

## **Thursday 15 December 2022**

9:00-9:15	S. H. Anastasiadis	Welcome from the Director of IESL
	Chair: S. H. Anastasiadis	
9:15-9:40	P. Tzallas	Recent progress in the research directions of the Attosecond Science and Technology (AST) lab
9:40-10:05	M. Vamvakaki	Dual-functional antimicrobial polymers
10:05-10:30	K. Makris	Exceptional points: robustness versus sensitivity in non-Hermitian Photonics
10:30-10:55	B. Loppinet	Soft Matter Dynamics by Design
10:55-11:20	A.Lappas	Tweaking Nanoscale Functionalities by Correlated Disorder
<b><i>Coffee-break</i></b>		
	Chair: D. Gray	
11:45-12:10	D. Papazoglou	Optics for Space Applications
12:10-12:35	P. Samartzis	Chirality explored with Photoelectron Circular Dichroism
12:35-13:00	M. Farsari	Non-Linear Lithography Group Activities
13:00-13:25	M. Chatzinikolaidou	Advances and challenges in bioengineering bone grafts
13:25-13:50	P. Rakitzis	Applications of Cavity Ring-down Polarimetry and of High-density Spin-Polarized Hydrogen Isotopes
<b><i>Lunch-break</i></b>		
	Chair: V. Pouli	
14:45-15:10	M. Kafesaki	Metamaterials for advanced electromagnetic wave control
15:10-15:35	D. Petrosyan	Quantum simulations and interfaces with Rydberg atoms
15:35-16:00	G. Deligeoris	Electronics using 2D and 1D nano materials; reality, possibility or utopia?
16:00-16:25	L. Lymperakis	Ab-initio based computational materials in synergy with experiment
<b><i>Coffee-break</i></b>		
	Chair: E. Aperathitis	
16:45-17:10	A.Mitraki	Self-assembly of minimal dipeptide building blocks through simulations and experiments
17:10-17:35	P. Loukakos	Femtosecond Laser Spectroscopy in Solid State
17:35-18:00	S. Pissadakis	Transducers and Designs for Optical Fiber Sensors
18:00-18:25	V. Binas	Advanced Materials and Devices for Environmental and Energy applications
<b>Poster Session</b>		
18:30-20:00		

## **Friday 16 December 2022**

	Chair: E. Pavlopoulou	
9:30-9:55	E. Iliopoulos	Aspects of III-Nitride semiconductors research: Towards energy production and quantum technologies applications
9:55-10:20	S. Tzortzakis	UNIS group: Taming strong laser and THz fields
10:20-10:45	K. Chrissopoulou	Polymer Nanocomposites: Correlating Structure with Properties
10:45-11:10	G. Filippidis	Non-linear optical microscopy for biological applications
11:10-11:35	G. Vasilakis	Precision measurements at the quantum interface between light and atomic spin ensemble
<b>Break for the Physics Department Event</b>		
	Chair: M. Konstantaki	
15:00-15:25	W. von Klitzing	Matter-Waves Lensing in Dynamic Wave-Guides
15:25-15:50	S. Sotiropoulou	Light and colour on Heritage objects: Analytical approach to retracing the original appearance and projecting it into the future
15:50-16:15	E. Filippidi	Unravelling associations of proteins with large intrinsic disorder
16:15-16:40	G. Zaharakis	Looking and listening to complex biological systems with novel biophotonics
<i>Coffee-break</i>		
	Chair: D. Anglos	
17:00-17:25	G. Kopidakis	Atomic-scale modeling of 2D nanostructures
17:25-17:50	E. Stratakis	The research activities of the Ultrafast Laser Micro- and Nano- Processing Lab of IESL-FORTH
17:50-18:15	A. Ranella	Approaches to studying cellular responses under the effect of extracellular signals
18:15-18:40	A. Klini	Nanostructured materials for optosensing applications
18:45-19:30	<b>Special Session- Discussion -Closing</b>	