

ERASMUS+ PROGRAMME

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

ECO-CAR:

Vocational Training Diploma on Electrical and Hybrid Vehicles

**5th Steering and Scientific Committees Meeting
Agenda**

RWTH Aachen University

Date:

5-6th September 2023

Location:

RWTH Aachen University - Germany

Join Zoom Meeting link:

<https://zoom.us/j/97390843943?pwd=RjJTZW1hTjI5OER6cjhoS2Z1bTNOdz09>





First Day
5th Sep 2023
09:00-19:00

09:00-09:30 Registration

Session 1

Chairman: Prof. Dirk Uwe Sauer
Moderator: Dr. Florian Ringbeck

09:30–09:45 **Brief Welcome by Local Organization at RWTH Aachen & Project General Coordinator:**

Prof. Dirk Uwe Sauer, ECO-CAR Project Coordinator at RWTH-Aachen University
Prof. Ahmed Al-Salaymeh, ECO-CAR General Project Coordinator, UJ

09:45–10:00 **Introducing Participants and logistics support**

10:00–10:40 **Overall Progress of Eco-Car Project, by:**

Prof. Ahmed Al-Salaymeh, UJ

10:40–11:00 **Coffee Break**

Session 2

Chairman: Prof. Ahmed Al-Salaymeh
Moderator: Eng. Dania Sreihin

11:00–11:05 **Implementation at JO partners**

Presented by **Prof. Ahmed Al-Salaymeh**

11:00–11:05

- ✓ Accreditation status
- ✓ Piloting and implementing of ECO-CAR Professional Diploma
- ✓ Dates of diplomas and Students enrolled
- ✓ Number and Specialty of Lecturers and Teachers
- ✓ ECO-CAR centre establishment (Equipment, training and opening)
- ✓ Workshops conducted at the university
- ✓ Info-days conducted at university

Implementation at each JO partner: (11:05–12:45)

Time	University	Presenter
11:05-11:25	UJ	Eng. Dania Sreihin Eng. Maram AlHijaj
11:25-11:45	JUST	Eng. Salaheddin Abuyahya



	11:45-12:05	MU	Prof. Omer Maaiteh
	12:05-12:25	TTU	Dr. Wail Adaileh
	12:25-12:45	BAU	Prof. Rebhi Damseh
12:45–14:00	Lunch and Group photo		
14:00–15:00	Continuous: Implementation at JO partners		
	Time	University	Presenter
	14:00-14:20	HTU	Prof. Tarek Tutunji
	14:20-14:40	ASU	Dr. Hanan Saleet
	14:40-15:00	ZUJ	Dr. Loai dabbour
15:00–16:00	WP6: Quality and Impact Evaluation Plan		
	Presented by Dr. Ivan Dyukarev, UD		
	<ul style="list-style-type: none"> ✓ Status of quality and impact evaluation Plan ✓ Course Evaluation ✓ Key Project Deliverables ✓ EU visits evaluation ✓ Upcoming tasks ✓ Tuning workshop ✓ External Evaluator 		
16:00–16:20	Coffee Break		
	Session 3		
	Chairman: Prof. Ahmed Al-Salaymeh		
	Moderator: Eng. Dania Sreihin		
16:20–17:00	WP7: Dissemination and Sustainability Plan,		
	Presented by Prof. Tarek Tutnji, HTU		
	<ul style="list-style-type: none"> ✓ ECO-CAR upcoming Newsletters ✓ ECO-CAR Website articles and social media posts ✓ Documentary film 		



- ✓ Upcoming tasks

17:00–18:45 **WP3: Capacity Building Plan,**
Presented by **Dr. Clio Vossou, NTUA**

17:00–17:05

- ✓ Status of the Training Workshops in Europe for staff
- ✓ Status of the Training Workshops in Europe for students
- ✓ Upcoming Tasks

Training Workshops in EU Partners: (17:05–17:45)

- ✓ Workshop dates
- ✓ Workshop title and contents
- ✓ Workshop outcomes

Time	University	Presenter	Notes
17:05-17:15	Technische Hochschule Ostwestfalen-LIPPE (TH-OWL) - Staff and Students	Prof. Salman Ajib	Only Outcomes
17:15-17:25	National Technical University of Athens (NTUA)	Prof. Dimitrios Koulocheris Dr. Clio Vossou	Workshop Agenda
17:25-17:35	Universita of L'Aquila – Staff and Students	Prof. Michele Anatone	Workshop Agenda
17:35-17:45	Budapest University of Technology and Economics (BME) - Students	Dr. Máté Zöldy	Workshop Agenda

