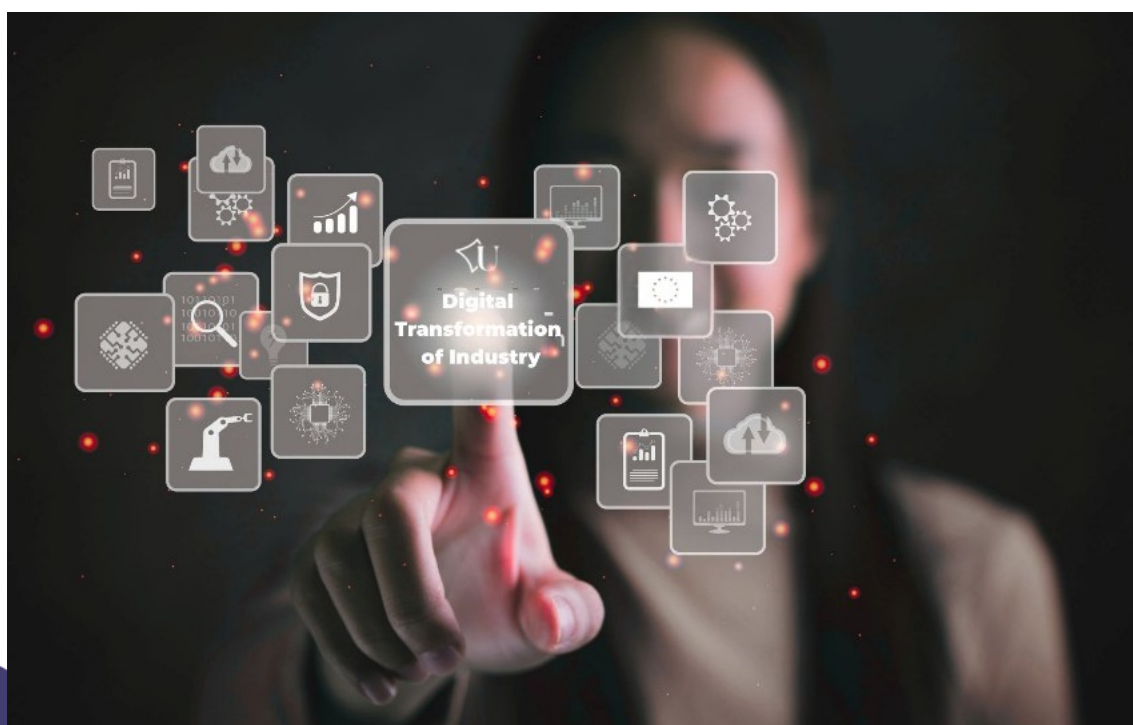

Ulysseus R&I Conference 2025

Navigating Pathways: Digital Transformation of Industry

20 October 2025

Technical University of Košice, Slovakia



**Conference
Programme**

Venue

Technical University of Košice
University Science Park TECHNICOM

Nemcovej 5, 042 00 Košice



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Programme

09:00 – 10:30

Opening & Keynote Presentations

Plenary in multiply rooms: **001** and **010** (streamed from the room 001)

Welcome Speech

- **Peter Mésároš** (Rector, Technical University of Košice)

Keynote Presentations

Session Chair: **Miroslav Michalko**

- **Muriel Dal Pont Legrand** (Vice - rector for Europe, University Côte d'Azur)
Progress or Peril? The Role of Universities and Democracy in the Age of Creative Destruction
- **Juraj Girman** (Chairman of the Board of Directors, Košice IT Valley)
Driving Digital Transformation Together – Košice IT Valley

10:30 – 10:50

Coffee Break

10:50 – 13:00

Parallel Sessions

20 min. presentations including the discussion

Track 1: Digital Transformation of Industry

Plenary in room: **001**

Session Chair: **Laura Gaggero** (University of Genoa)

- Umair Ali Khan (Haaga-Helia University of Applied Sciences), **Leveraging Agentic AI for Automated, Trustworthy Report Generation**
- Elisa Laatikainen (Haaga-Helia University of Applied Sciences), **AI Regulation in Motion – Expert Views and Practical Reflections for SMEs**
- Jeisson Alexander Higuera Reina (University of Seville), **Algorithmic Governance and Digital Legitimacy: AI-Driven Strategic Recovery in the Global Airline Industry**

