



10:00	Opening of the Event
10:15	InnoLAB in brief
10:30	Ice-breaker activities
11:00	Break
11:15	Plenary Talk 1: Process intensification Prof. Tapio Salmi, Abo Akademi University, Laboratory of Industrial Chemistry and Reaction Engineering.
12:15	Case Study 1: Methanol production DiplIng. Albrecht Irrgang and Dr. Stefan Frölich, Dresden University of Applied Sciences
13:00	Lunch break
14:00	Expert Talk 1: Toward Sustainable Polyurethane Foams: Trends and Challenges under the Green Deal Framework Dr. Letizia Verdolotti, IPCB-CNR
14:45	Case Study 2: Sugar alcohols synthesis from sugar monomers Prof. Tapio Salmi, Abo Akademi
15:30	Break
15:45	Case Study 3: Process intensification to overcome the thermodynamic limitations of chemical reactions Prof. Martino Di Serio, University of Naples Federico II
17:00	Closing













06.05.2025

9:15	Opening
9:30	Case Study 4: Fischer-Tropsch synthesis Prof. Stefan Haase, Dresden University of Applied Sciences
10:00	Case Study 5: Removal of emerging pollutants from wastewater Prof. Vincenzo Russo, University of Naples Federico II
10:45	Break
11:00	Plenary Talk 2: Sustainability and Life Cycle Assessment Prof. Raffaele Cucciniello, University of Salerno, Department of Chemistry and Biology "Adolfo Zambelli".
12:00	Expert Talk 2: Novel technologies for wastewater treatment Prof. Raffaele Cucciniello, University of Salerno, Department of Chemistry and Biology "Adolfo Zambelli".
12:30	Case Study 6: Biogas production from waste biomass M. Tech. Pragya Singh, IIT Ropar/Dresden University of Technology
13:15	Lunch break

Free afternoon/ City visit













9:15	Opening
9:30	Case Study 7: Carbon capture from gaseous effluents DrIng. Sara Marchini, Dresden University of Technology
9:50	Expert Talk 4: Carbon capture in off-shore conditions M.Sc. Martina Zabatta, Department of Chemical, Materials and Production Engineering, University of Naples Federico II
10:15	Expert Talk 5: Overview on Carbon Capture, with focus on Bluenzyme™ Dr. Laura Pirro, CCUS Solution Manager, Saipem
10:45	Break
11:00	Expert Talk 6: Advanced measurement techniques for chemical reactors Prof. Markus Schubert, Dresden University of Technology
11:45	Case Study 8: Vegetable oil epoxidation: from the industrial process to novel developments Prof. Rosa Turco, University of Naples Federico II and Dr. Pasi Tolvanen, Abo Akademi
12:30	Expert Talk 7: Environmental catalysis: development of novel catalysts for mobile and stationary applications Dr. Luciana Lisi, STEMS-CNR
13:15	Lunch
14:15	Expert Talk 8: Sustainability for chemical processes Dr. Yuri Sneider, MARIMONT
15:00	Expert Talk 9: Advanced reactor modelling Prof. Johan Warna, Abo Akademi













15:45 Workshop: Reactor modelling with Matlab

Prof. Riccardo Tesser, University of Naples Federico II

16:45 Closing

Dinner Event













9:30	Opening
9:45	Plenary Talk 3: Digitalization in Chemical Process Engineering Prof. Francesco Di Natale, University of Naples Federico II, Department of Chemical, Materials and Production Engineering.
10:45	Expert Talk 10: Machine learning applied to a gas scrubbing process Dr. Ing. Luigi Piero Di Bonito, Department of Chemical, Materials and Production Engineering, University of Naples Federico II
11:30	Break
11:45	Expert Talk 11: Fischer-Tropsch synthesis and Power-to-Liquid processes M.Sc. Maximilian Medicus, Fraunhofer IKTS
12:15	Expert Talk 12: Biopolymers and Waste Biomass Valorization: Case Studies on Circular Economy Approach Dr. Gabriella Santagata, IPCB-CNR
13:00	Lunch
14:15	Expert Talk 13: Microdevices for process intensification Prof. Jürgen Brandner, Karlsruhe Institute of Technology (KIT)
15:00	Expert Talk 14: Utilization of the 4 th State of Matter: Plasma as a Game Changer for e-Fuels Dr. Martin Kellert, Refuel.green consulting & technologies
15:45	Break
16:00	Workshop: case study development in groups
17:45	Closing













9:30	Opening
9:45	Expert Talk 15: Analytics for water control Dr. Francesco Troisi, Natura Srl
10:30	Break
11:30	Workshop: case study development in groups
13:15	Lunch
14:15	Group presentations and next steps
16:00	Evaluating students' engagement in bio-energy project-based learning: a project from IIT Ropar, India. M. Tech. Pragya Singh, IIT Ropar/Dresden University of Technology
16:30	Closing of the Event







