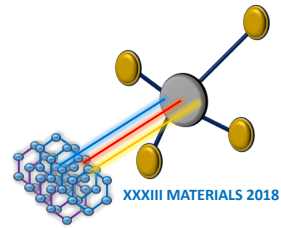


## CONFERENCE PROGRAM

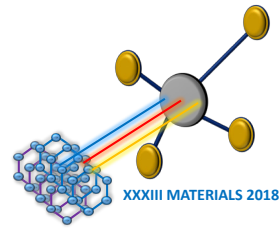
Conference Venue: New University Campus,  
 Building: Anastasios G. Leventis, Lecture Hall: B108  
 1 Panepistimiou Avenue 2109 Aglantzia, Nicosia. P.O. Box 20537, 1678 Nicosia, Cyprus

Monday 17 <sup>th</sup> September	
9.00-9.15	<b>Welcome</b>
<b>Session 1 Electronics, Photonics and Optoelectronics</b>	
9.15-10.00	<b>PLENARY</b> <b>Donal Bradley</b> Title
10.00-10.15	<b>Stelios Choulis</b> Device Engineering Concepts for Printed Photovoltaics
10.15-10.30	<b>Ioanna Zergioti</b> Laser Direct Printing of advanced materials for flexible electronic components and sensors
10.30-10.45	<b>Aristi Christofi</b> Strong Nonreciprocal Optical Effects in Multilayer Heterostructures and Metamaterials of Chiral and Magnetic Constituents
10.45-11.00	<b>Eleferios Lidorikis</b> Free-space electro-absorption modulation in a mobility-independent graphene-loaded Bragg resonator
11.00-11.30	<b>Coffee Break</b>
<b>Session 2 Surfaces, Nanomaterials and Low Dimensional Materials and Systems</b>	
11.30-12.00	<b>INVITED</b> <b>Leonidas Tsetseris</b> Probing established two-dimensional materials and designing novel systems
12.00-12.15	<b>Charis Theocharis</b> An AFM Study of the Synthesis of Modified Porous Titania and Ceria
12.15-12.30	<b>Kalliopi Trohidou</b> Effect of organic coatings on the magnetic properties and charge density distribution of Co ferrite nanoparticles systems.
12.30-12.45	<b>Dimitris Kechrakos</b> Magnetic properties of cylindrical nanowires with ferromagnetic core and antiferromagnetic shell – A Monte Carlo study
12.45-13.00	<b>Filimon Zacharatos</b> Laser Transfer of Ag nanowire networks and Au nanoparticle highly ordered arrays on flexible substrates
13.00-14.30	<b>Lunch Break</b>
<b>Session 3. Structural-dynamical and mechanical properties of condensed matter</b>	
14.30-15.00	<b>INVITED</b> <b>Andreas Delimitis</b> Structure Determination and Refinement Employing Transmission Electron Microscopy Techniques
15.00-15.15	<b>Dimitrios Bessas</b> Lattice Dynamics across a Magnetic Transition in Materials for Magnetocaloric Applications
15.15-15.30	<b>Marios Constantinou</b> Nanotribology of metal(Ag, Ti)-containing hydrogenated amorphous carbon thin films
15.30-15.45	<b>Stefanos Giaremis</b> Electronic and Structural Analysis of a-Type Edge Dislocations Along [10-10] Direction in GaN via MD and DFT Simulations
15.45-16.00	<b>Zoi Kotsina</b> Radiation Damage in W and Al during low temperature proton irradiation
16.00-16.30	<b>Coffee Break</b>
<b>Session 4 Polymers, Organic Materials and Biomaterials</b>	
16.30-16.45	<b>Achilleas Pipertzis</b> Polymerized Ionic Liquids with Polythiophene Backbones. Self-assembly, Thermal Properties and Ion Conduction



