in America” and continues to hold that title today.

Everything is at your fingertips in NYC, from Broadway shows, to Times Square and its lights, to the Statue of Liberty, to the great museums and cultural institutions, Central Park and the High Line and, of course, a diverse offering of foods like nowhere else.
About IABSE

The International Association for Bridge and Structural Engineering (IABSE) was founded in 1929. Today, IABSE has members in over 100 countries and 50 National Groups around the world. 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 deals with all structures and with all materials.

To fulfil its mission IABSE organizes 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.

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