Training school in Ostrava (FABEST LCF) – preliminary program

Day 1 – Tuesday 28.07.2026

Assembly Hall (UA3), VSB-Technical University of Ostrava, scan for navigation:

08:30–9:00 – Participants registration

9:00–9:30 – Opening ceremony / R. Halama, greetings from university/faculty leadership

9:30–10:30 – Training session / R. Halama – Introducing FABEST LCF rules and fatigue data (calibration set)

10:30–10:45 – Coffee Break

10:45–11:30 – Training session / R. Halama – Uniaxial and multiaxial low-cycle fatigue testing

11:30–12:00 – Presentation of DIC sponsor

12:00–13:00 – Lunch

13:00–14:00 – Lecture 1 / Ł. Pejkowski - Multiaxial LCF including non-standard strain paths

14:00–14:45 – Training session / R. Halama – Python codes for evaluation of LCF tests

14:45 –15:00 – Coffee Break

15:00–16:00 – Lab Tour at Faculty of Mechanical Engineering

16:00–17:00 – Training session / R. Halama – Classic cyclic plasticity models

17:00–17:30 – Lecture 2 / Ł. Pejkowski – Calibration of Chaboche model

17:30–19:00 – Welcome reception

Day 2 – Wednesday 29.07.2026

Assembly Hall (UA3), VSB-Technical University of Ostrava

8:30–9:30 – Training session / SVS FEM – Calibration of material models using optiSLang

9:30–10:15 – Lecture 3 / F. Šebek – Advanced cyclic plasticity models

10:15–10:30 – Coffee Break

10:30–11:30 – Lecture 4 / N. Khutia – Modeling of mean stress relaxation

11:30–12:30 – Lunch

12:30–14:30 – Training session / R. Halama – Implementation of cyclic plasticity models into FE codes

14:30 –15:00 – Coffee Break

15:00–16:30 – Lecture 5 / S. A. Karamanos - Bounding surface models

16:30–18:00 – Visit of Dolni Vitkovice area

19:00–22:00 – Dinner

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Day 3 – Thursday 30.07.2026

Assembly Hall (UA3), VSB-Technical University of Ostrava

9:00–10:00 – Training session / R. Halama – Uniaxial LCF criteria and FABEST LCF category B

10:00–10:15 – Coffee Break

10:15–11:00 – Training session / ÚJV Řež – Application of cyclic plasticity modeling and LCF predictions in UJV Řež

11:00–12:00 – Training session / R. Halama – Multiaxial LCF criteria

12:00–13:00 – Lunch

13:00–14:30 – Lecture 6 / I. Hong – Ratcheting failure

14:30 –14:45 – Coffee Break

14:45–15:45 – Training session / R. Halama – Jiang criterion and its calibration

15:45–16:00 – Closing

Contact information:

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