



Day 1		24-Apr-19
April 24-26, 2019		Scientific Program
09:00-09:30	Registrations	
09:30-09:45	Opening Ceremony	
Keynote Forum		
09:45-10:00	Introduction	
Keynote		
10:00-10:30	Title: Efficient H ₂ Production from H ₂ O Using Visible Light-Responsive g-C ₃ N ₄ , h-BCN and TiO ₂ Thin Film Photocatalysts.	
	Masakazu Anpo, Fuzhou University, China	
10:30-11:00	Title: Computational Exploration and Design of Nanoscale Devices and Sensors	
	Jerry Bernholc, North Carolina State University, USA	
Coffee break: 11:00-11:30		
Session 1		
Ghaphene Technologies		
Materials Processing and Product Manufacturing		
Ceramic and Glass Materials		
Materials Science and Engineering		
Session Chair :		Yixin Shao, McGill University, Canada
11:30-11:55	Title: Graphene-metal oxide based nanocomposites as efficient electrode materials for supercapacitor applications.	
	Ramasamy Jayavel, Anna University, India	
11:55-12:20	Title: The manufacturing of graphene-reinforced nanocomposites using severe plastic deformation technique	
	Yi Huang, Bournemouth University, UK	
12:20-12:45	Title: Carbonation-induced nano-particles for concrete	
	Yixin Shao, McGill University, Canada	
12:45-13:10	Title: Copper-Aluminum-Manganese Bar Connections for Earthquake-Resilient Bridges.	
	M. Saiid Saiidi, University of Nevada, USA	
Lunch: 13:10-14:20		
Session 2		
Materials Science-Fundamentals & Characterization		
Session Chair :		Jianwei Xu, A*STAR, Republic of Singapore
14:20-14:45	Title: Conducting polymers for efficient thermoelectric materials and modules	
	Jianwei Xu, A*STAR, Republic of Singapore	
14:45-15:10	Title: Investigation of memory effects realized during order-disorder phase transitions in Cu-Pt alloys at the nanoscale.	
	Chaplygina Aleksandra, Polzunov Altai State Technical University, Russia.	
Coffee break: 15:10-15:30		
15:10-15:35	Title: Rare-earth metal oxyhydrides as a novel class of functional materials.	
	Evgenii Strugovshchikov, University of Tartu, Estonia.	

Morning session

Evening session

	15:35-16:00	Title: Fitting and analysis of a multilayer model for measuring thermal properties of thin films by thermoreflectance approach.
		Elie BADINE , Université du Littoral Côte d'Opale, Dunkerque, FRANCE
	16:00-16:25	Title: Mass and Green Fabrication of Nanofibers by Melt Differential Electrospinning.
		Chen Mingjun , Beijing University of Chemical Technology, China.
Day-2 25-Aug-17		
		KEYNOTE
	09:00-09:30	Title: Effect of the relative content of the metal component on the substructure of Cox (MgF2) 1-x nanocomposites .
		Evelina Domashevskaya , Voronezh State University, Russia
	09:30-10:00	Title: Duality: A Quantum Entanglement with the Chinese Taiji.
		Alex Kung-Hsiung CHANG , Pingtung University of Sci. & Tech. TAIWAN
		Session 1
		Nanomaterials
		Applications of Nanotechnology
		Nanotechnology for Energy and the Environment
		Session Chair : Rajesh Bhandary, Laboratoire des Physique des Solides, France.
Morning session	10:00-10:25	Title: Preparation and characterization of multi-wall carbon nanotubes polymer composites.
		ELHAM SADEK , Egyptian Petroleum Research Institute (EPRI), Egypt.
	10:25-10:50	Title: Optical and sensing properties of thin films from Na-X zeolites synthesized from fly ash.
		Katerina Lazarova , Bulgarian Academy of Sciences, Bulgaria.
	10:50-11:15	Title: Electroconductive natural polymer matrix with a framework of branched carbon nanotube network for cell and tissue engineering
		Olga E. Glukhova , Saratov State University, Russia
		Coffee break: 11:15-11:45
	11:45-12:10	Title: Four-dimensional electron microscopy studies of dynamics and structures of nanomaterials.
		Jau Tang , Wuhan Universities, Wuhan, China
	12:10-12:35	Title: Synthesis of Al2O3-ZrO2-CuO Nano Composites for the treatment of carcinogenic dyes from waste water
	Zulfiqar Ali , Quaid-e-Azam University Campus, Islamabad.	
12:35-13:00	Title: Presence of water in hydrophobic geo-inspired imogolite-like nanotubes.	
	Rajesh Bhandary , Laboratoire des Physique des Solides, France.	
		Lunch: 13:00-14:10
Evening session	14:10-14:35	Title: Efficiency Improvement in Dye-Sensitized Solar Cells by Modify Titanium Dioxide Formation on Supercritical Carbon Dioxide Fluid Synchronous Dyeing.
		Shen-Kung Liao , Feng Chia University, Taichung, Taiwan
	14:35-15:00	Title: Novel technique of laser chromosome welding for chromosome repair and artificial chromosome creation
		Yao-Xiong Huang , Ji Nan University, Guang Zhou, China
	15:00-15:25	Title: Composite Polymer for Hydrogen Storage Application
	Rolando Pedicini , Institute for Advanced Energy Technologies, Italy	
	15:25-15:50	Title: A resistive switching memory behavior with a negative differential resistance effect at room temperature

