

Hours in Rome timezone (UTC+1)

3:15PM-4:00PM

4:00PM-5:45PM

5:45PM-7:30PM

7:30PM-9:15PM

Industrial Engineering
 Information Engineering
 Law and Ethics
 Transversal knowledge and skills

gio, 17 nov 2022	Welcome and organization Vittorio Ravaglioli	Automotive basics - development process and intellectual property Francesco Leali - UniMoRe	Decision making for safety-critical autonomous vehicles Marco Pavone - Stanford University	Principles of vehicle dynamics Alexander Schramm - PACCAR Inc
ven, 18 nov 2022		The necessity of creativity Giovanni Emanuele Corazza - UniBo	Automotive basics - vehicle layout Andrea Petruccioli - UniMoRe	Intro to connected vehicles Alessandro Bazzi - UniBo
sab, 19 nov 2022 dom, 20 nov 2022				
lun, 21 nov 2022		Chassis design: virtual delivery and type approval test Sara Mantovani - UniMoRe	Introduction to powertrain modeling and control - I Nicolò Cavina - UniBo	Introduction to powertrain modeling and control - II Nicolò Cavina - UniBo
mar, 22 nov 2022		Energy Modeling, Simulation, Optimization and Control of Advanced Vehicles - I Giovanni Franceschini - UniMoRe	Energy Modeling, Simulation, Optimization and Control of Advanced Vehicles - II Davide Barater - UniMoRe	Energy Modeling, Simulation, Optimization and Control of Advanced Vehicles - III Davide Barater - UniMoRe
mer, 23 nov 2022		The new regulatory challenge for autonomous vehicles: focus on civil liability issues Isabella Ferrari - UniMoRe	The Role of innovative combustions in mobility Kalyan Srinivasan - University of Alabama	Synthetic fuels Kalyan Srinivasan - University of Alabama
gio, 24 nov 2022		Cloud and slicing for automotive Carla Raffaelli, Walter Cerroni - UniBo	Optimization based Maneuvering and Coordination of Autonomous Vehicles Giuseppe Notarstefano - UniBo	Introduction to advanced manufacturing Elena Bassoli - UniMoRe
ven, 25 nov 2022		Advanced manufacturing technologies - I Elena Bassoli - UniMoRe	Advanced manufacturing technologies - II Pollution, vehicle emissions and unfair practices. Dieselgate	Advanced manufacturing technologies - III Elena Bassoli - UniMoRe
sab, 26 nov 2022 dom, 27 nov 2022				
lun, 28 nov 2022		Low carbon vehicles in FoA Alberto Bellini - UniBo	Automotive and private law Enrico Al Mureden - UniBo	Safety rules and liability rules between traditional cars and driverless cars Enrico Al Mureden - UniBo
mar, 29 nov 2022		Automotive sensors Sabrina Conoci - UniMe/STM	Pollution, vehicle emissions and unfair practices. Dieselgate Matteo De Pamphilis - UniBo	Liability in highly automated transport systems: a sociotechnical analysis Giuseppe Contissa - UniBo
mer, 30 nov 2022		Short-range vehicular connectivity Vincent Martinez - NXP	5G for automotive Riccardo Trivisonno - Huawei Technologies Germany	Design challenges & opportunities for electric mobility Claudio Rossi - UniBo
gio, 1 dic 2022		Interaction engineering for automotive Roberto Montanari - RE:LAB	Topology optimization for advanced manufacturing Massimiliano de Agostinis - UniBo	Fatigue behaviour of advanced manufactured parts Massimiliano de Agostinis - UniBo
ven, 2 dic 2022		Sustainability in Motorsport - The 2026 F1 Regulations Carlo Bussi - Ferrari GeS	Python for data management and ML in automotive Alex Marchioni - UniBo	Python for data management and ML in automotive Alex Marchioni - UniBo
sab, 3 dic 2022 dom, 4 dic 2022				
lun, 5 dic 2022		Ethical issues in autonomous vehicles Giovanni Sartor - UniBo	Soft skills and project management - I Roberto Verdone - UniBo	Soft skills and project management - II Roberto Verdone - UniBo
mar, 6 dic 2022		Optimization in the future of mobility Daniele Vigo - UniBo	FoA and antennas Andrea Notari - ASK industries	Legal clinic on the Tesla case Emanuela Maio - UniPr
mer, 7 dic 2022		Alternative Powertrains for Future Sports Cars - I Daire Corrigan - Ferrari GT	Alternative Powertrains for Future Sports Cars - II Daire Corrigan - Ferrari GT	In vehicle connectivity Carlo Augusto Grazia - UniMoRe