

Science days 2023

December 19 2023

Main FORTH Auditorium

From	To		
09:00	09:10	Committee	Opening
09:10	09:30	V. Ntziachristos – IESL Director	Welcome
09:30	09:45	Ioannis Paradeisanos	Engineering the optical response of 2D semiconductors
09:50	10:05	Aggeliki Sfakianou	Gas Sensors based on 2D materials
10:10	10:25	Ivan Chapalo	Photonic sensors in surgical sutures
10:30	10:45	Nikos Burger	External fields effects on gels and gelation : high pressure on gelatin, shear on organoclays
10:50	11:20	Coffee break – offered outside the Auditorium	
11:20	11:35	Georgios D. Barmparis	Physics-driven machine learning models
11:40	11:55	Panagiotis Konstantakis	Retrieving Optical Information Through Propagation in Strongly Nonlinear and Turbulent Systems Using Neural Networks
12:00	12:15	Vinay Pareek	Cavity Enhanced Phase and Absorption Imaging
12:20	12:35	Gordon Zyla	3D Micro-Devices for Enhancing the Lateral Resolution in Optical Microscopy
12:40	01:10	Kostas Karatasos - University of Thessaloniki, Department of Chemical Engineering From FO.R.T.H/IESL to A.U.T.H: a soft matter journey	
01:10	02:30	Lunch break	
02:30	03:00	Odysseas Tsilipakos - National Hellenic Research Foundation Metasurfaces for advanced wavefront control	
03:00	03:15	Nikolaos Palaiodimopoulos	A chiral quantum router with Rydberg atoms
03:20	03:35	Nikos Chatzarakis	Advanced Semiconductor Single Photon Sources
03:40	03:55	George Tserevelakis	Optoacoustic microscopy: Listening to laser light interaction with matter at the microscale
04:00	04:15	Varvara Platania	Bioprinted tubular structures functionalized with platelet rich plasma for vascular tissue regeneration
04:20	04:50	Coffee break – offered outside the Auditorium	
04:50	05:05	Michalis Xygkis	Measurement of Optical Rotation from Chiral Organic Vapors via Cavity Enhanced Polarization Spectroscopy: Breakdown of Born-Oppenheimer Approximation and Chiral Thin Films
05:10	05:25	Alexandros Deltsidis	Defect Bearing Hyper-expanded Fe-chalcogenides and their Robust Superconducting State
05:30	05:45	Frantzeska Gkointa	Development of polymer nanocomposite coatings targeting antimicrobial applications
05:50	06:05	Theodoros Manouras	Multi-triggered theranostic nanoparticles based on PEO-Polyacetal diblock copolymers
06:10	06:40	Vasilia Zorba - Lawrence Berkeley Laboratory and UC Berkeley TBA	
06:40	07:00	Closing ceremony – IESL Awards	