



International Conference and Expo on
Condensed Matter Physics
 September 25-27, 2017 Valencia, Spain

Day 1 September 25, 2017

Meeting Room

08:00-09:30	Registrations
09:30-09:35	Introduction
09:35-10:00	Opening Ceremony
	Keynote Sessions
10:00-10:30	Title: Experiments on Quantum and Classical magnetization reversal process in nanomagnets Javier Tejada , University Barcelona, Spain
10:30-11:00	Title: New Hybrid Bandgap Engineering: Rhombohedral Super-Hetero-Epitaxy Technology Sang H. Choi , NASA Langley Research Center, USA
11:00-11:15	Coffee Break
11:15-11:45	Title: Raman scattering analysis of thin film chalcogenide solar cells: Methodologies for quantitative assessment of nanolayers and interfaces Alejandro Perez-Rodriguez , University of Barcelona, Spain
11:45-12:15	Title: The Wonder of Nanoengineering Manijeh Razeghi , Northwestern University, USA
12:15-12:45	Title: Electromagnetic Metamaterials and the Applications : Convergence between Condensed-matter Physics and Photonics YoungPak Lee , Hanyang University, Korea
12:45-12:55	Group Photo
12:55-13:45	Lunch Break
Meeting Room	
Session 1	Scientific Sessions
Session Chair	Yet to be Finalised
Session Co-chair	Yet to be Finalised
13:45-14:05	Title: Optical properties in quasi-one dimensional III-V semiconductors Andres Cantarero , University of Valencia, Spain
14:05-14:25	Title: Unravelling Local Atomic Order Frank Haarmann , RWTH Aachen University, Germany
14:25-14:45	Title: Multifunctional Carbon Nanotube Fiber Belen Aleman , IMDEA Materials Institute, Spain
14:45-15:05	Title: Phase Transitions in Metal Oxide Semiconductors Induced by Laser Radiation Arturs Medvids , Riga Technical University, Latvia

15:05-15:25	Title: Anderson Transition in Metamaterials Kenneth M. Golden , University of Utah, USA
15:25-15:45	Title: Study of the angular momentum of light from plasmonic crystals H. C. Ong , The Chinese University of Hong Kong, Hong Kong
15:45-16:00	Coffee Break
16:00-16:20	Title: Theoretical evaluation of various physical parameters of metal hydroxides with brucite structure V. S. Harutyunyan , Yerevan State University, Armenia
16:20-16:40	Title: Antimicrobial photodynamic therapies and the need guidelines to standardized test to in vitro studies Rezusta A. , Universidad de Zaragoza, Spain
16:40-17:00	Title: Interaction between Like Charged Surfaces Medated by Multivalent Stiff Polyelectrolytes Klemen Bohinc , University of Ljubljana, Slovenia
17:00-17:20	Title: The Possibility of Band Gap Formation in Graphene by the Addition of Extra Graphene Layers Alexey Dementjev , NRC "Kurchatov Institute", Moscow
17:20-17:40	Title: The Nucleation and Growth Mechanisms of Cubic Zirconia Condensed on Porous NiO – Cubic ZrO ₂ at Electron Beam – Physical Vapor Deposition Oleksandr Vasylyev , Frantcevykh Institute for Problems of Materials Science, Ukraine
17:40-18:00	Title: The Presence of Superconducting behaviour in the Compound HgBa ₂ Ca _{n-1} Cu _n O _{2n+2+δ} for (n≥4) Emad K. Al-SHAKARCHI , Al-Nahrain University, Iraq
19:00-20:00	Cocktails
Day 2 September 26, 2017	
Meeting Room	
09:00-09:05	Introduction
Keynote Sessions	
10:00-10:30	Title: LATTICE STABILITY OF PEROVSKITE LATTICE and IT's EFFECT on VALENCE STABILITY of CATIONS by MADELUNG LATTICE SITE POTENTIAL Masahiro YOSHIMURA , National Cheng Kung University, Taiwan
10:30-11:00	Title: Nano-Porous Silicon Composites and Organic Structures as Fluorescent Sensors for Explosive Trace Detection Igor A. Levitsky , Emitech, Inc., USA
11:00-11:15	Coffee Break

