



TECHNISCHE
UNIVERSITÄT
WIEN

crp

**40th Conference of
Rectors and Presidents of
European Universities of Technology**

What are Universities of Technology for?

September 23rd-24th, 2022

Final Programme

**2022 Conference host:
Professor Sabine Seidler
Rector, TU Wien**

**Conference Venue:
TU Wien – Technische Universität Wien
1040 Vienna, Karlsplatz 13, 4th floor, Kuppelsaal**

Invitation to the 2022 Conference at TU Wien

Dear colleague,

We cordially invite you to crp2022, the 40th Conference of Rectors and Presidents of European Universities of Technology.

The pandemic confronted all universities with emergencies that required urgent adaptation of teaching, research and innovation to the new situation. The problems faced during the pandemic and the experiences made are stimulating universities to review their specific missions and long-term strategies. Universities of technology in particular need to find appropriate sustainable solutions for economic, social and environmental development. Global challenges such as climate change and the green transition, digitisation and artificial intelligence, and others call for comprehensive approaches for teaching and learning, research and innovation, and societal outreach. Cooperation across disciplinary boundaries and co-development with external agents and users require appropriate institutional structures and adequate processes and procedures. In addition, the digital transition will need fundamental reconsiderations of university management and academic activities.

Keynote speakers will discuss the Conference topic from different perspectives and leaders of European Universities of Technology will present their institutions' future oriented missions, plans, strategies and initiatives.

General background of the conference:

Following a joint initiative of the rectors of Vienna University of Technology and RWTH Aachen University, 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, and
- forming a 'think tank' for the future development of the universities of technology in Europe.

As an informal grouping, the conference has no formal international or European organisational structure.

Discussions at the 2022 Conference will address issues such as:

The conference topic will give an opportunity to discuss different aspects of universities' perspectives, plans and strategies, regarding the specific roles and functions of universities of technology, such as:

- Vision and mission of universities of technology in post-pandemic times and in the long-term
- Coping with the climate and digital transition through appropriate strategies, structures and procedures
- Contributing to sustainable development through balancing education and learning, research and development, innovation and entrepreneurship, outreach and societal impact
- Involving and including society beyond fostering public understanding of science and technology – future developments on the basis of lessons learnt from the pandemic
- Providing evidence and advice on science, technology and innovation issues
- Supporting equal opportunities - gender equality and diversity - accessibility - attracting talent from all parts of society independently of gender, religion, and ethnic background
- Ensuring staff development opportunities including offering an advanced spectrum of academic career paths including the professionalisation of scientific support staff
- Strengthening internationalisation - European and global positioning, cooperation, and competition - combining connectivity and physical mobility

We are looking forward meeting you online in cyber-space in September 2022!

Rector, Prof. Sabine Seidler
TU Wien
2022 Conference Host

Prof. Manfred Horvat
Conference Coordinator

Programme, Day 1

September 23rd, 2022

- 09:00 - 09:30 **Arrival of participants at Conference Venue**
- 09:30 - 12:30 **Campus Tour: TU Wien Science Center**
- 12:30 - 13:30 **Registration and Buffet Lunch**
- 13:30 Accompanying persons' departure for afternoon programme (see page 7)
- 13:30 – 13:40 **Welcome by the host**
Sabine Seidler, Rector, TU Wien, Austria
- 13:40 - 13:50 **Official Opening**
Martin Polaschek, Minister for Education, Science and Research, Austria
- 13:50 – 13:55 **Welcome from the European Commission (Video)**
Mariya Gabriel, European Commissioner for Innovation, Research, Culture, Education and Youth
- 13:55 - 14:00 **Introducing the Conference**
Manfred Horvat, Conference Coordinator, TU Wien, Austria
- 14:00 - 14:15 **Mission and development strategy of TU Wien**
Sabine Seidler, Rector TU Wien
- 14:15 - 15:30 **Keynote Speeches**
Chair: Manfred Horvat, Conference Coordinator, TU Wien, Austria
- 14:15-14:30 **The European Strategy for Universities: Specific roles for universities of technology?**
Elmar Pichl, Director General for Higher Education, Federal Ministry for Education, Science and Research, Austria
- 14:30-15:00 **Transforming higher education for global sustainability**
Dag Olav Hessen, Co-Chair, UNESCO Global Independent Expert Group on the Universities and the 2030 Agenda, co-author of the UNESCO Report; Professor in Biosciences at University of Oslo, Norway (Video)
- 15:00 – 15:30 **Designing AI and Digital Technologies for Humanity: Risks and Chances of Machine Learning**
Rafaela Hillerbrand, Professor for Ethics of Technology and Philosophy of Science. Deputy Head of Institute for Technology Assessment and Systems Analysis (ITAS), Karlsruhe Institute of Technology (KIT), Germany
- 15:30 - 16:00 **Break**

