

E-DRIVETOUR Newsletter / No 6 / December 2022

MESSAGE FROM THE PROJECT COORDINATOR

Dear reader,

Welcome to our sixth newsletter of the *bEyonD the boRder of electrIc VEhicles: an advanced inTeractive cOURse* (E-DRIVETOUR) project. The newsletter series provide you with latest information on project progress, achievements and important forthcoming activities related to education on electric mobility.

E-DRIVETOUR is a 36-month project, which started on January 1st, 2020 and is funded by the European Union, under the Erasmus+ Programme Knowledge Alliances (Project Number: 612522-EPP-1-2019-1-EL-EPPKA2-KA).

Its aim is to develop an advanced interactive course related to Sustainable Electric Mobility Engineering that will train individuals with the necessary skills and knowledge to work in the electric automotive industry, including Ultra Lightweight Vehicles (ULV) that comprise e-bikes and e-cargo bikes.

In this last month of the project, benchmarking has been completed. The final dissemination event of the project has also been completed with discussion about exploitation and sustainability being the main subject of it. Project results and student papers describing mobility activities have been presented in a special session in the frame of the "International Workshop on Microsystems", held in Thessaloniki.

More information can be found on our website <https://www.edrivetour.eu/> which offers in-depth information about the project, E-DRIVETOUR partners consortium, results, news and events.

Enjoy reading and please do not hesitate to send us your feedback.

Associate Professor Theodoros Kosmanis

Coordinator of the E-DRIVETOUR project

With the support of the
Erasmus+ Programme
of the European Union



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E-DRIVETOUR FINAL EVENT

The final event of E-DRIVETOUR took place from Tuesday, December 13th until Thursday, December 15th 2022 in Thessaloniki, Greece at the Alexander University Campus of the International Hellenic University in Sindos. In this three-day event, all partners were represented either onsite or online.

On the first day of the final event, the results of the project together with feedback from the students about the educational procedure were presented. The discussion about the future exploitation of the project results led to various options for its continuation in another level. It is now on the partners to present E-DRIVETOUR's future version in a more concrete form.

On the second day, students had the opportunity to present their intermediate projects in the form of papers in a special session dedicated to E-DRIVETOUR in the frame of the 7th International Workshop on Microsystems that took place at the Alexander University Campus.

On the final day of the event, the partners were guided through the laboratories of the Department of Industrial Engineering and Management of the International Hellenic University to experience part of the actual experiments that took place during the first mobility period for the students.

**Dep. Industrial Engineering and Management,
International Hellenic University**

**7th International Workshop
on Microsystems**
Alexander Sindos Campus,
International Hellenic University,
14 December 2022

This workshop brings together research and development from a large spectrum of science and engineering fields related to the implementation of microsystems in the new era of distributed information technologies. As cloud computing services and smart portable systems are becoming ubiquitous and more advanced, new possibilities for interdisciplinary research emerge. The microsystems that comprise the so-called Internet of things will encompass a wide range of technologies including new energy sources, energy and information electronics, sensor systems, smart and energy efficient control and computing, telecommunications and networking, and also nanotechnology and micro-electro-mechanical systems. Continuing five successful workshops between 2016 and 2021, the 7th International Workshop on Microsystems aims at bringing together related research and development advancements from the academic community and the industry. Scientific topics include but are not limited to:

- Energy microsystems
- Sensors and sensor electronics
- Embedded systems
- Integrated Circuits and Systems
- Industrial automation and control
- Microelectronics and nanoelectronics
- Micro-electro-mechanical systems
- Computing for microsystems

Conference website: microengineering.iem.ihu.gr/WoMGREECE2022

Registration:
Please register your intention to participate by e-mail to: info@microengineering.ihu.gr
The registration is free of charge
Venue: Lecture Theater, Automation and Informatics Building, Sindos Campus, I.H.U., Greece

Abstract submission:
Style and format: Authors can choose between a 300-word abstract with Figure or a IEEE style 2-4 page digest
Abstract submission deadline: 14th November 2022
All abstracts will be published online in a workshop proceedings edition
A best paper award will be granted, sponsored by Ioannidis Electronics, Marassi 78, Thessaloniki
All submissions should be accompanied by a statement of originality, confirming that the full content of this abstract is original and has been created exclusively by the authors

Preliminary programme	Technical Programme Committee
09:30-09:30 Registration	A. Astarae
09:30-09:45 Welcome and Introduction	D. Bachtle
09:45-11:00 Oral session	M. E. Kizilogou
11:00-11:15 Coffee break	S. Papadopoulos
11:15-11:45 Poster session	F. Stergiopoulos
11:45-12:00 Best Paper Award / Summary	D. Triantafyllidis
	K. Stasias
	A. Tsagaris
	C. Yfyllis
	C. Zingou
	A. Hatzopoulos

Organizer
Michail E. Kizilogou, Industrial Eng. & Management, IHU

Session Chair
To be confirmed

sponsors:

