



THE WORLD ENGINEERS CONVENTION WEC 2023

Theme

Engineering for life – breakthrough technologies and capacity development focused on the United Nations' Sustainable Development Goals.

Characteristics

World Engineers Conventions are the largest gatherings of engineers, scientists and technicians held every 4 years on various continents. They are the most important meetings in the engineering world which attract up to 3000 participants from more than 100 countries.

The World Engineers Convention will be held in the Czech Republic, in Prague, for the first time, on October 9 -15, 2023. Its professional part, the Congress, will take place on October 11 – 13, 2023.

WEC 2023 is co-hosted by the Czech Association of Scientific and Technical Societies (CSVTS) and the World Federation of Engineering Organizations (WFEO). WEC 2023 has already received patronage granted by UNESCO and the Prime Minister of the Czech Republic Mr Petr Fiala.

Main objective

The main objective is to explore and find how innovative and breakthrough technologies can effectively respond to planetary challenges and ensure the environmental sustainability and safe life of humanity in the future. The subsequent aim is to further exchange views and mobilize the crucial international role of engineers, technical specialists, scientists, and all those involved and interested people in order to contribute to solving the most critical global problems of humanity.

Aim

The aim of the event is to bring together the global community of engineers and scientists as well as industry executives, policymakers, influencers, technical specialists, educators and students.

Share all kinds of innovative engineering solutions.

Present emerging and future technologies for meeting ambitious sustainable development goals.

Create space for global networking opportunities.

Share the best practices and new ideas resulting in solutions to the most demanding world problems to shelter safe life and well-being in the future.

What makes WEC 2023 unique:

The venue of the convention is in the heart of Europe, in historic Prague, which is famous for its hospitality.

Stress is laid on global scientific cooperation and transdisciplinary research.

The vision of future human well-being is foreseen beyond the year 2030.

WEC 2023 will amalgamate the best achievements of the previous meetings.

Focus is on achievements in 8 out of 17 UN SDG:



KEY TOPICS of WEC 2023 in Prague

1. New Solutions for Energy
2. Smart Cities, Concept of Urbanization
3. Engineering Approach to Environment Protection
4. Engineering Education and Continuing Professional Development
5. Green Transport
6. Safe digital world
7. Innovative Technologies in Industry
8. Engineering in Health Care
9. Food and Fresh Water Supply
10. Natural and Industrial Disasters Prevention
11. Climate Change Mitigation and Adaptation
12. From the Earth to the Universe
13. Young Engineers Forum
14. Women in Science and Engineering

Overview of past WEC

1. Hannover WEC 2000: **Humankind – Nature – Technology**
2. Shanghai WEC 2004: **Engineers Shape the Sustainable Future**
3. Brasilia WEC 2008: **Engineering and Innovation for Development with Social Responsibility**
4. Geneva WEC 2011: **Engineers Power the World: Facing the Global Energy Challenge**
5. Kyoto WECC 2015: **Engineering: Innovation and Society**
6. Melbourne WEC 2019: **Engineering a Sustainable World: The Next 100 Years**

Venue in Prague

WEC 2023 Venue: Prague Congress Centre (www.praguecc.cz), Prague and the Czech Republic is a very hospitable and wonderful place with a long tradition of science and engineering that has significantly contributed to the world's fount of wisdom and knowledge. WEC 2023 is presented by the logo which symbolizes and synthesizes the Czech contribution to world engineering and science through one of the most important inventions, the idea of artificial intelligence – The Robot.

Prague, and the Prague Congress Center, is well prepared to host up to 3000 WEC 2023 participants and their family members from all countries of the world and offer them the best professional as well as social and cultural experiences.

Engineering is more and more intervening in all areas of human society, its importance is indisputable and with the rapidly evolving needs of human society, it is clear that we cannot do without the engineering profession, engineers and state-of-art technology. Therefore, the organizers of WEC 2023, CSVTS and WFEO, would like to invite engineers, academics, global thought leaders, technical specialists, professional and engineering association members, educators, students, industry influencers and professionals from other fields from all over the world to share their latest knowledge, experience, research, suggestions and visions which would present the latest achievements of the engineering art at this magnificent engineering event.