

First Train-the Trainer Module at University of Montenegro, Montenegro

Agenda

Project title: International Engineering Competence Centres to push Sustainable Mobility Development in Albania and Montenegro

Acronym: INTEC

Work package	Title
WP6	Train-the-trainer Modules & Internal Train-the-trainer Sessions
TASK	Title
6.2	Train-the trainer Modules-Training 1

Dates	23 th -26 th April 2024 (Arrival date: 22 nd April, Departure date: 26 th April)
City	Podgorica, Montenegro
Meeting venue	University of Montenegro, Podgorica
Address	Cetinjska 2, Podgorica

Tuesday, 23 th April 2024		
Venue: University of Montenegro, The Building of Technical Faculties, 2 nd floor, Room 224		
09:30-10:00	DGTRANS participants registration	
First Session - Opening (Open for academic public and press)		
10:00-10:30	Welcome speeches	Prof Dr Radoje Vujadinović, Dean of Faculty of Mechanical Engineering, UoM
Second Session - Training for Trainer		
10:30-11:00	Coffee break	
11.00-11.45	Low temperature PEM fuel cells – principle of operation	Ivan Tolj, University of Split
11.45-12.20	PEM fuel cells - thermodynamics	Ivan Tolj, University of Split
12:20-12:55	PEM fuel cells electrochemistry	Ivan Tolj, University of Split
12:55-13:30	PEM fuel cells stack components	Ivan Tolj, University of Split

13:30-14:30	Lunch break: Restaurant Bar “Desetka” - Ground floor of the building of Technical Faculties	
Third Session Training for Trainer		
14:30-15:15	Fuel cell operating conditions	Ivan Tolj, University of Split
15:15-16:00	Fuel cell systems BoP (balance-of-plant)	Ivan Tolj, University of Split
16:00-16:45	Development of fuel cell powered forklift and its refuelling station	Ivan Tolj, University of Split
16:45-17:00	Discussion and conclusions of the first day	All participants

Wednesday, 24th April 2024		
Venue: University of Montenegro, The Building of Technical Faculties, 2nd floor, Room 224		
10:00 - 10:30	INTEC participants registration	
Fourth Session - Training for Trainer		
10:30 - 11:30	Energy transition for greener transport	Gojmir Radica, University of Split
11:30 - 12:00	Coffee break	
12:00 - 13:00	Role of the Hydrogen and Decarbonization of Transport	Gojmir Radica, University of Split
13:00 - 14:00	Hybrid energy systems – principle of operation	Gojmir Radica, University of Split
14:00-15:00	Lunch break: Restaurant Bar “Desetka” - Ground floor of the building of Technical Faculties	
Fifth Session - Training for Trainer		
15:00 - 15:40	Vehicle propulsion system modelling and optimization	Gojmir Radica, University of Split
15:40 - 16:20	Simulation of commercial vehicle realistic driving cycle with auxiliary loads powered by PEM Fuel Cell	Gojmir Radica, University of Split
16:20 - 17:00	Vehicle monitoring and diagnostics	Gojmir Radica, University of Split
17:00 - 17:15	Discussion and conclusions of the second day	All participants

Thursday, 25th April 2024		
Venue: Laboratory of Faculty of Mechanical Engineering, University of Montenegro		
Sixth Session - Training for Trainer		
Laboratory visit		
09:15-09:30	Participants registration	
09:30 - 11:30	Visit to vehicle testing laboratory Laboratory for vehicle diagnostics	All partners (meeting point in front of the building of Technical Faculties)
11:30-12:00	Coffee break	
12:00-14:00	Laboratory for electric mobility and road safety	All partners (meeting point in front of the building of Technical Faculties)
14:00 - 15:00	Lunch break: Restaurant Bar "Desetka" - Ground floor of the building of Technical Faculties	
Seven Session		
- Training for Trainer		
Venue: University of Montenegro, The Building of Technical Faculties, 2nd floor, Room 224		
15:00 - 15:30	VIBRATION THEORY–Motivation and introduction	Damir Sedlar, University of Split
15:30 - 16:00	VIBRATION THEORY–Modeling	Damir Sedlar, University of Split
16:00 - 16:30	VIBRATION THEORY–Modal analysis	Damir Sedlar, University of Split
16:30 - 17:00	VIBRATION THEORY–Operation deflection shapes	Damir Sedlar, University of Split
17:00 - 17:15	Discussion and conclusions of the First Train-the Trainer Module	All participants

Friday, 26th April 2024		
Venue: Rokšped Auto Centar, Josipa Broza Tita 30, 81000 Podgorica (https://www.rautocentar.com/)		
Site visit		
10:00-12:00	Site visit	