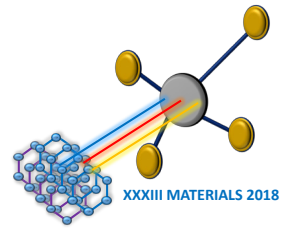
16.45-17.00	<b>Andreas Kourtellaris</b> Microporous Metal Organic Frameworks based on Pyridyl-Carboxylate ligands
17.00-17.15	<b>Christina Kyrou</b> Orientational order in mixtures of a nematic liquid crystal with anisotropic nanoparticles
17.15-17.30	<b>Dionysios Lyemperopoulos</b> 3D network formation from disc like particles: a simple model for graphene aerogels
17.45-19.30	<b>Poster Session - Reception</b>
19.30-20.30	<b>ΕΕΕΤΣΥ meeting</b>

<b>Tuesday 18<sup>th</sup> September</b>	
<b>Session 1 Strongly correlated systems, magnetism &amp; superconductivity</b>	
9.00-9.30	<b>INVITED</b> <b>George Kioseoglou</b> The effect of the dielectric environment on the spin-valley depolarization in WS <sub>2</sub> monolayers
9.30-9.45	<b>Anastasios Tasiopoulos</b> High Nuclearity, High Spin Mn Clusters Based on Decametallic Supertetrahedra
9.45-10.00	<b>Andreas Kaidatzis</b> Rare-earth lean Nd-Fe-Ti films for permanent magnets applications
10.00-10.15	<b>Katerina Skordi</b> MnII2MnIII4 cross-shaped clusters: Synthesis, Structure and Magnetism Studies
10.15-10.30	<b>Kyriakos Kyriakou</b> Berry curvatures investigations in topological systems: Non-hermitian contributions and topological stabilization
10.30-10.45	<b>Margarit Gjoka</b> Structure and magnetic properties of Nd <sub>0.4</sub> Zr <sub>0.6</sub> Fe <sub>10-x</sub> CoxSi <sub>2</sub> (x= 0-3) alloys and their ribbons
10.45-11.15	<b>Coffee Break</b>
<b>Session 2 Surfaces, Nanomaterials and Low Dimensional Materials and Systems</b>	
11.15-11.45	<b>INVITED</b> <b>Panos Patsalas</b> The implications of using ceramic conductors as alternative plasmonic materials
11.45-12.00	<b>Pantelis Trikalitis</b> Rational Design of Metal-Organic Frameworks using Reticular Chemistry Rules for Advanced Gas Storage/Separation Applications
12.00-12.15	<b>Rafaela-Maria Giappa</b> Theoretical study of water interaction with functionalized benzene molecules
12.15-12.30	<b>Theodoros Leontiou</b> Electronic and Transport properties of Three-Dimensional Nanographene
12.30-12.45	<b>Vassilios Gavriil</b> 2D nano-topology and entropy drives unidirectional current electric stability in semiconductive materials
12.45-13.00	<b>Xanthippi Zianni</b> Heat management in geometry-modulated nanostructures
13.00-14.30	<b>Lunch Break</b>
<b>Session 3 Electronics, Photonics and Optoelectronics</b>	
14.30-15.00	<b>INVITED</b> <b>L. Pallilis</b> Solution-processed polyoxometalates: Effective interfacial layers for improved efficiency and stability in hybrid organic optoelectronic devices
15.00-15.15	<b>Christos Tserkezis</b> Nonlocal optical response in the strong plasmon—exciton coupling
15.15-15.30	<b>Marios Zacharias</b> Ab-initio calculation of temperature-dependent absorption coefficients and band gaps using the special configuration method
15.30-15.45	<b>Dimitrios Bessas</b> European Synchrotron Radiation Facility



15.45-16.00	<b>Evangelos Evangelou</b> MOS structured memory devices with embedded laser annealed metal nanocrystals
16.00-16.30	<b>Coffee Break</b>
<b>Session 4 Ceramics, composites, minerals and metals</b>	
16.30-17.00	<b>INVITED</b> <b>Yaniv Gelbstein</b> Highly efficient telluride based thermoelectric Materials
17.00-17.15	<b>Aikaterini Iliadou</b> Impact energy absorption of constrained laminated ceramic-CFRP composites
17.15-17.30	<b>Demetris Photiou</b> Finite Element Modeling of Nanoindentation on Thin Films
17.30-18.00	<b>INVITED</b> <b>Neophytos Neophytou</b> Advanced simulation techniques for hierarchically disordered nanostructured thermoelectric materials
18.00-18.15	<b>Zacharias Viskadourakis</b> Electromagnetic shielding performance of 3D printed polymer composites
18.15-18.30	<b>Zois Michail Tsikriteas</b> Dielectric characterization of epoxy resin-Barium Zirconate nanocomposites
18.30-18.45	<b>Ioannis Rigopoulos</b> Carbon sequestration efficiency of nanoscale rock materials
18.45-20.30	<b>Poster Session</b>
21.00	<b>Conference Dinner</b>

