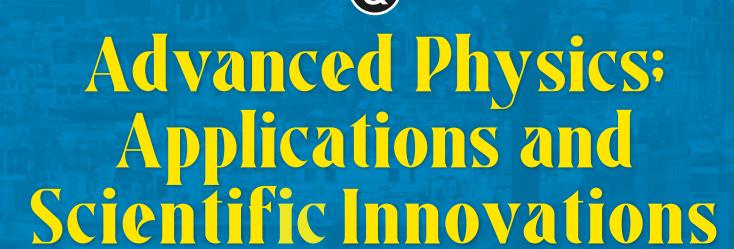


Joint Event

Advanced Nanotechnology and Nanomaterials



September 19-20, 2024 Barcelona, Spain

SCIENTIFIC PROGRAM

NANO INTELLECTS 2024 & ADV. PHYSICS 2024





08:30-09:00	Registrations	
09:00-09:10	Opening Ceremony	
Moderator	Francois HENN, Université de Montpellier, France	
Chair	Ricardo Vera-Graziano, Instituto de Investigaciones en Materiales, UNAM, México	
Topics: Nanoscience and Technology Nano Medicine Nano Polymers Nano Physics Nano Chemistry Robotics Artificial Intelligence Graphene Materials Science and Engineering Physics Materials Physics Optics and Photonics Quantum Materials and Quantum Computing		
Distinguished Speaker Talks		
09:10-09:35	Title: 2D magnetic memory based on graphene nanoribbons spin-valves Wen-Jeng Hsueh, National Taiwan University, Taiwan	
09:35-10:00	Title: Confinement of a biologic ionic channel in a SWCNT Francois HENN, Université de Montpellier, France	
10:00-10:25	Title: Antiviral property of nanoclusters-grafted photocatalysts under indoor light illumination Masahiro Miyauchi, Tokyo Institute of Technology, Japan	
10:25-10:50	Title: Modulation of spontaneous activity in Embryonic Cardiomyocytes cultured on Poly (Vinyl-Alcohol)/Bioglass Type 58S Electrospun Scaffolds Ricardo Vera-Graziano, Instituto de Investigaciones en Materiales, UNAM, México	
10:50-11:15	Title: Restructuring consciousness through the Symintentry Hypothesis David Rail, Consultant Neurologist, Australia	
Group Photo 11:15-11:20		
Refreshment Break 11:20-11:35		
11:35-12:00	Title: Surprises in the return-rates of photons from a mirror on the Moon	

Hans Deyssenroth, Germany

12:00-12:25	Title: Classical galvanomagnetic effects as a means of studying solids Yurii Uhryn, Ivan Franko Drohobych State Pedagogical University, Ukraine		
12:25-12:50	Title: Porous hexagonal RuSe ₂ thin films are obtained at low temperature using the simple spray pyrolysis		
	Beya OUERTANI, University of Carthage, Tunisia		
12:50-13:15	Title: Investigating power loss in a wind turbine using real-time vibration signature		
	Kingshuk Banerjee & Vishwaas Narasinh, Hitachi India Pvt. Ltd, India		
Group Photo 13:15-13:20			
Lunch Break 13:20-14:05			
14:05-14:30	Title: Zinc oxide nanoparticles exacerbate skin epithelial cell damage by upregulating pro-inflammatory cytokines and exosome secretion in M1 macrophages following UVB irradiation-induced skin injury Ying-Jan Wang, National Cheng Kung University, Taiwan		
14:30-14:55	Title: Development of small and large compressive pulses in two phase flow Meera Chadha, DST Centre of Excellence in Climate Modelling, IIT Delhi, India		
14:55-15:20	Title: Numerical evidence of hidden chaotic attractors in integer-order and fractional-order systems Marius-F. Danca, Babes-Bolyai University, Romania		
15:20-15:45	Title: Use of nanotechnology and liability in the Italian law system Giovanna Capilli, San Raffaele University, Italy		
15:45-16:10	Title: SEE failure analysis of Hi-rel ASIC for spacecraft applications K. Padmapriya, U R Rao Satellite Centre, ISRO, India		
	Refreshment Break 16:10-16:25		
16:25-16:50	Title: Development of a technology for applying high-temperature coatings to metal particles for subsequent 3D printing Manisha Chauhan, Ariel University, Israel		
16:50-17:15	Title: Preparation and investigation of Montmorillonite-K10 polyaniline nanocomposites for optoelectronic applications Ramsha Idrees, Pakistan Institute of Engineering and Applied Sciences, Pakistan		

17:15-17:40	Title: Photovoltaic performance investigation of solar cells based on different compositions of perovskite absorber layer Samaneh Soleimani-Amiri, Babol Noshirvani University of Technology, Iran
17:40-18:05	Title: Investigation of Rietveld refinement and corrosion behaviour of Al- TiO ₂ nanocomposite produced using air plasma spray and accumulative roll bonding method Hamed Aminian, Semnan University, Iran
18:05-18:30	Title: Hybrid classical-quantum transfer learning for text classification Mohammad Mahdi Nasiri Fatmehsari, Pasargad Institute for Advanced Innovative Solutions, Iran
18:30-18:55	Title: Temporal dynamics of Lung-Deposited Surface Area (LDSA) in Central Los Angeles: Diurnal and seasonal patterns Constantinos Sioutas, University of Southern California, USA





09:55-10:00

Introduction

Topics: Nanoscience and Technology | Nano Medicine | Nano Polymers | Nano Physics | Nano Chemistry | Robotics | Artificial Intelligence | Graphene | Materials Science and Engineering | Physics | Materials Physics | Optics and Photonics | Quantum Materials and Quantum Computing

Distinguished Speaker Talks		
10:00-10:25	Title: Investigation of nano- and micro-sized amorphous materials under the influence of high-energy radiation Mohammed Faeq Mohammed Sabri, Koya University, Iraq	
10:25-10:50	Title: No infections, no failure: 30,000 human implanted nanotextured orthopedic implants and counting Thomas J. Webster, 12 Start-up Companies, Mansfield Bioincubator, USA	
10:50-11:15	Title: Approaches in line with human physiology to prevent skin aging Nazli Karimi, Hacettepe University, Turkey	
11:15-11:40	Title: Introducing the Vitrification potential as a poly-categorial glass-forming ability criterion for metallic glasses Abdelmalek ROULA, Mohamed Seddik Ben Yahia University of Jijel, Algeria	
Panel Discussion		

End of Day 2

Nano Intellects 2024 & Adv. Physics 2024





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