



Wrocław University
of Science and Technology

crp

**43rd Conference of
Rectors and Presidents
of
European Universities of Technology**

**Universities of Technology
Driving Urban Innovation:
Towards Smart and Climate Neutral Cities**

19th – 20th September 2025

Conference Host:

**Prof. Arkadiusz Wójs
Rector of Wrocław University of Science and Technology
(Wrocław Tech)**

Conference Venue:

**Wrocław University of Science and Technology, Poland
H14 Building
40 Wybrzeże Stanisława Wyspiańskiego St.**

Invitation to the crp2025 Conference at Wroclaw University of Science and Technology

Dear Colleague,

We cordially invite you to the 43rd Conference of Rectors and Presidents of European Universities of Technology – crp2025 – to be held at Wroclaw University of Science and Technology, Poland.

General background of the conference:

Following a joint initiative of the rectors of Vienna University of Technology and RWTH Aachen, this conference started in 1980 with the aim of establishing an informal platform for top representatives of leading science and engineering universities in Europe for:

- Discussing topics of major common concern, that are not discussed in other fora,
- Identifying differences and commonalities of existing solutions to problems of common interest,
- Developing new ideas and - if appropriate - preparing recommendations on specific topics,
- Forming a ‘think tank’ for the future development of the universities of technology in Europe.

The conference is organized as an informal platform, without a formal international governing structure.

The urgent challenge of addressing human-induced climate change calls for immediate action.

Technical universities play a pivotal role in this endeavor by training future engineers and scientists, conducting ground breaking research and fostering innovation through spin-offs. As institutions, we must lead by example in addressing these significant ecological challenges.

Achieving net-zero greenhouse gas emissions within the next decades requires synchronized technical and societal transformations across multiple domains. Current efforts, while valuable, remain insufficient to meet the scale of the challenge.

The universities are developing cutting-edge research through multi-disciplinary collaborative approaches. The new technologies and the ultimate scientific discoveries have led to new treatments, new approaches for thinking and the development of new policy.

At crp2025, keynote speakers will provide diverse perspectives on the conference themes, while leaders of European universities of technology will share their strategies and experiences in transitioning their institutions toward climate neutrality.

Discussions at the 2025 conference will address issues such as:

- Smart spatial planning
- Adapted consumer behavior
- Sustainable construction materials and energy minimized production
- Optimized heating and cooling systems
- Smart building technologies
- Utilization of natural forms of energy and waste heat
- Forcing active mobility and public transport
- Green and blue infrastructure for the heat and water balance
- Global standards for certifying buildings and technical infrastructure
- System optimization by simulation and AI
- Environmental psychology and sociology

We are looking forward to meet you in Wroclaw in September 2025!

Arkadiusz Wójs

crp2025 Host

Wroclaw University of Science and Technology

Harald Kainz

crp Coordinator

TU Austria

Programme, Day 1

September 19th, 2025

09:30 - 10:00	Arrival of participants / Registration
10:00 - 12:00	Campus Tour (start at H14 building)
12:30 - 13:20	Buffet Lunch / Registration
13:20	Accompanying person's departure for afternoon programme (see page 7)
13:20 - 14:00	Opening Session
13:20 - 13:30	Family Foto Session
13:30 - 13:40	Welcome by the crp2025 host Arkadiusz Wójs, Rector of Wrocław University of Science and Technology, Poland
13:40 - 13:50	Music performance By Jadwiga Tomczyńska
13:50 - 14:00	Introducing the Conference Harald Kainz, crp Coordinator, TU Austria
14:00 - 18:10	Keynote Speeches Chair: Harald Kainz, crp-Coordinator, TU Austria
14:00-14:10	Advancing European Climate Action – The Role of the Cities Mission Patrick Child, Cities Mission Manager and Deputy-Director General for DG Environment
14:10-14:40	Europ. Climate Policy – Substantial, belated progress toward net-zero Edgar Hertwich, Trondheim, Norway
14:40-15:10	Smart Spatial Planning for Climate-Neutral Cities Gintaras Stauskis, Vilnius Tech, Lithuania
15:10-15:40	Technologies and Materials for Circular Cities Joanna Kulczycka, AGH University of Science and Technology Krakow, Poland
15:40-16:00	Discussion
16:00-16:20	Break

Programme, Day 1 (continued)

September 19th, 2025

- 16:20 - 18:10 Keynote Speeches (continued)**
- 16:20 - 16:50 **Transformation of the Building Sector – Technologies and Measures**
Sebastian Herkel, Fraunhofer ISE, Freiburg, Germany
- 16:50-17:20 **The Architecture of Urban Innovation:
Designing Interdisciplinarity and Collaboration**
Arkadiusz Wójs,
Wroclaw University of Science and Technology, Poland
- 17:20-17:50 **Rainwater Management Between Heavy Rainfall and Drought Stress**
Heiko Sieker, Germany
- 17:50-18:10 Final discussion and round up
- 20:00- 23:00 **Gala Dinner at “Gustaw” Restaurant**
(<https://restauracjagustaw.pl>)
ks. Piotra Skargi St. 18A, 50-082 Wrocław