<b>Wednesday 19<sup>th</sup> September</b>	
<b>Session 1 Polymers, Organic Materials and Biomaterials</b>	
9.00-9.30	<b>INVITED</b> <b>Vagelis Harmandaris</b> Molecular Simulations of Complex Polymeric Nanostructured Materials
9.30-9.45	<b>Marilena Mantela</b> Quasi-periodic and fractal polymers: energy structure and carrier transfer
9.45-10.00	<b>Maria Kanidi</b> Tunable wettability of thin polymer films
10.00-10.15	<b>Kiriaki Chrissopoulou</b> Tuning Polymer Crystallinity: The Case of Polymer Nanocomposites
<b>Session 2 Surfaces, Nanomaterials and Low Dimensional Materials and Systems</b>	
10.15-10.30	<b>Agamemnon Kalaitzis</b> Jet dynamics of Newtonian and non-Newtonian fluids via LIFT: Experimental study and simulation
10.30-10.45	<b>Constantinos Nicolaidis</b> Spin Pumping in Hybrid Organic-Inorganic Perovskite
10.45-11.15	<b>Coffee Break</b>
<b>Session 2 Surfaces, Nanomaterials and Low Dimensional Materials and Systems</b>	
11.15-11.45	<b>INVITED</b> <b>Constantinos Stoumpos</b> Halide Perovskites: The New Generation of Versatile, High Performance Inorganic Semiconductors
11.45-12.00	<b>Fotis Priftis</b> On the emergence of chirality in 2D systems composed of achiral particles
12.00-12.15	<b>George Froudakis</b> Chemically-intuited, large-scale screening of MOFs by machine learning techniques
12.15-12.30	<b>Loukas Koutsokeras</b> Synthesis and Optical response of hydrogenated amorphous carbon nanocomposite films with embedded metal nanoparticles



12.30-12.45	<b>Maria Fyta</b> Two-dimensional MoS <sub>2</sub> heterostructures: from straining to sensing
12.45-13.00	<b>Panagiotis Rodosthenous</b> The peculiar properties of GaSb nanocrystals
13.00-14.30	<b>Lunch Break</b>
<b>Session 2 Surfaces, Nanomaterials and Low Dimensional Materials and Systems</b>	
14.30-14.45	<b>Pavlos Nikolaou</b> Hemin modified SnO <sub>2</sub> /Metglas electrodes for the simultaneous electrochemical and magnetoelastic sensing of H <sub>2</sub> O <sub>2</sub>
14.45-15.00	<b>Adam Lantos</b> Topology in modern Solid State physics: From topological insulators to Weyl semimetals
15.00-15.15	<b>Paris Papagiorgis</b> Efficient Optical Amplification in Formamidinium Lead Iodide Perovskite Nanocrystals
<b>Session 3 Electronics, Photonics and Optoelectronics</b>	
15.15-15.30	<b>Sophia Hayes</b> Temperature-Dependent Excited State Evolution in a Conjugated Polymer
15.30-15.45	<b>Petros-Andreas Pantazopoulos</b> Photomagnonic nanostructures: A new class of multifunctional composite materials for controlling the light—spin-wave interaction
15.45-16.00	<b>Alexandros Panagiotis Dokouzis</b> Stability and performance of photoelectrochromic windows in real operating conditions
16.00-16.15	<b>Kleitos Stavrou</b> Fabrication and study of white-light OLEDs based on novel copolymers with blue, yellow and red chromophores
16.15	<b>Closing</b>