

| Location      | Day          | Time slot     | Title  | Lecturer                                    | Affiliation   |   |
|---------------|--------------|---------------|--|---|---|---|
| room B1.1.14  | Mon 23.03.26 | 9:00 - 10:00  | Welcome and Introduction   | Prof. Franco Concli                         | Free University of Bolzano (Faculty of Engineering) - Italy   |   |
|               |              | 10:15 - 13:00 | Introduction to Tribology and Lubrication  | Dr. Lorenzo Maccioni                        | Free University of Bolzano (Faculty of Engineering) - Italy   |   |
|               |              | 13:00 - 14:00 | Lunch Break  |   |   |   |
|               |              | 14:00 - 16:00 | Digital twin/technologies in the automotive sector   | Prof. Wim De Roeck                          | KU Leuven (Department of Mechanical Engineering) - Belgium  |   |
|               |              | 16:15 - 17:30 | Sustainability in the automotive sector: aims, attitudes and adaptations                   | Prof. Joshua Lacey                          | KU Leuven (Department of Mechanical Engineering) - Belgium  |   |
| room B1.1.14  | Tue 24.03.26 | 08:00 - 10:00 | Contribution to Sustainability by Simulation in Rolling Bearing Technology                 | Prof. Oliver Koch                           | RPTU Kaiserslautern-Landau (Department of Mechanical and Process Engineering) - Germany   |   |
|               |              | 10:15 - 12:15 |  |   |   |   |
|               |              | 12:15 - 13:30 | Lunch Break  |   |   |   |
|               |              | 13:30 - 15:30 | Gears  | Prof. Carlo Gorla                           | Politecnico di Milano (Dipartimento di Meccanica) - Italy   |   |
|               |              | 15:45 - 17:45 | Thermographic diagnostics for sustainable gears characterisation in automotive drivetrains | Dr. Luca Corsaro                            | Politecnico di Torino (Dipartimento di Ingegneria Meccanica e Aerospaziale)/Politecnico di Torino (Dipartimento di Meccanica) - Italy |   |
| room B1.1.14  | Wed 25.03.26 | 08:00 - 10:00 | Lightweight design methods in structural mechanics   | Prof. Giorgio De Pasquale                   | Politecnico di Torino (Dipartimento di Ingegneria Meccanica e Aerospaziale) - Italy   |   |
|               |              | 10:15 - 12:15 |  |   |   |   |
|               |              | 12:15 - 13:30 | Lunch Break  |   |   |   |
|               |              | 13:30 - 15:30 | Workshop   | Prof. Franco Concli                         | Free University of Bolzano (Faculty of Engineering) - Italy   |   |
|               |              | 15:45 - 17:45 |  | Dr. Lorenzo Maccioni / Dr. Lorenzo Pagliari | Free University of Bolzano (Faculty of Engineering) - Italy   |   |
| room B1.1.14  | Thu 26.03.26 | 08:00 - 10:00 | Industrial Automation  | Prof. Amelie Chevalier                      | Univserity of Antwero (Faculty of Applied Engineering) - Belgium  |   |
|               |              | 10:15 - 12:15 | Topic to be defined  | Dr. Lorenzo Pagliari                        | Free University of Bolzano (Faculty of Engineering) - Italy   |   |
| 12:15 - 13:30 |              | Lunch Break   |  |   |   |   |
| room A2.2.32  |              |               | 13:30 - 15:30  | Workshop                                    | Prof. Franco Concli   | Free University of Bolzano (Faculty of Engineering) - Italy |
|               |              | 15:45 - 17:45 | Dr. Lorenzo Maccioni / Dr. Lorenzo Pagliari  |   | RPTU Kaiserslautern-Landau (Department of Mechanical and Process Engineering) - Germany   |   |
| NOI BRUNICO   | Fri 27.03.26 | 07:30 - 09:00 | Arrival Brunico (transfer by bus organized by unibz)                                       |   |   |   |
|               |              | 09:00 - 09:15 | Welcome NOI Brunico  |   |   |   |
|               |              | 09:15 - 10:00 | Why Sustainable Manufacturing?   | Prof. Erwin Rauch                           | Free University of Bolzano (Faculty of Engineering) - Italy   |   |
|               |              | 10:00 - 10:45 | Energy Efficiency through Energy Audits  | Dr. Marwa Ben Ali                           | Free University of Bolzano (Faculty of Engineering) - Italy   |   |
|               |              | 10:45 - 11:30 | Circular Economy Guidelines and Examples   | MSc. Johanna Kargruber                      | Free University of Bolzano (Faculty of Engineering) - Italy   |   |
|               |              | 11:30 - 12:00 | Digital Process Automation in Automotive   | Leonhard Holzner                            | Abuscom   |   |
|               |              | 12:00 - 13:30 | Lunch Break  |   |   |   |
|               |              | 13:30 - 14:00 | Transfer to Companies  |   |   |   |
|               |              | 14:00 - 16:15 | Company Visits: Intercable - GKN Driveline - GKN Sinter Metals - Euroclima (4 groups)      | together with guides from UNIBZ             | Companies   |   |
|               |              | 16:15 - 17:45 | Transfer to Bolzano (transfer by bus organized by unibz)                                   |   |   |   |