

9 – 15 OCTOBER 2023

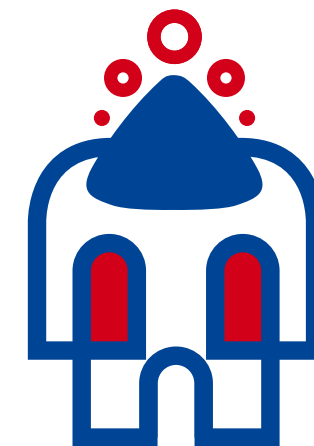
**PRAGUE
WILL BECOME THE
WORLD CAPITAL
OF ENGINEERING**



ENGINEERING FOR LIFE

BREAKTHROUGH TECHNOLOGIES
AND CAPACITY DEVELOPMENT

FOCUSED on UN SDGs



WEC 2023

7TH WORLD ENGINEERS
CONVENTION

PRAGUE, CZECH REPUBLIC

11 – 13 OCTOBER, 2023

WFEO 9 – 15 OCTOBER, 2023





Our biggest challenge in this new century
is to take an idea that seems abstract -
sustainable development - and turn it into
reality for all the world's people

(Kofi Annan)

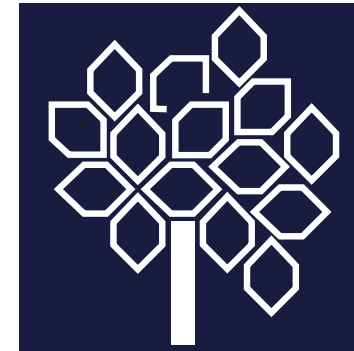


CO-HOSTED BY

WEC 2023
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THE CZECH ASSOCIATION
OF SCIENTIFIC AND TECHNICAL SOCIETIES



WFEO / FMOI

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PRAGUE, CZECH REPUBLIC | 11 – 13 OCTOBER, 2023

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WEC 2023 GOALS

- 1 PRESENT IMPORTANT ACHIEVEMENTS, INNOVATIONS, EMERGING AND BREAKTHROUGH TECHNOLOGIES**
- 2 SHOW HOW ENGINEERS CONTRIBUTE TO THE SUSTAINABLE DEVELOPMENT**
- 3 SHARE BEST PRACTICES AND IDEAS LEADING TO MEETING THE UN SDGS**
- 4 TARGET ATTENDANCE: 3000 + PARTICIPANTS**

- 5 BRING TO PRAGUE A GLOBAL COMMUNITY OF:**

- » Engineers
- » Professionals and engineering association members
- » Technical specialists
- » Academics
- » Educators
- » Students
- » Industry influencers
- » Global thought leaders
- » Company executives
- » Global media representatives



THE CONGRESS PROGRAM

- » Three full days
- » 14 key themes focused on 8 UN SDGs
- » 6 – 12 keynote speakers of the congress plenary
- » World-class experts from the whole world
- » Technical program in 12 parallel streams
- » Women in science and engineering round table
- » Young engineers forum
- » Student mini-oral presentations
- » Student competition in robotics and AI
- » UNICEF “U-Report” results presentation by students
- » Poster presentation
- » Exhibition
- » Technical tours, site visits and excursions
- » Ceremonies and social events



CONGRESS PROGRAM TOPICS

WEC 2023
7TH WORLD ENGINEERS
CONVENTION

A HUMANITY WELL-BEING

- » Engineering in Health Care
- » Food and Fresh Water Supply
- » Climate Change Mitigation and Adaptation
- » From the Earth to the Universe
- » Engineering Education and Continuing Professional Development
- » Young Engineers Forum
- » Women in Science and Engineering

B SUSTAINABLE ECONOMY

- » New Solutions for Energy
- » Smart Cities, Concept of Urbanization
- » Green Transport
- » Safe Digital World
- » Innovative Technologies in Industry
- » Engineering Approach to Environment Protection
- » Natural and Industrial Disasters Prevention



