



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-Fe₃O₄ 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 Deksnē, 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
University of Latvia, ASI

MXene-based targeted anticancer therapy

Poster presentation

Maksym Pogorielov
University of Latvia, ASI

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

Rihards Gaiķens, Ivans Griņevičs, Elmārs Baltiņš
Zolitūde Gymnasium,
University of Latvia, Latvian
Inventors Association,
European Inventor Network

UAV by Zolitūde Gymnasium Student Rihards Gaiķens

Poster presentation

Ruslans Kačanovs
University of Latvia

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