Programme, Day 2

September 20th 2025

- 09:00-11:00 **Session 1:**

Chair: Mihnea Costoiu, Rektor,
National University of Science and Technology,
Politehnica Bucharest, crp2024 Host
- 09:00 - 09:30 **Wiring the Future: Electric Systems
as the Backbone of Sustainable Cities**
Teresa Ponce de Leao,
Laboratore Nacional de Energia e Geologia, Portugal
- 09:30 - 10:00 **Towards climate neutrality –
TU Dresden’s commitment to sustainability**
Roswitha Böhm, TU Dresden, Germany

10:00 - 10:30	VILNIUS TECH: putting sustainability policy into practice Remigijus Šalna, Vilnius Tech, Lithuania
10:30 - 10:50	Discussion
10:50 - 11:10	Break
11:10 - 13:00	Session 2 Chair: Renata Krzyżyńska, Wice-Rektor, University of Science and Technology Wrocław, crp2025 Host
11:10 - 11:40	Towards TU Wien's vision: A creative urban Tech University in the heart of Vienna Jens Schneider, TU Wien, Austria
11:40 - 12:10	Japan and Türkiye on the Road to Sustainable Urban Transformation Mustafa Versan Kök, Turkish - Japanese Science and Technology University, Istanbul, Turkey
12:10 - 12:40	Sustainability Research at Graz University of Technology: The Research Centers Horst Bischof, Graz University of Technology, Austria
12:40 - 13:00	Final Discussion
13:00 - 13:10	Conference Conclusions Renata Krzyżyńska, Vice-Rector, University of Science and technology Wrocław
13:10 - 13:15	Conference closing Harald Kainz, crp Coordinator, TU Austria
13:15 - 14:00	Buffet Lunch
14:00 – 16:00	Post-Conference Excursion
18:00 - 21:00	Informal Farewell Dinner at “La Maddalena” Restaurant (https://lamaddalena.pl/menu) Pomorska St. 1, 50-215 Wrocław



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Locations of the Conference Sessions:

September 19th and 20th, 2025

Wrocław University of Science and Technology
bldg. H-14, Wybrzeże Stanisława Wyspiańskiego 40, 50-370 Wrocław

Social Programme on September 19th, 2025

Morning (optional)

10:00 - 12:00: **Campus & Lab tour**
Starting point: H14

Guided walk on the main campus and laboratories:

1. Laboratory of Electromagnetic Compatibility:

Fulfills its mission through EMC workshops, consulting, and testing. Certified for high-quality services, it features state-of-the-art equipment, constantly upgraded.

2. Center for Advanced Manufacturing Technology:

Areas of interest include manufacturing and production management technologies, such as incremental manufacturing, reverse engineering, materials engineering, automation, robotics, optomechatronics, vision systems, laser technologies, production organization and software engineering.

3. Faculty of Medicine

The Medical Simulation Center features dedicated rooms for technical skills training, resuscitation exercises, medical debriefing, physical examination practice, and medical interviewing. It also includes specialized spaces for conducting OSCE (Objective Structured Clinical Examination) assessments.



September 19th, 2025

Afternoon:

13:30 - 17:30

Accompanying persons' programme, Wrocław Centennial Hall - visit to the UNESCO World Heritage complex and the Old Town
Departure from the Conference site

The Centennial Hall, listed as a UNESCO World Heritage Site, is an architectural landmark and a symbol of modernist design. During the visit, the guests will explore the surroundings of the hall, including its scenic green areas and nearby attractions. Afterward, the group will be transferred to Wrocław's historic Old Town to visit the Market Square and its charming surroundings. The tour will include a break at a local café to enjoy some refreshments.

Evening:

20:00: Conference Dinner at Gustaw Restaurant (<https://restauracjagustaw.pl/>)

Information for the routes from the hotels to the dinner location separate information will be provided.

September 20th, 2025

14:00 - 16:00

Post-Conference Programme Conference participants and accompanying persons:

Boat trip - Guided Tour: Exploring Wrocław's Heritage

Departure from Conference site

This guided tour offers a captivating journey through Wrocław's rich history. Participants will travel by catamaran from the conference venue to Cathedral Island, the oldest part of the city. There, a guided walk will explore the island's remarkable medieval architecture, including the iconic Wrocław Cathedral. The tour provides insight into the city's historical and cultural heritage, set against the backdrop of picturesque streets and tranquil riverside views.

18:00 - 21:00

Informal Farewell Dinner at La Maddalena (<https://lamaddalena.pl/>)



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**2025 Conference Host:
Rector Arkadiusz Wójs**

Rector
Wrocław University of Science and Technology

**2025 Conference organisation at
Wrocław University of Science and Technology**

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