CONGRESS PROGRAM AT GLANCE

**Tuesday
Oct. 10,
2023**

**Wednesday
Oct. 11,
2023**

**Thursday
Oct. 12,
2023**

**Friday
Oct. 13,
2023**

**Saturday /
Sunday
Oct. 14/15,
2023**

Registration	Registration												Registration												Registration												Post-conference Tours and Cultural Events
	Opening Ceremony												Plenary Lecture and Panel Discussion						Plenary Lecture and Panel Discussion						Plenary Lecture and Panel Discussion						Technical Tours						
Welcome Reception	Plenary Lecture and Panel Discussion						Exhibition	Technical Tours	Panel Discussion Education						Exhibition	Technical Tours	Students' competitions Robotics, Artificial Intelligence						Exhibition	Technical Tours													
	Plenary Lecture and Panel Discussion								Poster presentations and students' mini orals								Poster presentations and students' mini orals																				
	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6	Stream 7	Stream 8	Stream 9	Stream 10	Stream 11	Stream 12	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6	Stream 7	Stream 8	Stream 9	Stream 10	Stream 11	Stream 12	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6	Stream 7	Stream 8	Stream 9	Stream 10	Stream 11	Stream 12	
	Industrial Dinner												Gala Dinner												Closing Ceremony												
																									Convention Dinner												



PUBLICATIONS



ACTA POLYTECHNICA

JOURNAL
OF ADVANCED
ENGINEERING

Peer-reviewed Open Access scientific journal published by the CTU in Prague

Indexed in Web of Science ESCI database, Scopus database, CAS, Inspec,
DOAJ and by ABSCO database



CONGRESS PLENARY

KEYNOTE SPEAKERS (CONFIRMED)



Josef Michl – Photochemistry and photo-physics of singlet fission for higher efficiency solar cells, University of Colorado, Boulder, USA



Jack Dangermond – The role of geoinformation for sustainable future, Environmental Systems Research ESRI, University of California, USA



R. Paul Singh – Circularity in Food Processing, National Academy of Engineering Member, University of California, USA



CONGRESS PLENARY

KEYNOTE SPEAKERS (CONFIRMED)



Aldert Kamp – Future
Engineering Education, Former
Director of Education at TU Delft
Faculty of Aerospace Engineering,
Netherlands



Marlen Kanga – Enabling Our
Sustainable Futures Beyond 2030,
Australia



CONGRESS PLENARY

KEYNOTE SPEAKERS (INVITED)



Alain Bécoulet,
ITER Tokamak,
Head of Engineering, France



James Hansen,
Earth Institute,
Columbia University, USA



Jennifer Nuzzo,
Center for Health Security,
Coronavirus COVID 19 Studies,
Johns Hopkins University of Medicine,
Baltimore, USA



CONGRESS PLENARY

KEYNOTE SPEAKERS (INVITED)



Sir Nicholas Stern, Baron Stern of Brentford, British economist, banker, and academic, IG Patel Professor of Economics and Government and Chair of the Grantham Research Institute on Climate Change and the Environment at the London School of Economics, United Kingdom



Faith Birol, Executive Director of the International Energy Agency



CSVTS STEERING COMMITTEE AND SCIENTIFIC COMMITTEE

are preparing the WEC 2023 technical programme in cooperation with about 50 experts to date, mainly from European countries and the USA

Experts from other continents are very welcome



WEC 2023 GLOBAL DIMENSION PARTNERSHIP WITH UNICEF

Humankind sustainable future is
unthinkable without young people
awareness and dedication

Exclusive Partnership with UNICEF Czech Republic
enabling to get feedback of the young generation
globally as a reaction on the topics discussed

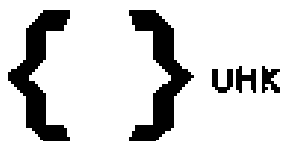
Using the UNICEF communication platform U-Report
to address over 11 million users in 68 countries!



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PATRONAGE



REQUESTED PERSONAL AUSPICES

His Excellency Mr António Guterres Secretary-General of the United Nations

With a diplomatic support of the former Czech Minister of Foreign Affairs and Ambassador of the Czech Republic to the United Nations in New York Mr. Jakub Kulháněk



