

Report on Training Workshop Activities: Training for Students @ University of L'Aquila

Event type	Training Workshop for Students @ University of L'Aquila – ITALY
WP Number	3.3
WP Leader	NTUA
Event date	11-22 September 2023
Number of Participants	3
Total number of pages	5

Project Coordinator

Prof Ahmed Al-Salaymeh,

The University of Jordan (UJ)

Queen Rania Street | Amman 11942, Jordan

Tel: +962-6-53 55 000 Ext. 22816 | Fax: +962-6-53 00 237

Email: Eco-car@ju.edu.jo

Project website: <http://sites.ju.edu.jo/en/ECO-CAR/Home.aspx>



1 Event Description

A 2-weeks training activity was organized at University of L'Aquila – Italy focusing on Sustainable Mobility, Internal combustion engines, Electric drives, Vehicle charging facilities. Battery testing, Vehicle connectivity and safety.

According with the decisions of ECO-CAR steering committee, the first week of the training was hold in parallel with the Training of Trainers week.

2 Agenda

TRAINING AGENDA – DAY 1 - SEPTEMBER 11, 2023 – UNIVAQ “ROIO POLE” PIAZZALE ERNESTO PONTIERI, ROIO	
10:00	Participants Registration
10:30	Greeting addresses by: DIIE Director – Prof. Eng. Walter D'Ambrogio
11:00	Brief Presentation on the ECOCAR Project: D'Innocenzo/Calabrese
11:15	Coffee Break
11:30	Brief Auto-presentations by the Participants
	
12:30	Presentation of the training Agenda and of the hosting institutions
	
13:00	Lunch Break @ UnivAQ Canteen
14:30	Visit to DIIE Internal Combustion Engines Laboratory
15:30	Visit to CITraMS Virtual Driving Laboratory

TRAINING AGENDA – DAY 2 - SEPT 12, 2023 – UNIVAQ “HUMAN SCIENCES” DEPT VIALE NIZZA, 15 – L'AQUILA	
10:00	Prof. Carlo Villante - On the transition to a more sustainable urban mobility
11:15	Coffee Break
11:30	Prof. Carlo Villante -Main technological solutions for a sustainable & low impact mobility
13:00	Lunch Break @ UnivAQ Canteen
14:30	Prof. Michele Anatone – ICE in Hybrid Vehicles

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**TRAINING AGENDA – DAY 3 - SEPTEMBER 13, 2023 – UNIVAQ “ROIO POLE”
PIAZZALE ERNESTO PONTIERI, ROIO**

10:00	Prof. Fabri – Electric Drives and converters for EVs
11:15	Coffee Break
11:30	Prof. Fabri – Electric Motors for EVS
13:00	Lunch Break @ UnivAQ Canteen
14:30	Prof. Feliziani/De Santis – Wireless Charging Systems for EVs

**TRAINING AGENDA – DAY 4 - SEPTEMBER 14, 2023 – UNIVAQ “COPPITO POLE”
PIAZZALE S. TOMMASI 1, COPPITO**

10:00	Prof. Santucci – The EMERGE project on connected and automated driving
11:15	Coffee Break
11:30	Prof. Cinque – Application classes and communication technologies for connected vehicles
12:00	Prof. D’Innocenzo – Machine learning and control theory for automated driving
12:30	Prof. Tiberti – Cybersecurity frameworks for connected vehicles
13:00	Lunch Break
14:30	<i>Valentini, Chiochio, Persia, Zitella, Ioannucci, Stangherlin, Sulli Valentini</i> Visit to experimental facilities and presentation of main research projects

**TRAINING AGENDA – DAY 5 - SEPTEMBER 15, 2023 – EXTERNAL VISIT @ ENEA
CASACCIA RESEARCH CENTER – OSTERIA NUOVA – ROME**

7:30	Leave from L’aquila
9:30	Visit to ENEA Labs for Low Environmental Impact Vehicles
13:00	Lunch Break @ ENEA Canteen
14:30	Visit to Historical Militar Avionics Museum in Anguillara
16:00	Travel back to L’aquila

**TRAINING AGENDA – DAY 6 - SEPTEMBER 18, 2023 – UNIVAQ “COPPITO POLE”
PIAZZALE S. TOMMASI 1, COPPITO**

10:00	Prof. Santucci - Guided Experiences On Connected Vehicles
13:00	Lunch Break @ UnivAQ Canteen
14:30	Guided L’Aquila city tour with the Jordanian students

**TRAINING AGENDA – DAY 7 - SEPTEMBER 19, 2023 – UNIVAQ “ROIO POLE”
PIAZZALE ERNESTO PONTIERI, ROIO**

10:00	Prof. De Santis / Eng. Campi – On the design of a Wireless Charging Station for EVs
13:00	Lunch Break @ UnivAQ Canteen
14:30	Eng. Campi – Guided exercitations on Wireless Charging Station for EVs

**TRAINING AGENDA – DAY 8 - SEPTEMBER 20, 2023 – UNIVAQ “ROIO POLE”
PIAZZALE ERNESTO PONTIERI, ROIO**

10:00	Prof. Di Bartolomeo/Di Battista: Guided experimental activities @ DIIIE ICE Labs
13:00	Lunch Break
14:30	Prof. Fatigati/Di Battista: Guided simulation activities @ DIIIE ICE Labs

**TRAINING AGENDA – DAY 9 - SEPTEMBER 21, 2023 – UNIVAQ “ROIO POLE”
PIAZZALE ERNESTO PONTIERI, ROIO**

10:00	Prof. Carlo Villante – Guided simulations of dynamical Vehicle energetic behavior
13:00	Lunch Break @ UnivAQ Canteen
14:30	Prof. Carlo Villante – On the opportunity of bi-directional V2H charging devices

**TRAINING AGENDA – DAY 10 - SEPTEMBER 22, 2023 – UNIVAQ “ROIO POLE”
PIAZZALE ERNESTO PONTIERI, ROIO**

10:00	Prof. Villante/Anatone – Guided discussion about students experience Quality evaluation of the training week Q/A session
13:00	Lunch Break @ UnivAQ Canteen
14:30	Students Certificates and Training Weeks Closure

3 Attendance sheet

No.	Participant Name	Institution	Signatures				
			Mon. 11.09.23	Tues. 12.09.23	Wed. 13.09.23	Thurs. 14.09.23	Fri. 15.09.23
1.	Bilal Qwaider Alawneh	JUST					
2.	Majed Omar Majid	TTU	X	X	X	X	X
3.	Mohammad Al-Hawamdeh	TTU	X	X	X	X	X
4.	Faisal Saleh Ismail Alsawalehe	HTU					
5.	Sameer Ahmad Shudayfat	BAU					

No.	Participant Name	Institution	Signatures				
			Mon. 18.09.23	Tues. 19.09.23	Wed. 20.09.23	Thurs. 21.09.23	Fri. 22.09.23
1.	Bilal Qwaider Alawneh	JUST					
2.	Majed Omar Majid	TTU					
3.	Mohammad Al-Hawamdeh	TTU					
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4 PPTs for training material

All Training Material can be accessed at:

https://drive.google.com/drive/folders/1J5XLGvR0JyKFPzm9q4MHW6D7Mt2YSibU?usp=drive_link

5 Photos

Photos of the Training activities can be accessed at:

https://drive.google.com/drive/folders/1J5XLGvR0JyKFPzm9q4MHW6D7Mt2YSibU?usp=drive_link