



## Increasing Innovation Capacity

### Programme

10.30–11.00 **Coffee, discussions**

11.00–12.30 **Plenary Session “Shaping the Innovation Ecosystem”**

**Enno Ence**

Vice-Rector for  
Development,  
University of Latvia

**Opening remarks**

**Paulina Latko-Durątek**

Warsaw University of  
Technology, Poland

**Keynote: Bringing innovations to life at Warsaw University of  
Technology**

**Mathieu Vafadar**

Business mentor,  
entrepreneur  
France, Latvia

**Keynote: Innovations Come from Needs**

**Sara Holland**

Partner – Patent Attorney  
Potter Clarkson, UK

**Keynote: Intellectual property role in innovation ecosystem**

**Povilas Žinys**

Director Plug and Play  
Tech Centre, Lithuania

**Keynote: From Campus to Company: The University’s Role in  
Startup Creation – Insights from Plug and Play Tech Center**

**Marco Rüedi**

Doctor, Entrepreneur, and  
Life Science Business  
Coach at Innosuisse,  
Switzerland

**How the Swiss Innovation Ecosystem Supports the Transition  
from Research to Market**

**Panel Discussion**

**All keynote speakers, moderated by Assoc. prof., Dr. Gunita  
Deksne, Director of Innovation and Acceleration Centre,  
University of Latvia**

12.30 – 13.00 **Coffee break**

## 13.00 – 14.30 Session 1

### “From Lab to Life: Industry Driven Innovations”

Chair: Jurijs Jastržembskis, Technology Transfer Officer, Innovation and Acceleration Centre, University of Latvia

**Dāvids Štēbelis**  
University of Latvia

**Development of a Systemic Model for Technology Transfer and Innovation Commercialization Processes in Latvian Research Institutions**

**Mathias Kiele-Dunsche**  
Steinbais School of  
Management of Innovation  
Germany

**Simple Ideas that Matter**

**Līga Avotiņa, Artūrs  
Zariņš, Vilnis Peipiņš**  
University of Latvia,  
Daugavpils University,  
Dinair Filton Ltd

**Development of innovative composite materials from biological natural resources for commercial air filtrating systems**

**Lāsma Bugovecka, Andis  
Liepiņš**  
University of Latvia, SIA  
APPLY

**Building Bridges Between Research, Industry, and Clinics: A Collaborative Approach to Lung Cancer Analysis Combining Clinical, Histopathological, and Biophysical Features**

**Ilva Trapiņa**  
University of Latvia

**From genome to prediction tool**

**Toms Beinerts**  
University of Latvia

**From Magnetohydrodynamic Research to Commercial Impact in Aluminium Metallurgy: A Journey Through Industrial Conservatism, Costly Prototyping, and Explosive Setbacks**

**Jānis Jaško**  
University of Latvia

**The Use of Lasers for Weed Control – from the Laboratory to the Field**

**Poster pitches**

**14.30–15.00 Coffee break, discussions**

## 15.00 – 17.10 Session 2

### “Emerging Science: Shaping Tomorrow’s Technologies”

Chair: Assoc. prof., Dr. Tatjana Glaskova-Kuzmina, University of Latvia

**Jana Andžāne**  
University of Latvia

**Powering your smartwatch using your own body temperature: Myth or reality?**

**Vanda Voikiva**  
University of Latvia

**Processing of livestock by-products**

**Juris Prikulis**  
University of Latvia

**A Hybrid Wired/Wireless TM/TC Platform with Microsecond Timing for Scientific Instrumentation**

**Artūrs Brēķis**  
University of Latvia

**Thermoacoustic power generation technologies – opportunities for energy harvesting**

**Armands Baranovskis**  
Double Helix

**From Data to Precision: Promise and Uncertainty in AI-Enabled Healthcare**

**Rūdolfs Jānis Zvirbulis/  
Andrejs Pupurs**  
Riga Technical University

**Application of electromagnetic induction curing for manufacturing of hybrid carbon/glass fiber composites**

**Rūdolfs Grāvītis**  
Riga Technical University,  
Faculty of Natural Sciences  
and Technology

**Dynamic Crosslinking of PBAT with Epoxidized Linseed Oil: Assessing Network Formation and Thermal Stability Trade-Offs**

**Andrejs Krauklis**  
Latvia University of Life  
Sciences and Technologies

**Decoding Environmental Drivers of Fiber Dissolution: Toward Predictive Tools for Durable Composite Technologies**

**Artis Krikovs**  
Riga Technical University

**Carbon nanotube-g-Fe<sub>3</sub>O<sub>4</sub> and Poly(butylene succinate-co-adipate) composites with enhanced functional properties**

**Oļegs Osmjaks**  
Riga Technical University

**Sustainable Linen Fibre-Reinforced Thermoset Composites: Processing and Mechanical Performance**

17.00–17.10

**Conclusion (Assoc. prof., Dr. Gunita Deksnė, Director of Innovation and Acceleration Centre)**

Poster  
presentation

**Roberts Kits**  
University of Latvia

**Deterrence by Punishment through Military Innovation: The Case of Latvia**

Poster  
presentation

**Elita Zondaka**  
Doctoral student

**Valorization of research results and obstacles in Latvia: problem analysis and possible solutions**

Poster  
presentation

**Stanislav Stankevich**  
Institute for Mechanics of  
Materials

**Neural-network-based electrical impedance tomography for damage detection in mxene coatings**

Poster  
presentation

**Maksym Pogorielov**

**MXene-based targeted anticancer therapy**

Poster  
presentation

**Maksym Pogorielov**

**Advanced biodegradable electrospun chitosan-based hemostatic dressings for dual-use trauma and surgery**

Poster  
presentation

**Pavlo Shubin**  
University of Latvia, ASI

**Core-Shell Electrospun Membrane for Local Delivery of VEGF-Loaded Liposomes**

Poster  
presentation

**Ivan Grinevich**  
Inventors Society

**3D-printed drones**

Poster  
presentation

**Ruslans Kačanovs**

**Preformulation of naproxen-polymer-solvent system in amorphous solid dispersion**