IN PARTNERSHIP WITH



MINISTRY OF EDUCATION
YOUTH AND SPORTS



Ministry of Foreign Affairs
of the Czech Republic



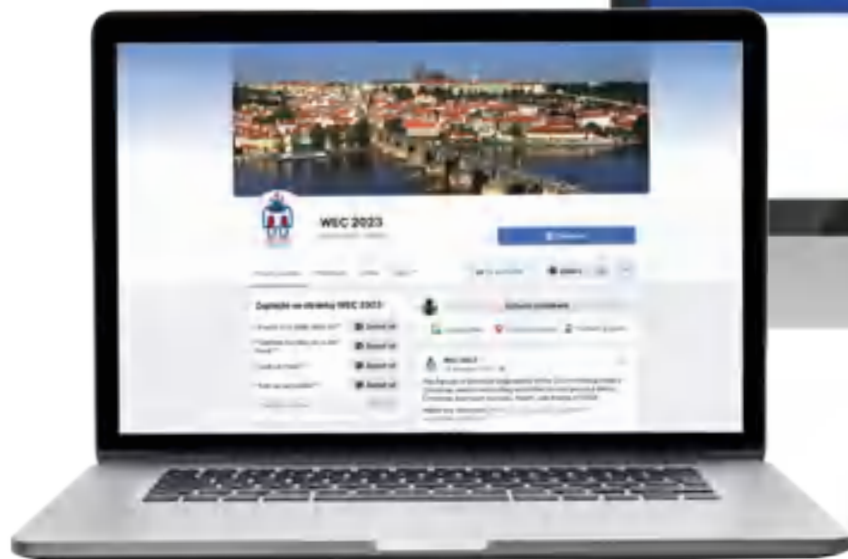
MINISTRY OF
INDUSTRY AND TRADE



MEDIA COMMUNICATION

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WEC 2023
Newsletters



TECHNICAL TOURS



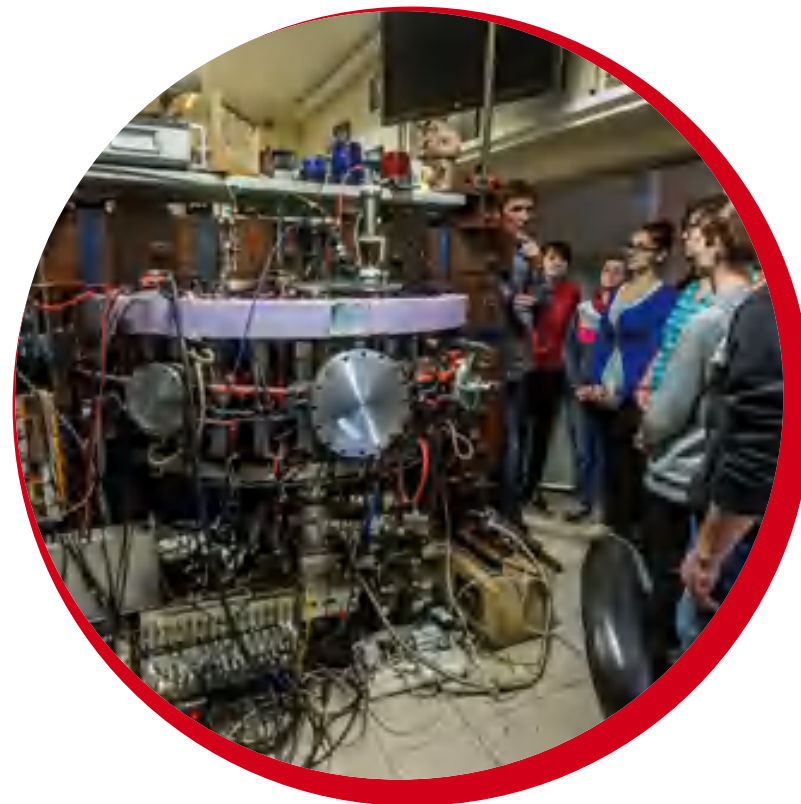
Dlouhé stráně Hydro Power Plant - the largest reversing water turbine in Europe



CIIRC - CZECH INSTITUTE OF INFORMATICS, ROBOTICS AND CYBERNETICS - the National Center for Industry 4.0



TECHNICAL TOURS



ELI BEAMS - THE WORLD'S MOST INTENSE LASER
of the impulse power output up to up to one million MW

GOLEM tokamak - Czech Technical University in Prague



TECHNICAL TOURS



Pilsner Urquell Brewery – founded in 1842



WEC 2023
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CONVENTION

VENUE

Prague Congress Center



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VENUE



Prague Congress Center
- main theatre capacity - 2500 chairs



Prague Congress Center



Prague Congress Center location



SOCIAL EVENTS



Žofín Palace



Municipal House



SOCIAL EVENTS



Spanish Hall of the Prague Castle



National Museum



IMPORTANT DATES

CALL FOR ABSTRACTS has been already opened

REGISTRATION will be opened in October 2022

SEE YOU IN PRAGUE IN OCTOBER 2023

If you want to get WEC 2023
Newsletter subscribe at wec2023.com



THANK YOU

DANIEL HANUS (hanus@csvts.cz)
CHAIR OF WEC 2023
PRESIDENT OF CSVTS

Contact on the program manager

Ms Lucie Prichystalova
and the professional congress organizer
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