



Co-funded by
the European Union



DIGITRANS Student School

Digital Transformation of Engineering Education for Sustainable University–Enterprise Engagement

ERASMUS+ CBHE Project DIGITRANS

Riga Technical University (RTU), Zundas Str. 8 and Azenes iela 12/1, Riga, Latvia
12–16 January 2026

DAY 1 – MONDAY, 12 JANUARY 2026 (Joint morning with Workshop & MC)

109 room, Zundas Str. 8.

09:00–09:30 Registration and Welcome Coffee (joint with Workshop & MC Meeting)

09:30–10:00 Opening Session – RTU Management and Project Coordinator

10:00–11:15 Introduction to the DIGITRANS Student School (structure, outcomes, project-based work)

Azenes 12/1, Room 525 and lab 219

11:15–11:30 Coffee Break

11:30–13:00 RTU: Prof. Nadežda Kuņicina **and the Laboratory 219 manager**. Classroom sessions: digital transformation in engineering education; group formation; project topics.

13:00–14:15 Lunch Break

14:30–15:15 Visiting od Dizaina factory SkyLAB <https://www.youtube.com/watch?v=2zKy5WNSvAE>
Dr. Elina Mikelsonsone

15:15 – 16:30 Robot test flight Dr. Armands Senfelds, Pavels Maksimkins & Andrejs Stupans
Laboratory house <https://www.lsm.lv/raksts/dzive--stils/tehnologijas-un-zinatne/21.03.2023-rtu-robots-simule-lidosanu-ved-leja-pa-siguldas-trasi-un-palidz-petit-cilvekus.a501690/>

16:30–17:00 Coffee Break

17:00–18:00 Student laboratory work (continued)

DAY 2 – TUESDAY, 13 JANUARY 2026

Room 525



Co-funded by
the European Union



09:00–10:30 RTU lecture – Prof Ilja Galkins, Introduction to programmable logic chips

10:30–10:45 Coffee Break (fully aligned with Workshop & MC Meeting)

10:45–12:45 Classroom sessions:

- LNTU, Prof Valerii Dembitskyi: lecture on Digital Soft Skills for Engineers;
- CPNU, Prof Volodymyr Kazymyr: lecture (topic to be confirmed)

Room 525 and lab 219

13:00–14:00 Lunch Break

14:00–15:30 KTU Lecture – Prof. Rasa Bruzgiene: From Strategy to Simulation: Fortifying Cybersecurity in Industry X **Room 522**

15:30–15:45 Coffee Break

15:45–17:00 Student laboratory work (continued)

DAY 3 – WEDNESDAY, 14 JANUARY 2026

Room 525

09:00–10:30 KTU session – asoc. prof. Rasa Bruzgiene, Table-top game with integrated AI agent “NOrisk” (cybersecurity simulation exercise) **Room 522**

10:30–10:45 Coffee Break

10:45–12:45 KTU Assist. prof. dr. Dangis Rimkus and Assist. prof. dr. Donatas Sandonavičius. Cyber security for everyone. Lecture, theory. **Room 522**

12:45–13:00 Guided discussion and Q&A

13:00–14:00 Lunch Break

14:00–15:30 RTU Dr Ansis Avotiņš: Introduction to energy efficient LED lighting systems. Lecture.

15:30–15:45 Coffee Break

Room 525

15:45–17:15 RTU: Assoc.prof. Nadezda Zenina Intelligent Transportation Systems role in supporting the development of smart city

17:15- 18:00 Student laboratory work 219



Co-funded by
the European Union



DAY 4 – THURSDAY, 15 JANUARY 2026

Room 525 and lab 219

09:00–11:00 Assist. prof. dr. Donatas Sandonavičius, Topic 3. "Social IT Security: Detecting and Preventing Scams and Phishing Attacks", 90min. theory. **Room 522**

11:00–11:15 Coffee Break

11:15–13:00 KhNAHU, Andrii Hnatov, Lecture: History of Electric Vehicles and Hybrids. Electric Vehicles Classification

13:00–14:00 Lunch Break

14:00–15:30 Student laboratory work: finalisation of prototypes; preparation for Student Pitch

15:30–15:45 Coffee Break (students)

15:45–17:00 Pitch coaching and final preparations

DAY 5 – FRIDAY, 16 JANUARY 2026

Room 525 and lab 219

09:00–11:00 Final classroom sessions: RTU, prof Ingars Steiks - Kuka robot (lecture + laboratory)

11:00–11:15 Coffee Break

11:15–13:00 Final classroom sessions: RTU, prof Ingars Steiks - Kuka robot (lecture + laboratory)

13:00–14:00 Lunch Break

14:00–16:00 STUDENTS PITCH SESSION: presentation and defense of innovative prototypes

16:00–17:00 Closing of the DIGITRANS Student School; awarding of Certificates of Attendance