Programme, Day 1 (continued)

September 23rd, 2022

- 16:00 – 17:30 **Keynote Speeches** (continued)
- 16:00-16:25 **Developing comprehensive socio-technological engineering education and research at universities of science and technology**
Stefan Kuhlmann, Professor for Science, Technology and Society (STS) at the Department of Science, Technology, and Policy Studies (STePS) at the Faculty Behavioural, Management, and Social Sciences (BMS), University of Twente, The Netherlands
- 16:25-16:50 **Universities co-creating sustainable solutions together with government, industry, civil society considering the natural environment – Toward a “quintuple helix” model of innovation?**
Sabine Maasen, Professor of Science Studies and Innovation Research and Director of the Knowledge Exchange Agency at University Hamburg, Germany
- 16:50-17:15 **The future of universities of technology as seen from experiences at the academia-industry interface**
Jan-Eric Sundgren. Former Executive Vice-President Volvo Group; former Rector Chalmers University of Technology, Sweden
- 17:15-17:40 **Why should we teach technological entrepreneurship at Technical Universities?**
Danny Shechtman, Distinguished Professor Emeritus, Technion - Israel Institute of Technology; 2011 Nobel Laureate for Chemistry
- 17:40 – 18:00 **Final discussion and round up**
- 19:30 **Conference Dinner** (see page 7)

Programme Day 2, see next page

Programme, Day 2

September 24th, 2022

Positioning, roles and functions of universities of technology

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|---------------|--|
| 09:00-10:30 | Session 1: Chair: Claire Rossi, Interim President, University of Technology Compiègne, France – Host of crp2021 |
| 09:00 - 09:15 | National Technical University of the Ukraine - Igor Sikorsky Kyiv Polytechnic Institute Rector Mykhailo Zgurovsky |
| 09:15 - 09:30 | Technische Universität Dresden, Germany Rector Ursula M. Staudinger |
| 09:30 - 09:45 | Discussion |
| 09:45 - 10:00 | Brno University of Technology, Czech Republic Rector Ladislav Janíček |
| 10:00 - 10:15 | TU Eindhoven, The Netherlands President Robert-Jan Smits |
| 10:15 - 10:30 | Discussion |
| 10:30 - 11:00 | Break |

Sessions 2 and Conference Closing: see next page

Programme, Day 2 (continued)

September 24th, 2022

Positioning, roles and functions of universities of technology

- 11:00 – 12:45 **Session 2 and Closing**
Chair: Sabine Seidler, Rector, TU Wien, Austria – Host of crp2022
- 11:00 - 11:15 **Aalto University, Finland**
President Ilkka Niemela
- 11:15 - 11:30 **Technological University Dublin, Ireland**
President David FitzPatrick
- 11:30 - 11:45 **Discussion**
- 11:45 - 12:00 **ETH Swiss Institute of Technology, Switzerland**
Rector Günther Dissertori
- 12:00 - 12:15 **Politecnico di Torino, Italy**
Prof. Roberto Zanino, Rector's Delegate for PhD Programmes and
International University Networks
- 12:15 - 12:30 **Ecole Polytechnique, France**
President Eric Labaye
- 12:30 - 12:45 **Final discussion**
- 12:45 – 12:55 **Conference conclusions**
Sabine Seidler, Rector, TU Wien, Austria
- 12:55 - 13:00 **Final remarks**
Manfred Horvat, Conference Coordinator 1981-2022, TU Wien, Austria
- 13:00 – 14:00 **Buffet Lunch**
- 14:00 **Departure for Post-Conference Excursion including informal
farewell dinner (see next page)**

**40th Conference of
Rectors and Presidents of
European Universities of Technology**

Locations of the Conference Sessions:

September 23rd and 24th, 2022

TU Wien
Karlsplatz 13, 1040 Vienna, Austria
4th floor, Kuppelsaal

Social Programme on September 23rd and 24th, 2022

September 23rd, 2022

Morning:

09:00 – 09:30: Arrival at TU Wien, 1st floor

09:30 - 12:30: **Campus tour**

Afternoon:

14:00-17:30: **Accompanying persons' programme, Vienna City:**

Imperial Castle, Treasury, Vienna Coffee House

14:00 – 17:30

Evening:

19:30: **Conference dinner:**

Natural History Museum Vienna, Upper Dome Hall

(meeting and departure at hotels at 19:00)

September 24th, 2022

**Post-Conference Excursion for
Conference participants and accompanying persons:**

Cistercian Abbey Stift Heiligenkreuz

Farewell Dinner

14:00: Departure from Conference site

Return to hotels about 21:30



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Rectors and Presidents of
European Universities of Technology**

2022 Conference Host:

Prof. Sabine Seidler

Rector

TU Wien, Austria

2022 Conference secretariat at TU Wien::

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