

Intensive Course in layered Materials & Applications

12th – 16th of July in Zoom

<https://athena-uni.eu/school-in-layered-materials/>



Time (CET)	Monday	Tuesday	Wednesday	Thursday	Friday
10.15 – 11.00	<i>Fundamentals of Layered Materials</i> Dr. A. Babinski	<i>Layered Materials Raman Spectroscopy</i> Dr. A. Ott	<i>Laser Induced Transfer Layered Materials</i> Dr. I. Zergioti	<i>Organic & Perovskite Graphene Based Solar Cells</i> Dr. G. Kakavelakis	<i>Graphene and 2D Materials for Spintronics</i> Dr. Andrej Wyszomolek
11.00 – 11.15	<i>Questions & Answers Session</i>				
11.15 – 12.00	<i>Excitonic Effects in Layered Materials</i> Dr. I. Paradisanos	<i>Ultrafast Spectroscopy</i> Dr. C. Trovato	<i>Laser Processing of Graphene Based Devices</i> Dr. K. Petridis	<i>Graphene and TMDs Based Solar Modules</i> Dr. A. Agresti	<i>Graphene based hybrids and composites and their applications</i> Dr. Y. Samad
12.00 – 12.15	<i>Questions & Answers Session</i>				
12.15 – 13.00	<i>Liquid Phase Exfoliation of Layered Materials</i> Dr. Stephen Hodge	<i>The Impedance Spectroscopy</i> Dr. B. Romero	<i>Integrated photonics: functionalities enabled by novel layered materials</i> Dr. A. Ruocco	<i>Graphene – based Materials for biosensing platforms</i> Dr. A. Merkoci	Multiplier Event
13.00 – 13.15	<i>Questions & Answers Session</i>				

13.15 – 14.30	<i>Lunch Break</i>				
14.30 – 15.15	<i>Emerging 2D Lateral Heterostructures</i> <i>Dr. P.K. Shao</i>	<i>Nonlinear Optics with 2D Materials for frequency conversion and gas sensing</i> <i>Dr. G. Soavi</i>	<i>Layered Materials Energy Storage Devices</i> <i>Dr. Siva Bohm</i>	<i>Bilayer Materials Wearable Electronics</i> <i>Dr. L. Senentxu</i>	
15.15 – 15.30	<i>Questions & Answers Session</i>				
15.30 – 16.15	<i>How to Make an Oral Presentation</i> <i>Dr. K. Chatzaki</i>	<i>Low-Frequency Raman Spectroscopic Methods for Characterizing Nanostructured and Nanoscale Layered Materials</i> <i>Dr. Y. Tischler</i>	<i>Up-scalable emerging energy conversion technologies enabled by 2D materials: From miniature power harvesters towards grid-connected energy systems</i> <i>Dr. K. Rogdakis</i>	<i>Printed Electronics on layered Materials</i> <i>Dr. F. Torrisi</i>	
16.15 – 16.30	<i>Questions & Answers Session</i>				
16.30 – 17.15		<i>Citizen contributions to open science: examples supported by data visualizations</i> <i>Dr. K. Zourou</i>		<i>Micro/Nano Mechanics and Photonics</i> <i>Dr. P. Kang</i>	