EU visits: (17:45–18:45)

- ✓ Workshop dates
- ✓ Workshop title and contents
- ✓ Workshop outcomes

Time	University	Presenter	Notes
17:45-17:55	Rheinisch-Westfaelische Technische Hochschule Aachen (RWTH-Aachen)	Prof. Dirk Uwe Sauer Florian Ringbeck	Only Outcomes
17:55-18:05	Universidad de la Iglesia de Deusto (UD)	Dr. Ivan Dyukarev	Dates and Titles
18:05-18:15	Technische Hochschule Ostwestfalen-LIPPE (TH-OWL)	Prof. Salman Ajib	Dates and Titles



18:15-18:25	National Technical University of Athens (NTUA)	Dr. Clio Vossou	Dates and Titles
18:25-18:35	Universita of L'Aquila	Prof. Michele Anatone	Dates and Titles
18:35-18:45	Budapest University of Technology and Economics (BME)	Dr. Máté Zöldy	Dates and Titles
18:45-19:00	Conclusion of the 1 st Day		
19:00	End of 1 st Day		

Second Day

6th Sep 2023

09:00-16:00

09:00-09:30 Registration

Session 4

Chairman: Prof. Ahmed Al-Salaymeh

Moderator: Eng. Dania Sreihin

09:30-09:45 **Introduction Speech and Instructions, by:**
Prof. Dirk Uwe Sauer, ECO-CAR Project Coordinator at RWTH-Aachen University

09:45-10:05 **WP1: Establishing University-Enterprise cooperation Plan,**
Presented by **Eng. Salaheddin Abu Yahya, JUST**

- ✓ Status of Eco-Car network
- ✓ Work plan for enhancing the network in Eco-Car project
- ✓ Sign collaboration agreements with enterprises and training centres to let the students make their internships
- ✓ Upcoming tasks

10:05-10:20 **WP2: Baseline Study Plan,**
Presented by **Dr. Hanan Saleet, ASU**

- ✓ Status of the 1st research paper
- ✓ Work plan for new research paper
- ✓ Upcoming tasks

10:20-10:40 **WP4: Establishment of EV/HEV labs Plan,**
Presented by **Prof. Rebhi Damseh, BAU**

- ✓ Overall status EV/HEV centres at JO institutions (location, infrastructure, activities, equipment, instructors)
- ✓ EV/HEV Labs opening at JO Partners
- ✓ Upcoming tasks

10:40–11:00 Coffee Break

11:00–12:30 **WP5: Developing ECO-CAR Professional Diploma**

Presented by **Dr. Máté Zöldy, BME**

Clusters: (11:00-12:30)

- ✓ Final Courses outlines
- ✓ Final Courses material
- ✓ Upcoming tasks and challenges

Time	Clusters	Presenter
11:00-11:10	Cluster 1: Hybrid and Electric Vehicle Basics	Prof. Rebhi Damseh
11:10-11:20	Cluster 2: Battery Storage Technology, Charging systems, and Recharging Infrastructure	Eng. Florian Ringbeck
11:20-11:30	Cluster 3: Electric and Hybrid Vehicles Diagnosis for Maintenance and Repair	Dr. Wael Adaileh
11:30-11:40	Cluster 4: Internal Combustion Engines in Hybrid Vehicles	Eng. Adam Nyerges
11:40-11:50	Cluster 5: Automotive Electricity, Electronics, Sensors, and Actuators	Prof. Tarek A. Tutunji
11:50-12:00	Cluster 6: Vehicle Dynamics	Dr. Hanan Saleet
12:00-12:10	Cluster 7: Health and Safety	Prof. Omer Maaiteh
12:10-12:20	Cluster 8: Electrical Machines and Drives	Prof. Salman Ajib
12:20-12:30	Cluster 9: Labs & Workshops	Prof. Rebhi Damseh

12:30–13:00 **WP8: Project Management Plan,**
Presented by **Prof. Ahmed Al-Salaymeh, UJ**

- ✓ Management and Operational Structures and running the project
- ✓ Financial Management
- ✓ Reporting (Progress, Intermediate, and Final Reports)
- ✓ Upcoming Meetings

13:00–14:00 Lunch



Session 5

Chairman: Prof. Ahmed Al-Salaymeh

Moderator: Eng. Dania Sreihin

14:00–15:00	Activities ECO-CAR Upcoming Work plan, Presented by Prof. Ahmed Al-Salaymeh, UJ
15:00–16:00	Discussion and Conclusion of the 2 days and summary
16:00	End of the 2nd day