

# Report on Training Workshop Activities: Training for Trainers @ National Technical University of Athens

<b>Event type</b>	<b>Training Workshop for Trainers @ National Technical University of Athens – GREECE</b>
<b>WP Number</b>	<b>3.3</b>
<b>WP Leader</b>	<b>NTUA</b>
<b>Event date</b>	<b>25-29 September 2023</b>
<b>Number of Participants</b>	<b>11</b>
<b>Total number of pages</b>	<b>6</b>

## Project Coordinator

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



## 1 Event Description

A one-week training activity was organized at the National Technical University of Athens in Greece. The workshop was focused on Vehicle Dynamics and Hybrid and Electric Vehicles basics. Furthermore, two visits were scheduled to local manufacturers. The first took place at the Saracakis Group of Companies and the second at Kaousis S.A.

## 2 Agenda

### Monday, 25/09/2023

Period	Time	Subject
1	09:00 – 10:30	Welcome – NTUA - VLab
Coffee break	10:30 – 10:45	Coffee / Tea break
2	10:45 – 12:15	Introduction to Vehicle Dynamics
Lunch Break	12:15 – 13:00	Lunch (Restaurant & Canteens)
3	13:00 – 14:30	Suspension Systems
Coffee break	14:30 – 14:45	Coffee / Tea break
4	14:45 – 16:15	Overview of Hybrid and Electric Heavy Vehicles

### Tuesday, 26/09/2023

Period	Time	Subject
1 & 2	09:30 – 12:00	Visit to Saracakis group of Companies <a href="https://www.saracakis.gr/en/">https://www.saracakis.gr/en/</a>
3	13:00 – 14:15	Steering System
4	14:30 – 15:15	Tire Mechanics

## Wednesday, 27/09/2023

Period	Time	Subject
1 & 2	09:00 – 12:15	Self Study
Lunch Break		
3 & 4	13:00 – 16:00	Visit to Kaoussis <a href="http://kaoussis.gr/">http://kaoussis.gr/</a>

## Thursday, 28/09/2023

Period	Time	Subject
1	09:00 – 10:30	Vehicle modeling suspension using Matlab
2	10:45 – 12:15	Vehicle modeling using TruckSim (Practice)
3	13:00 – 14:30	Dynamic Measurements
4	14:45 – 16:15	06_Hazardous materials and HEV_EVs

## Friday, 30/09/2023

Period	Time	Subject		
1	09:00 – 10:00	Torque Vectoring Application		
2	10:15 – 11:15	Vehicle modeling using TruckSim (Practice)	Vehicle modeling suspension using Matlab (Practice)	Dynamic Measurements
3	11:30 – 12:30	Dynamic Measurements	Vehicle modeling using TruckSim (Practice)	Vehicle modeling suspension using Matlab (Practice)
4	12:45 – 13:45	Vehicle modeling suspension using Matlab (Practice)	Dynamic Measurements	Vehicle modeling using TruckSim (Practice)
5	14:00 – 15:00	Closing of the workshop		

ERASMUS+ PROGRAMME Project Number: 618509-EPP-1-2020-1-JO-EPPKA2-CBHE-JP

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### 3 Attendance sheet





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**ERASMUS+ PROGRAMME**  
Project Number: 618509-EPP-1-2020-1-JO-EPPKA2-CBHE-JP  
ECO-CAR Project

**“Vocational Training Diploma on Electrical and Hybrid Vehicles”  
Staff Training Workshop – at National Technical University of Athens  
Sep 25<sup>th</sup> – 29<sup>th</sup>, 2023**

No.	Participant Name	Institution	Mon. 25.09.23	Tues. 26.09.23	Wed. 27.09.23	Thurs. 28.09.23	Fri. 29.09.23
1.	Mohammad Al Omari	JUST	 25/9				
2.	Abdallah Al Shboul	JUST					
3.	Wail Adalleh	TTU					
4.	Ahmad Mustafa	TTU					
5.	Tahani Ghoben	HTU	 25/9/2023	 26/9/23	 27/9/2023	 28/9/23	 29/9/23

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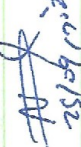




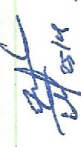













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No.	Participant Name	Institution	Signatures				
			Mon. 25.09.23	Tues. 26.09.23	Wed. 27.09.23	Thurs. 28.09.23	Fri. 29.09.23
6.	Nezar Al Qudah	HTU					
7.	Ma'moun Al-Smadi	BAU					
8.	Musa Al-Ajlouni	BAU					
9.	Najat Al-Masanwah	MU					
10.	Loai Dabour	ZUJ					
11.	Nabeel Abo Shaban	ZUJ					
12.	Safwan Qawabeh	ZUJ					
13.							
14.							

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## 4 PPTs for training material

All Training Material can be accessed in pdf form at the google drive of the project

[https://drive.google.com/drive/folders/1tQ9P7IRCHJBdh78vmBd1rgPyfQFGZKwd?usp=drive\\_link](https://drive.google.com/drive/folders/1tQ9P7IRCHJBdh78vmBd1rgPyfQFGZKwd?usp=drive_link)

## 5 Photos

Photos of the Training activities can be accessed at the google drive of the project:

[https://drive.google.com/drive/folders/1eezU0eT5pP3kWLx5p1Nk7KgoPtprkrP?usp=drive\\_link](https://drive.google.com/drive/folders/1eezU0eT5pP3kWLx5p1Nk7KgoPtprkrP?usp=drive_link)