

Program BIP PWr 24-28.04.2023

Monday - Day 1 (24.04.2023)

09:00 - 09:30 Welcome to Wrocław – BIP Opening (class 2.36, building B4)

09:30 - 11:00 Method of reconfiguration of the planned timetable, taking into account the resilience of the rail transport system. (Lec.) (class 2.36, building B4)

11:00 - 11:30 Break

11:30 -13:00 Simulation tools supporting modeling of railway traffic (B8 building)

13:00 - 15:00 Lunch break

15:00 - 16:30 Railway traffic risk analysis based on probabilistic tools (B8 building)

Tuesday - Day 2

10.00 – 13.00 Visiting Wrocław (meeting point: main entrance to building B4, 5 Łukasiewicza St.)

13.30 – 15.30 Lunch break

15.30 – 18.00 Visiting Wrocław ZOO, (at 15.00 meeting point: main entrance to building B4, 5 Łukasiewicza St.)

19.00 - 21.00 – Dinner Spiz Restaurant (Town Hall Square 2, Wrocław)

Wednesday - Day 3

9.30 – 11.00 Experimental-numerical approach in fatigue lifetime assessment (class 316, building B1)

11.00 – 11.30 Break

11.30 – 13.00 Fatigue lifetime prediction of railway metallic components (Lec.) (class to be announced later)

13.00 – 15.00 Lunch break

15.00 – 16.30 Case study analysis: fatigue failures and improvements (laboratory 111, building B1)

Thursday - Day 4

9.30 – 11.00. Pneumatic and hydraulic systems in railway applications (Horn and Whistle Control System, Electro-Pneumatic Pressure Regulator, Pantograph Control Systems, Internal Door Systems) (laboratory L8-1/L8-2, building B5)

11.00 – 11.30 Break

11.30 – 13.00 Vibroacoustic signals in the hydraulic systems of transport vehicles. (Lec.) (class 4, building B5)

13.00 – 15.00 Lunch break

15.00 – 16.30 Vibroacoustic diagnostics in railway pneumatic systems (laboratory L8-1/L8-2, building B5)

Friday - Day 5 (28.04.2023)

9.30 – 10.00 Wrap - up

10.00 – 12.00 Student Presentations (15 minutes per team) (class 117, building B1)

12.00 – 13.00 Closing ceremony (class 117, building B1)

13.00 – 15.00 Lunch break

Attention:

1. Participants' lunches start at 1.45 p.m. Venue: SKS PWr, building C-18, 10 Wrońskiego St.

2. Contact persons:

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