- Juraj Gazda (TUCE), **The Path to General Intelligence: Understanding Current AI and Its Limits**
- Frédéric Mallet (University Côte d'Azur), **Digital Transformation – the Misalignment Between Supply and Demand**

Track 2: Universities as a Driving Force of Digital Innovations

Plenary in room: **010**

Session Chair: **Constantina Rokos** (University of Münster)

- Juan Luis Blanco Guzmán (University of Seville), **Empowering Digital Leaders through BIPs and COILs: Good Practices for Global Skills Development in Higher Education**
- Christine Schmider (University Côte d'Azur), **Digitalisation as a Driver of Internationalisation in University-Based Teacher Education: Exploring Challenges, Opportunities and Models of Innovation in the Digital Era**
- Jesús Sabariego (University of Seville), **Technopolitics of AI: Challenges and Opportunities for Universities after the European AI Act**
- Belén Cisneros Juárez (University Côte d'Azur), **University-Led Educational Technology Incubators: Bridging Academic Innovation and Industry Digital Transformation**
- Irma Kunnari (Haaga-Helia University of Applied Sciences), **Ulysseus Teachers as Co-Creators of Pedagogical Innovation**
- Darko Kovacevic (University of Montenegro), **Unlocking the Invisible Museum: Digital Innovation and Policy Advocacy in the Protection of Adriatic Underwater Heritage**

Track 3: Sustainability of Digitalisation

Plenary in room: **006**

Session Chair: **Tobias Gumbert** (University of Münster)

- Maroš Halama (Technical University of Košice), **From Atoms to Algorithms: Predicting Material Lifetime for a Sustainable Energy Transition**
- Djibril Dieng (University Côte d'Azur), Kirsi Korkealehto (Haaga-Helia University of Applied Sciences), Lyuba Stafyeyeva (Management Center of Innsbruck), **The Ulysseus Pedagogical Framework for Sustainable Digital Education**
- Antonia Graf (University of Münster), **Public Acceptance of Renewable Energies: The Case of Battery Technologies**
- Erwin Franquet (University Côte d'Azur), **Discussions and Examples of the Possible Boons of Digitalization for Developing Sustainable Solutions and Increasing Efficiency in Energy and Biodiversity Management**
- František Janke (Technical University of Košice), **Empowering Industry in the Digital and Green Transition: Insights from Innovation Interactions with SMEs**

13:00 – 14:00

Lunch & Networking

14:00 – 16:00

Parallel Technical Sessions

Technical Session 1: European Digital Innovation Hubs - EU Supports Digitalisation of SMEs and Public Sector

Plenary in room: **010**

Session Chair: **Miroslav Janák** (Technical University of Košice)

Presentation of EDIH projects with Ulysseus partners participation:

- Muriel Dal Pont Legrand, Frédéric Mallet (University Côte d'Azur), **European Digital Innovation Hubs (EDIHs) as Key Drivers of Europe's Twin Digital and Green Transitions**
- Teemu Moilanen (Haaga-Helia University of Applied Sciences), **FAIR European Digital Innovation Hub**
- Slavica Tomovic (University of Montenegro), **MontEDIH – Driving Digital Innovation in Montenegro**
- Miroslav Michalko (Technical University of Košice), **EDIH CASSOVIMUM – Lessons from Eastern Slovakia**

Technical Session 2: Ulysseus Living Labs and Ulysseus Satellite Projects

Plenary in room: **001**

Session Chair: **Adil Bakayan** (University Côte d'Azur)

Presentations of Ulysseus Living Labs best-practices and presentation of Ulysseus satellite projects in the context of digital transformation:

- Ján Pitel' (Technical University of Košice), **SmartTechLab for Industry 4.0/5.0**
- Clio Flego, Fulvio Mastrogiovanni (University of Genoa), **Living Lab on Robotics and Healthcare Innovation at Genoa**
- Julia Reinhard (Haaga-Helia University of Applied Sciences), **Living Labs for AI-Enhanced Digital Transformation in Higher Education: A Scalable and Inclusive Model**
- William O'Gorman (Haaga-Helia University of Applied Sciences), **Building Sustainable Alliances: How Satellite Projects Enhance Synergies and Maximise Institutional Impact**
- Djibril Dieng (University Côte d'Azur), **Ulysseus Satellite Project RIGO**
- Jesús Sabariego (University of Seville), **The MINERVA Erasmus+ Project on Digitalisation Processes in Latin American University Ecosystems**

Technical Session 3: Research and Innovation for the Decarbonization, Sustainability and ESG

Plenary in room: **006**

Session Chair: **Erwin Franquet** (University Côte d'Azur)

Presentations of research and innovation for the decarbonization of construction activities (through low-emission construction processes and materials in the circular economy), research and innovation for the decarbonization of industry, presentations of innovation and best-practices in sustainability and ESG.

