

International Engineering Conference

28 November 2024, Riga, Latvia

Venue: Kipsala International Exhibition Centre, Conference Room 3

Working language: English (with simultaneous interpretation into Latvian)

10.00–11.00 Registration and morning coffee

11.00–11.15 Opening of the International Engineering Conference

Moderator: Kristaps Tālbergs

- Solvita Gulbe, Deputy Director of Foreign Trade Promotion Department at the Investment and Development Agency of Latvia (LIAA)
- Ivars Eniņš, Chairman of the Council of the Latvian Association of Mechanical Engineering and Metalworking Industries (MASOC)

11.15–11.35 From competitive – less to competitiveness: Europe's technology industries at the dawn of a new political era

- Olivier Janin, Deputy Director General of ORGALIM (Belgium)

11.35–12.45 Panel discussion Challenges and Development Directions for the Baltic and other European countries' Mechanical Engineering Industries

- Olivier Janin, Deputy Director General of ORGALIM (Belgium)
- Alberto Carpinetti, Director of ACTION (Italy)
- Hanne Mikkonen, Economist at the Technology Industries of Finland
- Ivars Eniņš, Chairman of the Council of MASOC
- Darius Lasionis, Director of the Engineering and Technology Industries Association of Lithuania (LINPRA)
- Andri Haran, Executive Director of the Federation of Estonian Engineering Industry

13.00–13.30 Official opening ceremony of Tech Industry 2024 (Hall 2)

- Raivis Bremšmits, Deputy State Secretary on Economic Issues, Ministry of Economics of Latvia
- Ieva Jāgere, Director of LIAA
- Toms Grīnfelds, Chairman of the Board of MASOC
- Viesturs Tile, Chairman of the Board of the International Exhibition Company BT 1
- Kardijs Broks, Tech Industry Project Manager

13.30–14.30 Lunch (Conference Room 1)

14.30–16.40 Innovation presentations from Latvian Engineering Industries

State Support for Latvian Competence Centres

- Raivis Bremšmits, Deputy State Secretary on Economic Issues, Ministry of Economics of Latvia

Achievements and Development Prospects of Latvian Competence Centres

- Vitālijs Skrīvelis, Member of the Board of PharmIdea, CoB of the Latvian Competence Centre of Pharmaceutical, Biomedical and Medical Technologies

14.45–14.55 Competence Centre of Pharmaceuticals, Biomedicine and Medicinal Technologies

SINAPSE – Computer vision-based tool for acute ischemic stroke detection in non-enhanced CT

- Līna Briņģe, Project Manager at APPLY

Development of therapeutic recommendations for the daily skin care of psoriasis patients, with active ingredients of natural origin, encapsulated in cosmetics, and development of its production technology

- Līga Brūniņa, Creator and owner of the cosmetics brand LABRAINS

15.00–15.10 Mechanical Engineering Competence Centre

The robots are coming. Is it a danger or a rescue?

- Roberts Dlohi, Member of the Board of Peruza

Automated solutions for wind park maintenance

- Jānis Putrāms, Co-Founder & CTO at Aeronex

15.15–15.25 Forest Sector Competence Centre

Research and development of modular, next-generation wood scanner technologies

- Gundars Kuļikovskis, CoB of Zippy Vision

Automatisation of timber stack measurement

- Ivars Kalmuks, Member of the Board of Koksnes plūsmas datu centrs
- Jānis Buļs, Chairman of the Board at VMF Latvia

15.30–15.40 Competence Centre of Electrical and Optical Equipment Production Sector of Latvia – LEO Pētījumu Centrs

From Materials to Medicine: Adapting Scientific Instruments for Cancer Research

- Aiga Andrijanova, AI researcher at APPLY

15.45–15.55 Competence Centre for Intelligent Materials and Technologies

Adaption of 3D printing technology for aerospace production

- Elīna Vīndedze, Research and Development Project Manager at AM Craft

The synthesis of a new chemical substance for an industrial product: the path from idea to realization

- Dr.sc.ing. Zane Grigale-Soročina, Manager of the Research Fund, Kinetics Nail Systems

16.00–16.10 Energy and Transport Competence Centre

Leveraging newest AI models to help companies win more tenders in the EU

- Georgs Vardanjans, Member of the Board of Sorsera

Advanced unmanned systems in response to Europe's growing security treats

- Agris Ķipurs, Member of the Board of Origin Robotics

16.15–16.25 IT Competence Centre

Multilingual semantic search and question answering solution for enterprises

- Mārcis Pinnis, Chief AI Officer of TILDE

Development of a method for analysis and automatic grouping of information system users with similar behavior, using an AI/ML approach

- Dr.sc.ing. Oksana Nikiforova, Professor at Riga Technical University and Project lead at ABC software

16.30–16.40 Food Industry Competence Centre of Latvia

Use of legumes in the development of high-protein RTE segment products, improving the structural-mechanical properties of the products and addressing the legume aftertaste

- Alise Graci, Chairman of the Board of "FELICI"
- Ivars Orlovs, Research & Development and Quality Director of "Aloja Starkelsen"

16.40–16.50 Sustainable steel materials from SSAB and Finnish sheet metal industry

- Juha Tuomisto, Technical Development Manager at SSAB Europe; Chairman of the Group of the Technology Industries of Finland, Sheet Metal Product Group

16.50–17.00 Marcegaglia in the Baltics: harnessing local expertise for global success

- Julie Ingram, Sales Director of Marcegaglia Poland

17.00–19.00 Tech Industry 2024 Business and Innovation Forum Reception (Conference Room 1)

10.00–18.00 Networking place for new business (Hall 1 Balcony)