Session 1	Scientific Sessions
Session Chair	Yet to be Finalised
Session Co-chair	Yet to be Finalised
11:15-11:35	Title: Phase Transitions and Thermal and Mechanical Reversibility in Shape Memory Alloys Osman Adiguzel , Firat University, Turkey
11:35-11:55	Title: In silico infrared spectroscopy of macromolecules in solution Isabella Daidone , University of L'Aquila, Italy
11:55-12:15	Title: Who has seen a free photon? Hayato Saigo , Nagahama Institute of Bio-Science and Technology, Japan
12:15-12:35	Title: Oxygen Adsorption on Boron-Nitride Nanoribbons Atomically Functionalized with Carbon P. Navarro-Santos , Universidad Michoacana de San Nicolas de Hidalgo, Mexico
12:35-12:55	Title: Modelling the Asymmetric Magnetic Recording Heads with an Underlayer Using Multiple-Images Method Ammar Edress Mohmaed , Duhok Polytechnic University, Iraq
12:55-13:45	Lunch Break
Session 2	Symposium/Session on Magnitism
Session Chair	Yet to be Finalised
Session Co-chair	Yet to be Finalised
13:45-14:05	Title: Transformation of magnetite/hematite epitaxial bilayers by low energy ion bombardment M. A. Garcia , UCM-CSIC, Spain
14:05-14:25	Title: Studying the 3D magnetization of ultrathin and antiphase-boundary free spinel crystals Adrian Quesada , Instituto de Cerámica y Vidrio (CSIC), Spain
14:25-14:45	Title: Non-standard MFM imaging Agustina Asenjo , CSIC, Spain
14:45-15:05	Title: Annealed gold films as template of gold@iron nanostructures Victor Lopez-Dominguez , Instituto de Cerámica y Vidrio (CSIC), Spain
15:05-15:25	Title: Antonio Hernando Grande , CSIC, Spain
15:25-15:45	Title: The New Stage of Development of Sm ₂ Fe ₁₇ N ₃ Magnets Nobuyoshi Imaoka , AIST & Asahi Kasei Corporation, Japan
15:45-16:00	Coffee Break
Poster Presentations on Day 2 September 26, 2017	
P-001	Title: DIAGRAMATIC DESCRIPTION OF MAGNON- MAGNON INTERACTIONS: EFFECTIVE FIELD THEORY VS. GF METHOD M. Pavkov-Hrvojević , University of Novi Sad, Serbia

P-002	Title: Auto-emission properties of surface-modified silicon crystals with n and p type conductivity Valeri Timoshenkov , University of Electronic Technology, Russia
P-003	Title: Novel luminescent system Gd ₃ Ga ₃ Al ₂ O ₁₂ doped with Eu, Tb and Ce ions Piotr Solarz , Institute of Low Temperature and Structure Research PAS, Poland
P-004	Title: Spin Orbit Coupled Bose Einstein Condensate in a Two Dimensional Bichromatic Optical Lattice Zuleyha Oztas , Anadolu University, Turkey
P-005	Title: Silica microstructural and mechanical characterization intended for photovoltaic application Aissa kefaifi , CRTSE, Algeria
P-006	Title: Metal modified B-N@Graphene for highly selective toxic gas sensor Md Delowar Hossain , The Hong Kong University of Science and Technology, Hong Kong
P-007	Title: CHARACTERISTICS OF NANOSECOND DISCHARGE IN AIR IN "NEEDLE – ELECTROLYTE SURFACE "ELECTRODE SYSTEM" V.I. Chyhin , Land Forces National Academy, Ukraine
P-008	Title: Valorization of kerf slurry waste: An updated Review T.Oulimane , CRTSE, Algeria
Day 3 September 27, 2017	
Meeting Room	
Session 1	Scientific Sessions
Session Chair	Yet to be Finalised
Session Co-chair	Yet to be Finalised
10:00-10:20	Title: Extension of Dynamic and Thermodynamic Models of Colloids to Higher Concentrations by Adding an Extra Dimension Miroslav Grmela , École Polytechnique de Montreal, Canada
10:20-10:40	Title: A reversible large resonant frequency tuning and static deflection of cantilever nanobeam via a phase transformation of sputtered NiTi film Ivo Stachiv , Czech Academy of Sciences, Czech Republic
10:40-11:00	Title: Building spectral patterns to distinguish the canonical amide forms in solution: Contribution for metal assisted peptide bond cleavage reactions Wagner A. Alves , Federal University of Rio de Janeiro, Brazil
11:00-11:15	Coffee Break
11:15-11:35	Title: Novel composite carbon materials and their applications in condensed matter physics Olga E. Glukhova , Saratov State University, Russia

11:35-11:55	Title: Lyotropic Liquid Crystalline Nanoparticles are Biomimetic Nanostructures for Drug Delivery Marco Vinicius Chaud , University of Sorocaba, Brazil
11:55-12:15	Title: Transmission Electron Microscopy characterization of the uniaxial relaxor SBN (Sr _{0.67} Ba _{0.33} Nb ₂ O ₆) Sonia Estrade , Universitat de Barcelona, Spain
12:15-12:35	Title: A direct test for matter-antimatter – Imbalance in the Universe, and how we detect it Petteri Pusa , University of Liverpool, UK
12:35-12:55	Title: Biexciton signatures in time-resolved photoluminescence of CdSe/CdS/ZnS quantum dots V. I. Pavlenko , Academy of Sciences of Moldova, Republic of Moldova
12:55-13:15	Title: Removal of copper and fluoride from mixed Cu-CMP and fluoride bearing wastewaters by electrocoagulation Nadjib DROUCHE , CRTSE, Algeria
13:15-14:00	Lunch Break

*****Note: This is a Tentative Program, it is Subjected to slight changes till Final Program**

Media Partners