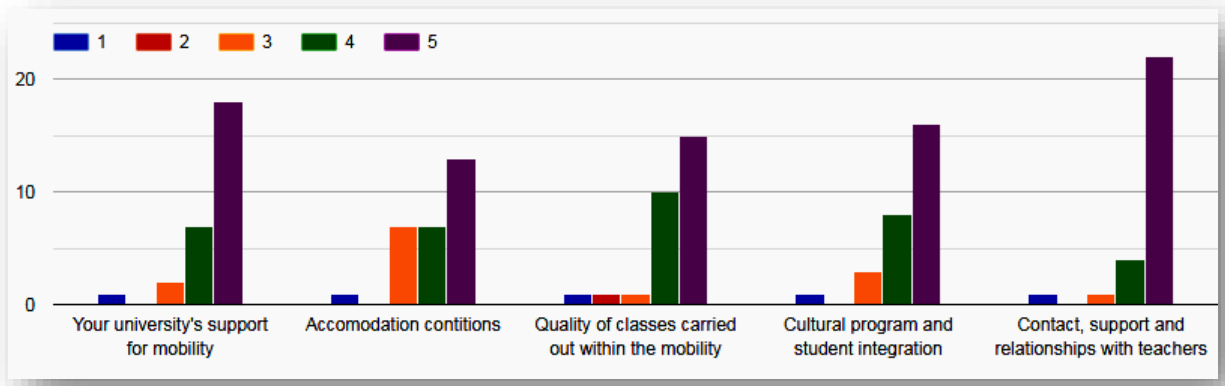



<http://microengineering.iem.ihu.gr/WoMGREECE2022/#programme>

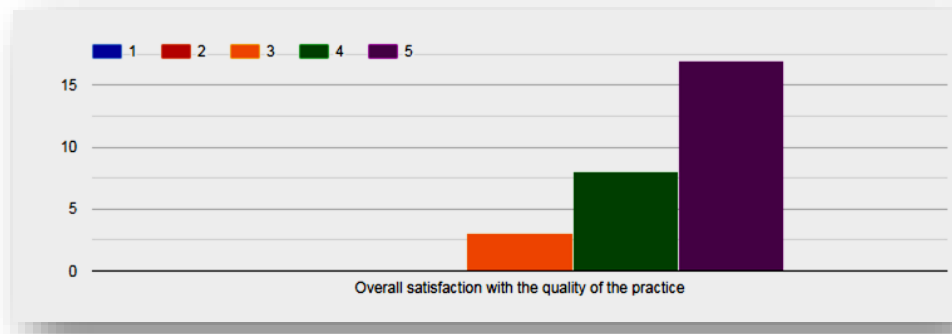
STUDENT FEEDBACK

Student feedback about the educational procedure was extremely significant. A questionnaire was prepared for them. The results have proved that students had a very positive opinion of the project, the online lectures but mainly on the mobility periods and their added value. Indicative graphs are shown on the following page.

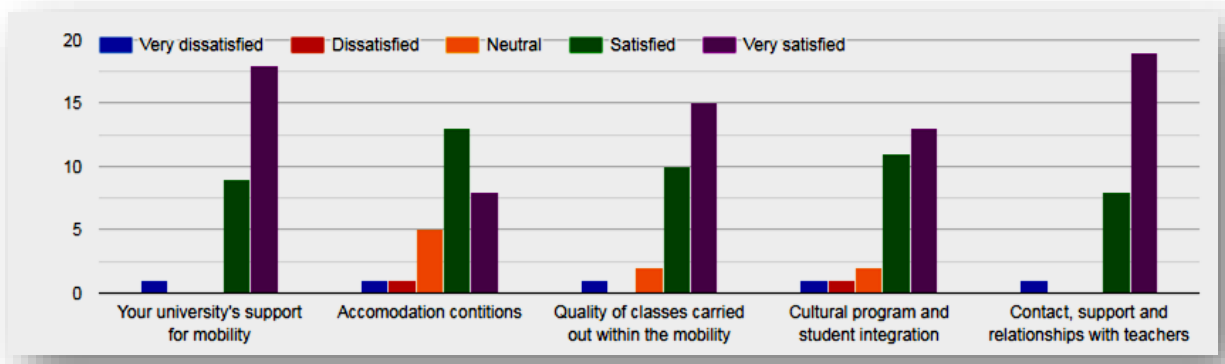




Student feedback from the teaching mobility period in Thessaloniki, Greece.



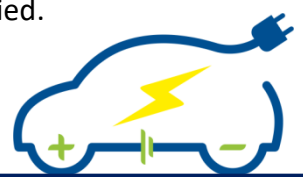
Student feedback from the internship period.



Student feedback from the teaching mobility period in Radom, Poland.

STUDENT BENCHMARKING

The ultimate activity of the project was student assessment. The overall assessment has taken place in three parts to allow the students prepare themselves. Success in all three parts of the exams, submission of paper to the International Workshop and participation in the practical training of the third mobility period would lead to the eligibility of a student as an EV technology certified person. The certification is issued by ECQA. 28 out of the 36 students that had initiated the program were ultimately certified.





NEXT STEPS

As this is the last newsletter over the course of the project, the forthcoming newsletter is expected to present officially the next steps taken by the consortium in the frame of exploitation and sustainability of the project.

FIND US ON SOCIAL MEDIA



CONSORTIUM



International Hellenic University (Coordinator), Greece



University of Craiova, Romania



Cerca Trova Ltd, Bulgaria



Kazimierz Pulaski University of Technology and Humanities in Radom, Poland



Inteligg P.C., Greece



eZee Europe, Belgium



eProInn s.l.r. – Energy and Propulsion Innovation, Italy



European Certification and Qualification Association, Austria



Hellenic Institute of Transport / Centre for Research and Technology Hellas, Greece

