



In the framework of European BRIDGE project, the following courses are scheduled at IESL-FORTH and you are welcome to attend.

Day	Date	Time	FORTH's	Presenter	Course
			Room		
Wednesday	21/6	09:00 - 11:00	119 KEEK	Prof Liberato Manna	Electronic Structure of Solids
Thursday	22/6	09:00 - 11:00	119 KEEK	Prof Liberato Manna	Electronic Structure of Solids
Friday	23/6	11:00 - 13:00	119 KEEK	Dr Teresa Pellegrino	Water soluble nanoparticles
Monday	26/6				No courses due to national elections
Tuesday	27/6	09:00 - 11:00	1	Prof Liberato Manna	Electronic Structure of Solids
		11:00 - 13:00	1	Dr Teresa Pellegrino	Water soluble nanoparticles
Wednesday	28/6	09:00 - 11:00	1	Prof Liberato Manna	Electronic Structure of Solids
		12:00 - 13:00	1	Dr Teresa Pellegrino	IESL Seminar
Thursday	29/6	09:00 - 11:00	1	Prof Liberato Manna	Electronic Structure of Solids
		11:00 - 13:00	1	Dr Teresa Pellegrino	Water soluble nanoparticles
Friday	30/6	09:00 - 11:00	1	Prof Liberato Manna	Electronic Structure of Solids
		11:00 - 13:00	3	Dr Teresa Pellegrino	Water soluble nanoparticles
Monday	3/7	09:00 - 11:00	119 KEEK	Prof Liberato Manna	Electronic Structure of Solids
		11:00 - 13:00	119 KEEK	Dr Teresa Pellegrino	Water soluble nanoparticles
				_	
Tuesday	4/7	09:00 - 11:00	119 KEEK	Prof Liberato Manna	Electronic Structure of Solids
•					
Wednesday	5/7	10:00 - 12:00	1	Dr Mirko Prato	Characterization Techniques and their
,					application to perovskite nanocrystals
					and 2D materials
Thursday	6/7	10:00 - 12:00	1	Dr Mirko Prato	Characterization Techniques and their
					application to nanocrystals and 2D
					materials
Friday	7/7				
Monday	10/7				





Tuesday	11/7	10:00 – 12:00	1	Dr Mirko Prato	Characterization Techniques and their application to nanocrystals and 2D materials
Wednesday	12/7	10:00 – 12:00	1	Dr Mirko Prato	Characterization Techniques and their application to nanocrystals and 2D materials
Thursday	13/7	10:00 – 12:00	1	Dr Mirko Prato	Characterization Techniques and their application to nanocrystals and 2D materials

<u>Prof Liberato Manna</u> - Associate Director for Materials and Nanotechnologies Area, Senior Researcher Tenured - Principal Investigator at IIT, NanoChemistry Laboratory

Course: Electronic Structure of Solids

Description: Basics of quantum mechanics, crystallography, free and nearly free electron models, tight binding approaches using s, p, d, orbitals, transition metals, electron repulsion, correlation, examples on many materials classes.

<u>Dr Teresa Pellegrino</u> - Senior Researcher Tenured - Principal Investigator at IIT, Nanomaterials for Biomedical Applications Laboratory

Course: Water soluble nanoparticles

Description: Introduction to polymers, polymerization techniques, functional polymers, polymer characterization, nanomaterials and their general properties, magnetic materials, colloidal gold nanoparticles, synthesis of nanoparticles, self-assembly, iron oxide nanoparticles, nanocrystals for biomedical applications.

Dr Mirko Prato - Technologist - Facility Coordinator, Materials Characterization

Course: Characterization Techniques and their application to nanocrystals and 2D materials

Description: Introduction to some of the techniques relevant to the characterization of the chemical, structural and morphological properties of materials, including atomic force microscopy (AFM), X-ray diffraction (XRD), and X-ray photoelectron spectroscopy (XPS).

Please check for any updates the webpage: https://euproject-bridge.eu and the social media: Twitter, Instagram
Facebook, LinkedIn. Contact at bridge@iesl.forth.gr