	Feng Yang , Southwest Jiaotong University, China
	Coffee break: 15:50-16:10
16:10-16:35	Title: Mechanism of control the size/shape of nanoparticle composition.
	Ahmad Yazdani , Tarbiat Modares University, Iran

Day-3		26-Aug-17	
POSTERS			
1	Title: In vitro and in vivo Antibacterial Activity of Chitosan-Monoterpenes Nanoparticles for Minced Meat Preservation		
	Tesby Mohamed rashad Lofty , Alexandria University, Egypt		
2	Title: Preparation of Cellulose Nanofibrils from Different Chemical and Mechanical Pulps		
	Guihua Yang , Qilu University of Technology, China		
3	Title: Effects of cellulose nanofibrils with different addition methods on pulp drainability and paper properties		
	Ming He , Qilu University of Technology, China		
4	Title: Investigation of an optimal modifier for copper/carbon nanostructures for medico-biological technologies		
	Irina Shabanova Izhevsk, Russian Academy of Sciences, Izhevsk		
5	Title: Luminescence Property of III-Nitride Composit Nanowires		
	Hue-Min Wu , Chinese Culture University, Taiwan.		
6	Title: Photo-tunable thermoelectric materials based on fillerence-C60-PEDOT polymer composites		
	ZHOU Hui , Institute of Materials Research and Engineering, Singapore		
7	Title: Spiropyran-capped LiYF4 nanocrystals with photoswitchable luminescence via fluorescence resonance energy transfer.		
	Ping-szu Tsai , National Kaohsiung University of Science and Technology, Taiwan		
8	Title: Pd-based Electrocatalysts modified by Ru and Ag to act in a fuel cell		
	Josimar Ribeiro , Universidade Federal do Espírito Santo, Brazil		
9	Title: Effect of hydrogen on the formation of multilayer nanostructures [(Co45Fe45Zr10)35 (Al2O3)65/α-Si:H]100 and [(Co45Fe45Zr10)35(Al2O3)65/α-Si]120		
	Evelina Domashevskaya , Voronezh State Technical University, Voronezh		
10	Title: Interatomic interactions and the phase composition of buried dielectric interlayers in the amorphous multilayer nanostructure [(Co45Fe45B10)60C40/SiO2]200.		
	Evelina Domashevskaya , Voronezh State Technical University, Voronezh		
11	Title: Polymer Composites of PEDOT:PSS and Silver Nanostructures for Thermoelectric (TE) Applications		
	Zhu Qiang , Institute of Materials Research and Engineering, Singapore		
12	Title: PEDOT:PSS doped with carboxylic acid-modified carbon nanotube for improvement in electrical conductivity, surface morphology and thermoelectric performance		
	Soo Debbie , Institute of Materials Research and Engineering, Taiwan		
13	Title: Polypyrrole coated kapok fiber/carbon nanotubes blends based flexible all-solid-state supercapacitors		
	Rong-Ho Lee , Taiwan		
14	Title: Sustainable absorber foams Diatomite-Graphene based for removal of Cd (II) from wastewaters		

