

SMART MATERIALS AND PHOTONICS

A proven ecosystem for advanced electronics and photonics

Subsectors in numbers:

>3,5

Billion annual
turnover

10%

Share of Electronics industry
value-added in GDP

2

space missions featuring
Latvian technologies: Lunar
Gateway and ESA Hera

65+

Years on Semiconductor's
Market (ALFA RPAR JSC)

2

World records in Silicon
photonics technologies for high-
speed optical interconnects

A scalable talent pipeline for advanced manufacturing and deep-tech growth



37 000+ specialists

Electronics, photonics, and
sensor-related fields



#1 among OECD

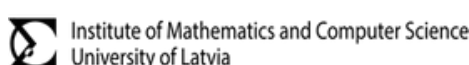
by the share of women in science,
technology and innovation.



~19 000 students

Engineering, manufacturing
and construction fields (2024)

Sector Relevant Education Institutions and Initiatives in Latvia



Forums



Techchill

The leading tech and
startup event in the Baltics
for innovation leaders.

📍 Riga



Deep Tech Atelier

The most significant deep tech event in
the Baltics, where science, startups, and
global investors meet.

📍 Riga



ABSL Latvia Conference

The main event for Latvia's business
services sector. Focuses on digital
transformation, AI, and automation.

📍 Riga



Techtritory

An international forum on technologies
and digitalisation in the EU.

📍 Riga



Baltic Security Conference

Focuses on key topics like
defence, cybersecurity, and
military technology, and
emerging threats, NATO
strategies, and
innovation in defence.

📍 Riga

2026

March

May

June

October

November

Industry leaders

