

INTERNATIONAL CONFERENCE „SCIENCE, ART & AI“

18 May 2026

Technical University in Liberec

Institute for Nanomaterials, Advanced Technologies, and
Innovation, Bendlova 1409/7, Liberec, Czech Republic

CONFERENCE PROGRAMME

Moderator: Ing. Funda Büyük Mazari, Ph.D.

TIME	LECTURER	TOPIC
10:00	Mgr. Ing. Bc. Hana KŘÍŽOVÁ, Ph.D. (Technical University of Liberec, Czech Republic)	Czech-Saxon Project InterBridge: The Intersection of Science, Art, and Artificial Intelligence WELCOME OPENING SPEECH
10:20	Ing. Adnan Ahmed MAZARI, Ph.D. (Technical University of Liberec, Czech Republic)	Integrating Mixed Reality and Artificial Intelligence in Textile Education: Bridging Science, Art, and Digital Innovation
10:40	Ing. Karolína VOLESKÁ, Ph.D. (Technical University of Liberec, Czech Republic)	Physics that paints: Surface Tension as an Artist's Tool
11:00	Mgr. Kamil NÁBĚLEK, Ph.D. (Technical University of Liberec, Czech Republic)	The Relationship Between AI and Artistic Creation: The Potentiality of the Creative Act versus the Perfection and Executiveness of AI Tools in Artistic Production
11:20	Johannes WINHARD, M.Sc. (Technical University Chemnitz, Germany)	Symmetry and Its Breaking: Why Perfect Order Needs Imperfection
11:40	Ing. Jakub SOUSTRUŽNÍK (Technical University of Liberec, Czech Republic)	Utilization of Papermaking Technology for the Formation of Layers from Recycled Mineral Wool in Artistic Practice
12:00 – 12:40	Lunch Break	

TIME	LECTURER	TOPIC
12:40	Ing. Karolína VOLESKÁ, Ph.D. (Technical University of Liberec, Czech Republic)	When the Surface Speaks: The Hidden Power of Finishes in Art
13:00	Assoc. Prof. Sukran KARA (Dokuz Eylul University, Turkey)	A New Alternative for Conductive Paths of Smart Textiles: Potential of 3D Printing
13:20	David Levente PALATINUS, Ph.D. (Technical University of Liberec, Czech Republic)	AI, Social Media and the Pharmacopolitics of Diabetes
13:40	Claudia SILVA RUIZ (Center for Scalable Data Analytics and Artificial Intelligence) Leipzig, Germany)	An Artistic Work About Periodicity and Aperiodicity
14:00 – 14:20	Coffee Break	
14:20	Ing. Věra PELANTOVÁ, Ph.D. (Technical University of Liberec, Czech Republic)	Risk Management in Creative and Innovation Projects: An Artificial Intelligence and Systems Thinking Approach
14:40	Ing. Martin ŠETINA (Technical University of Liberec, Czech Republic)	Creating Colors through Plasma Deposition
15:00	Söhnke VETTER (University of the Arts Bremen, Germany)	Planar Rule-Based Design of Modular Lighting Objects
15:20	Ing. arch. Helena HLÁVKOVÁ (Technical University of Liberec, Czech Republic)	Emotional Mapping in the Landscape of the Jizera Mountains
15:40 – 16:00	Coffee break	

16:00	MgA. Lukáš DOSTÁLEK (Technical University of Liberec, Czech Republic)	The Transformation of Authorship, Authenticity, and the Creative Process in the Age of Artificial Intelligence
16:20	MgA. Jan ROUHA (Technical University of Liberec, Czech Republic)	Use Without Understanding: Art, Digital Stimuli, and the Limits of Human Agency in the Age of AI
16:40	Kristina UEBEL, M.Sc. (Technical University Chemnitz, Germany)	Efficiency as an Aesthetic Principle: Soap Films between Art and Science
17:00	Bc. Vítězslav KRÍŽ (University of Technology Brno, Czech Republic)	Fractals – The Beauty Hidden in a Mathematical Concept
17:20	Jakub KORNEL (Czech Technical University in Prague, Czech Republic)	Beauty Arising from almost Impossible Tasks
17:40	Mgr. Ing. Bc. Hana KRÍŽOVÁ, Ph.D. (Technical University of Liberec, Czech Republic)	CONFERENCE CLOSING

The organisers reserve the right to make changes to the programme.

The conference will be livestreamed online via YouTube:

<https://youtube.com/live/vP7ldE2w7Bg>

The recording of the conference will remain available on the InterBridge YouTube channel after the event.