- Erwin Franquet (University Côte d'Azur), **Université Côte d'Azur as Solutions Promoter for Addressing Climate and Biodiversity Crises**
- Tillmann Buttschardt, Doris Fuchs, Cornelia Steinhäuser, Tobias Gumbert and Daniela Pastoors (University of Münster), **Co-creating Sustainable Futures: Inter & Transdisciplinary Research in Real-world Lab Context**
- José-Luis Guisado-Lizar (University of Seville), **Integrating Simulation, AI, and Digitalisation for Smart and Sustainable Electric Mobility**
- Tran The Vu, Truong Cong Vu Hang (University of Da Nang, Vietnam), **Digital Transformation of HEIs as a Path to Decarbonization, Sustainability and ESG**

16:00 – 16:20

Coffee Break

16:20 – 17:45

Parallel Technical Sessions

Technical Session 4: Art&Tech Session

Plenary in room: **001**

Session Chair: **Manuela Raisová** (Technical University of Košice)

This session highlights the intersection of creativity, cultural industries, and digital transformation. It explores how artistic practices, immersive technologies, and innovative research can reframe industrial and societal challenges.

- Muriel Dal Pont Legrand (University Côte d'Azur), **Using European Strategy as a Scaling-Up Mechanism for Local Ecosystems: A Case Study of CCIs**
- Clio Flego (University of Genoa), Sonic Co-Agency: **Sonification as an Interface in Human-Robot Interaction at the Robotics Innovation Hub of Genova**
- Richard Kitta, Martin Cubjak (Technical University of Košice, The Andy Warhol Museum of Modern Art), **The Museum as Interface: The Future of Andy Warhol's Factory (MMUAW 2.0).**
- Ksawery Kaliski, Marian Oslislo (ASP Katowice; University of Silesia in Katowice, Poland), **BrandNEW MEDIA in AFA Katowice**
- Anna Maj (AGH University of Krakow, Poland), **On Exhibiting AI Art: Curating AI Space at the 8th Silesian Science Festival in Katowice as a Challenge in Knowledge Construction and Communication**

Technical Session 5: Poster Session

Plenary in room: **010**

Session Chair: **Miroslav Michalko** (Technical University of Košice)

5 min poster presentation

- Peter Szabó, Tibor Muszka, (Technical University of Košice), **Copernicus Satellite Images and Python for Aviation**
- Danil Kozhan , Oleksandr Krokhta (Technical University of Košice), **Robot Skills as a Service: Scalable Robot Intelligence**
- Namrata Sethi, Ivan Berazhny, (Haaga-Helia University of Applied Sciences), **INCLAVI – Inclusive Aviation: Bridging Skills Gaps for Accessible Air Travel**
- Pavlo Pomin (Technical University of Košice), **Optimization of LSTM and GRU RNN Hyperparameters Using the BOHB Algorithm**
- Mohamed Wael Ben Khaled and Nadia Ouertani Abaoub, (University Côte d’Azur), **Energy Sector Evolution: Perspectives on Energy Platforms and Energy Transition**
- Belén Cisneros Juárez, (University Côte d’Azur), **University-Led Educational Technology Incubators: Bridging Academic Innovation and Industry Digital Transformation. Audiovisual, Design, and Interactive Media Laboratory: A case study**
- Cristina Chiaiso, Renata Paola Dameri, (University of Genoa), **The Tourism & Heritage Innovation Hub UniGe Ulysseus as a Catalyst for Digital Innovation in Culture**
- Anastasiia Enderova, Juraj Janocko, Jan Genci (Technical University of Košice), **Spectrum of Artificial Intelligence in Mineral Exploration**

17:45 – 19:00

Ulysseus Young Researcher Award Ceremony

Conference Closing Remarks

Conference Reception

Moderator: **Miroslav Michalko**

More Information

Conference Page: <https://ulysseus.eu/events/navigating-pathways-digital-transformation-of-industry-conference-2025/>

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