



Experiment and Simulation in Engineering

Proiect BIP/ERASMUS+

Programul activităților

Datele cuprinse în prezenta Anexă sunt complete, corecte și conforme cu principiile etice universitare.



UNIVERSITY OF
CRAIOVA



Faculty of Electrical
Engineering



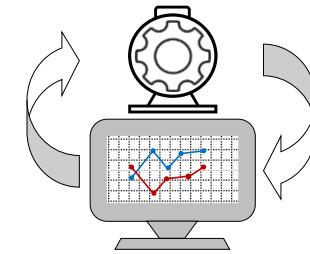
Funded by
the European Union



Experiment and Simulation in Engineering

ERASMUS+ BLENDED INTENSIVE PROGRAM

Project no. 2023-1-RO01-KA131-HED-000129111-1



PROGRAM

May 19-24, 2025 – Craiova, ROMANIA

	Monday, 19.05.2025	Tuesday, 20.05.2025	Wednesday, 21.05.2025	Thursday, 22.05.2025	Friday, 23.05.2025	Saturday, 24.05.2025
~8:30	Breakfast (included for students only)	Breakfast (included for students only)	Breakfast (included for students only)	Breakfast (included for students only)	Breakfast (included for students only)	Breakfast (included for students only)
~9:30	Welcome meeting Presentation of the Faculty of Electrical Engineering	Technical visit to ICMET testing laboratories, Craiova	Technical visit to Ford Otosan Factory, Craiova	Presentation of CAD/CAE tools By INAS Romania https://www.inas.ro/en Lecture 4	- Technical visit to the Iron Gates I Hydropower Plant. - Experimental study on the propulsion and control systems of a river boat on the Danube. <i>Transport by bus (140 km far from Craiova) and lunch on the boat are included for all participants.</i>	Presentation of the students' projects Closing ceremony
~13:30	Lunch at the Students' restaurant (included for all participants)	Lunch at the Students' restaurant (included for all participants)	Lunch at the Students' restaurant (included for all participants)	Lunch at the Students' restaurant (included for all participants)		Open lunch
~14:45	Lecture 1	Practical and project works 1	Practical and project works 2	Preparation of the presentation of the projects	<i>Discover Craiova – free time (Suggestion: Walking tour Romanescu Park)</i>	Dinner at the Students' restaurant (included for all participants)
	Lecture 2	Lecture 3	Practical and project works 3			
~18:00	Dinner at the Students' restaurant (included for all participants)	Dinner at the Students' restaurant (included for all participants)	Gala Dinner University club house	Dinner at the Students' restaurant (included for all participants)	Discover Craiova – free time	Discover Craiova – free time
~19:00	Discover Craiova – free time	Discover Craiova – free time		Discover Craiova – free time		



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Lectures and Practical Works

Monday, 19.05.2025

Lecture 1	Modelling and Simulation in Vehicle Engineering - <i>Advanced Simulation and Calculation of Vehicle Energy Consumption and Efficiency</i> Lecturer : Rolandas Makaras (<i>Kaunas University of Technology, Lithuania</i>) - <i>Simulations in Vehicle Engineering</i> Lecturer : Sigitas Kiliukevičius (<i>Kaunas University of Technology, Lithuania</i>) - <i>Cutting-Edge CAD/CAE & Crashworthy Design: Advanced Engineering Insights & Hands-On Innovation</i> Lecturer : Vaidas Lukoševičius (<i>Kaunas University of Technology, Lithuania</i>)
Lecture 2	Vehicle Modeling: Hybrid Heavy-duty Vehicle System and Driveline Development using object-orientated physical model Lecturer : Ugnė Koletė Medževeyprytė (<i>Kaunas University of Technology, Lithuania</i>)

Tuesday, 20.05.2025

Practical and project works 1	Optimization Techniques for Engineering Lecturer : Alin-Iulian Dolan (<i>University of Craiova, Romania</i>)
Lecture 3	Power Quality Analysis in DC Traction Systems Lecturer: Anatolii Nikitenko (<i>Warsaw University of Technology, Poland</i>)

Wednesday, 21.05.2025

Practical and project works 2	Harmonic pollution on electrical supply grids. Application on AC-DC rectifiers Lecturer : Patrick Favier (<i>University of Artois - IUT de Béthune, France</i>)
Practical and project works 3	Characterization of an Induction Motor Lecturer : François Maeght (<i>University of Artois - IUT de Béthune, France</i>)

Thursday, 22.05.2025

Lecture 4	Adequacy of Power Systems for the Development of Electromobility Lecturer : Mariusz Kłos (<i>Warsaw University of Technology, Poland</i>)
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Locations:

Regular activities: <https://maps.app.goo.gl/v1pyS7VFxRTDB42P9>

Students' dormitory and students' restaurant: <https://maps.app.goo.gl/nnDMrLq5Tm7BrR1Y9>

University club house (Gala dinner): <https://maps.app.goo.gl/tCf2bq679Z7brnTr7>

Iron Gates I Hydropower Plant: <https://maps.app.goo.gl/JbEWiA3VnmvrdKWd6>

Craiova Train station: <https://maps.app.goo.gl/JvB9hPDS3eDpd6tn7>

Craiova Airport: <https://maps.app.goo.gl/zJHk7ZNLH9VHNMWr7>

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