	Barbara Galzerano , <i>University of Naples Federico II, Naples, Italy</i>
15	Title: Design of novel organic-inorganic Hybrid Polyurethane foams
	Letizia Verdolotti , <i>National Research Council, Naples, Italy</i>
16	Title: Magnetic nanoparticles as nanocarriers for multienzyme immobilization
	Haralambos Stamatis , <i>University of Ioannina, Greece</i>
17	Title: Enzyme-inorganic hybrid magnetic nanoflowers as efficient tool for biotransformations
	Haralambos Stamatis , <i>University of Ioannina, Greece</i>
18	Title: Antioxidant nanoparticles for cancer treatment: obtaining and biological evaluation
	Oana Dragostin , <i>University "Dunarea de Jos," Galati, Romania</i>
19	Title: Development of effective nanobiocatalysts through the immobilization of enzymes on porous magnetic nanoparticles
	ANGELIKI POLYDERA , <i>University "Dunarea de Jos," Galati, Romania</i>
20	Title: High-intensity red up-conversion emission of GdF₃:Er³⁺, Yb³⁺ fabricated by simple and green co-precipitation process
	Tamara Gavrilovic , <i>University of Latvia, Latvia</i>
21	Title: Adsorption of iron (III) and bismuth (III) ions onto micro- and macroporous glasses
	Anastasiia Kuznetsova , <i>St. Petersburg State University, Russia</i>
22	Title: Photoluminescence properties improvement of (La_{0.97}Pr_{0.03})VO₄ single-phased white light emitting phosphor via PEG additions
	Yee-Shin Chang , <i>National Formosa University, Taiwan</i>
23	Title: Structure and photoluminescence properties for Pr³⁺ ion doped LaVO₄ phosphors annealed at 600 °C
	Yee-Shin Chang , <i>National Formosa University, Taiwan</i>
24	Title: Colloid-chemical approach for the obtaining of composite oxide nanostructured materials using the method of low-temperature sol-gel synthesis employing aluminum and silicon aerioxides with the additives of ZrO₂ and CeO₂
	Sychev Dmitrii , <i>St. Petersburg State University, Russia</i>
25	Title: Electrical conductivity responses of ZSM-5, mordenite, ferrierite, beta, Y, 3A, 4A, 5A, and 13X zeolites towards sulfur dioxide and its sensing response improvement by compositing with conductive poly(p-phenylene)
	Pongpol Choeichom , <i>Chulalongkorn University, Bangkok</i>
26	Title: Synthesis of core-shell SiC/SiO₂ Nanowires: experimental studies on the different steps of the growth
	Giovanni Attolini , <i>Institute of Materials for Electronics and Magnetism, Italy</i>
27	Title: Thermal insulation with 2D materials: liquid phase exfoliated vermiculite functional nanosheets
	Agnieszka Mikołajczak , <i>Adam Mickiewicz University in Poznań, Poland</i>
28	Title: Effects of the annealing temperatures on the structure and photoluminescence properties for La_{0.995}Pr_{0.005}VO₄ phosphor
	Lay-Gaik Teoh , <i>National Pingtung University of Science and Technology, Taiwan</i>
29	Title: Synthesis and Characterization of Chemically Synthesized Conductive Poly(N-methylaniline) Based on Surfactant Template and Doping
	Chatrawee Direksilp , <i>Chulalongkorn University, Bangkok</i>
30	Title: The effect of sintering temperature on the mechanical and electrical properties of Cu-MAX (Ti₂AlN) composites obtained by hot pressing

	Christopher Salvo , <i>University of Concepcion, Chile</i>
31	Title: Application of flash sintering in NiO-GDC composite
	Jonathan Usaba Valdebenito , <i>University of Concepcion, Chile</i>
32	Title: Study of Transport Properties of cis/trans Retinal in graphene structures
	Camelia Visan , <i>Horia Hulubei National Institute for Physics and Nuclear Engineering, Romania</i>
33	Title: Hydrogen Storage on Activated Carbons from Natural Wastes
	Marco F. Gatto , <i>Università degli Studi di Messina, Italy</i>
34	Title: Fabrication of porous nanofibers doped with Ag/ZnO nanocomposite via continuous electrospinning to produce versatile oil/water separating sorbents
	Ali El-Samak , <i>Qatar University, Qatar.</i>
35	Title: Valorization of residual extract of hydro- distillation process for obtaining silver nanoparticles: Potentialities as antimicrobial agent against Xanthomonas axonopodis pv. phaseoli.
	María del Carmen Travieso , <i>National Center for Animal and Plant Health, Cuba</i>
36	Title: Synthesis and surface modification of LiYF₄: Yb³⁺/Er³⁺/Ho³⁺/Tm³⁺@LiYF₄: Yb³⁺ as a fluorescent probe in sensing Hg (II)
	TZONG-LIU WANG , <i>National University of Kaohsiung, Taiwan</i>
37	Title: Photocatalytic oxidation of ethylene using natural zeolite doped with transition metal oxide nanoparticles
	Hector Valdes Morales , <i>Universidad Católica de la Santísima Concepción, Chile</i>
38	Title: Graphene quantum dots capped with gold nanoparticles for highly sensitive electrochemical detection of dopamine
	Hector Valdes Morales , <i>Universidad Católica de la Santísima Concepción, Chile</i>
39	Title: Copper supported on nanostructured mesoporous titanium-cerium mixed oxide for ethyl acetate oxidation: Effect of preparation procedure.
	Gloria Issa , <i>University of Jan Evangelista Purkyne, Czech Republic</i>
40	Title: Fully transparent oxide materials hafnium-doped zinc oxide and TFTs
	Dedong Han , <i>Peking University, China</i>

Awards & Closing Ceremony