

Breath Research Interactions and Development via Guidance and Exchanges



ULMNP group of IESL-FORTH is pleased to present the following courses in the framework of the [EU BRIDGE project](#). We welcome you to attend:

Day	Date	Time	FORTH's Room	Presenter	Course Title
Tuesday	9/7	09:30 – 11:00	Alkiviadis Payatakes – FORTH building	Dr Milena Arciniegas	Nanomaterials Informatics and Robotic Synthesis
		11:30 – 13:00	Alkiviadis Payatakes – FORTH building	Dr Luca Ceseracciu	Mechanical Characterization and Nanomechanics
Wednesday	10/7	12:00 – 13:30	Costas Fotakis – FORTH building	Dr Milena Arciniegas	Data-Driven Innovation in Broadband Emitting Layered Perovskites – IESL Seminar
Thursday	11/7	09:30 – 11:00	Alkiviadis Payatakes – FORTH building	Dr Milena Arciniegas	Nanomaterials Informatics and Robotic Synthesis
		11:30 – 13:00	Alkiviadis Payatakes – FORTH building	Dr Luca Ceseracciu	Mechanical Characterization and Nanomechanics
Tuesday	16/7	09:30 – 11:00	Alkiviadis Payatakes – FORTH building	Dr Milena Arciniegas	Nanomaterials Informatics and Robotic Synthesis
		11:30 – 13:00	Alkiviadis Payatakes – FORTH building	Dr Luca Ceseracciu	Mechanical Characterization and Nanomechanics
Thursday	18/7	09:30 – 11:00	Alkiviadis Payatakes – FORTH building	Dr Milena Arciniegas	Nanomaterials Informatics and Robotic Synthesis
		11:30 – 13:00	Alkiviadis Payatakes – FORTH building	Dr Luca Ceseracciu	Mechanical Characterization and Nanomechanics

Note:
All the courses will begin 10 minutes after the scheduled time.

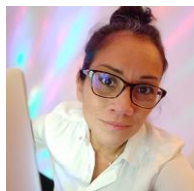


This research project has received funding from the EU's Horizon Europe framework programme for research and innovation under grant agreement BRIDGE (n. 101079421 from 01/10/2022 – 30/9/2025)

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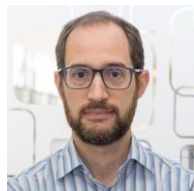
Dr Milena Arciniegas (IIT) – Senior Researcher Tenure Track - Principal Investigator, Head of Automated Nanomaterials Engineering Laboratory



Course: Nanomaterials Informatics and Robotic Synthesis

Description: This is a 6-hour course spanning over two weeks, which provides an in-depth exploration of the intersection between nanomaterials, informatics, and robotic automation. Students will gain a comprehensive understanding of the principles of nanomaterials, the role of informatics in materials science, and the application of robotics in the synthesis and characterization of nanomaterials by illustrating key examples from the literature. The course will also provide a hands-on session to interact with digital tools for data workflows and data analysis.

Dr Luca Ceseracciu (IIT) – Chief Technician – Materials Characterization Facility



Course: Mechanical Characterization and Nanomechanics

Description: This 6-hour course will start with an overview of theory and techniques of mechanical characterization from an engineering point of view, focusing later on specific miniaturized techniques, especially nanoindentation, with theory and practical troubleshooting, and on the different mechanisms that affect the strength of different materials at the nanoscale. Finally, the coupling of mechanical cues with functional measurements (optical, electrical) will be presented.

Please check for any updates the webpage: <https://euproject-bridge.eu> and our social media: [Twitter](#), [Instagram](#), [Facebook](#), [LinkedIn](#). You may contact at bridge@iesl.forth.gr



Rooms of the courses and seminar:

"Alkiviades Payatakes" Meeting Room
FORTH Main Building



"Costas Fotakis" Meeting Room
FORTH Main Building



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