SCIENTIFIC FEDERATION
ABODE FOR RESEARCHERS

3rd Global Nanotechnology Congress and Expo

August 21-23, 2017 Dallas, USA

Day 1 August 21, 2017	
Meeting Room	
08:00-09:30	**Registrations**
09:30-09:35	**Introduction**
09:35-10:00	**Opening Ceremony**
	Keynote Sessions
10:00-11:00	**Title:** High-performance, heteroepitaxial, nanolaminate device layers on single-crystal-like, artificial substrates and controlled self-assembly of nanostructures within device layers for wide-ranging electrical and electronic applications **Amit Goyal**, Oak Ridge National Laboratory, USA
11:00-11:15	**Coffee Break**
11:15-11:45	**Title**: Smart Wireless Sensor Systems for Monitoring and Treatment of Atrial **Vijay K. Varadan**, Pennsylvania State University, USA
11:45-12:15	**Title**: Morphology-genetic Materials Inspired from Nature Species **Di Zhang**, Shanghai Jiao Tong University, China
12:15-12:45	**Title**: Yet to be Confirmed
12:45-12:55	**Group Photo**
12:55-13:45	**Lunch Break**
Meeting Room	
Session 1	**Nanomaterials** **Carbon Nanomaterials**
Session Chair	**Yet to be Finalised**
Session Co-chair	**Yet to be Finalised**
13:45-14:05	**Title:** Thermoacoustic sound projector: Beyond the fundamental efficiency of carbon nanotubes **Ali E. Aliev**, University of Texas at Dallas, USA
14:05-14:25	**Title**: Synthesis of Self-supported CuO and CuMOx nanogrids **Gagan Jodhani**, University of Texas at Arlington, USA
14:25-14:45	**Title**: Block Copolymer Nanocomposites: Design of nanomaterials undergoing hierarchical self-assembly in the semi-dilute regime **Barbara Capone,** Universita degli Studi Roma Tre, Italy
14:45-15:05	**Title**: Novel Techniques of Two-Dimensional Non-Carbon Nanomaterials and Their Energy-Environmental Applications **Deliang Chen**, Dongguan University of Technology, China

15:05-15:25	**Title**: Effects of Group-Velocity Dispersion on Mid-Infrared Quantum-Cascade Lasers with Ring/Fabry-Perot cavities **Jing Bai**, University of Minnesota Duluth, USA
15:25-15:45	**Title**: Pore Formation Described by the Universal Phase Diagram **Peng-Sheng Wei**, National Sun Yat-Sen University, Taiwan
15:45-16:00	**Coffee Break**
16:00-16:20	**Title**: Carbon Composite films for High-Performance Energy Storage Materials **Zhenyu Yang**, Dongguan Univeristy of Technology, China
16:20-16:40	**Title**: Structural characterization of fullerene clusters in mixtures **Dorota Chudoba,** Adam Mickiewicz University, Poland
16:40-17:00	**Title**: Effects of the Structure of Carbon Based Additives on Energetic Reaction Kinetics **Oliver Mulamba**, West Texas A&M University, USA
17:00-17:20	**Title**: Synthesis of Rare Earth doped CdWO4 Nano Phosphor **M Srinivas,** The M.S.University of Baroda, India
17:20-17:40	**Title:** The synthesis of new-type photocatalyst NaYF4:Yb3+,Er3+@BiOCl **Shiyu Zhou**, Chongqing University, China
17:40-18:00	**Title**: Multifunctional Paper Strip Based on the Graphene-AgNPs Hybrids for SERS Detection **Cheng Yang,** Shandong Normal University, China
19:00-20:00	**Cocktails**
Meeting Room 2	
Session 2	**Nanomaterials** **Carbon Nanomaterials**
Session Chair	**Yet to be Finalised**
Session Co-chair	**Yet to be Finalised**
13:45-14:05	**Title:** Green Production of Bioethanol using Solar Steam Generated with Nanoparticles **Oara Neumann**, Rice University, USA
14:05-14:25	**Title:** Ultra-low power wavelength conversion in a silicon waveguide **Hongjun Liu**, Chinese Academy of Science, China
14:25-14:45	**Title**: Mathematical modelling of nanofluid models **Rashid Ahmad**, University of Queensland, Australia
14:45-15:05	**Title**: Synthesis and chemical disorder in Sn0.2FexCr1.8-xO3 nanoparticles **Kalengay Mbela,** University of KwaZulu Natal, South Africa
15:05-15:25	**Title**: Ultrasonic and Thermal Conductivity Study of CuO nanofluid **S V Ranganayakulu**, Guru Nanak Institutions Technical Campus (Autonomous), India
15:25-15:45	**Title**: Synthesis and Characterization of Al-Cu nanocomposites **Sanathana Ravi**, Rural Development Society, India

15:45-16:00	**Coffee Break**
16:00-16:20	**Title**: Reactor pressure vessel steel smart behavior as a consequence of nanostructure evolution during **Evgenii Krasikov**, National Research Centre "Kurchatov Institute", Russia
16:20-16:40	**Title**: 2D Nanostructures for Thermoacoustic Projectors **Daniel Codoluto,** University of Texas at Dallas, USA
16:40-17:00	**Title**: High-performance Electrochemical Capacitors based on Spinel Cobaltite Nanostructured Electrodes for Energy Storage Applications **R. Jayavel**, Anna University, India
17:00-17:20	**Title**: Simulation on Ti/Steel Composite Plates in Explosive Welding **Min Zhang,** Xi'an University of Technology, China
17:20-17:40	**Title:** Singular effects of boundary, defect in the critical phenomena **Xintian Wu**, Beijing Normal University, China
17:40-18:00	**Title:** SMART CONTROL of THE DROPLET MOTION ON ANISOTROPIC SLIPS **Liping Heng**, Beihang University, China
19:00-20:00	**Cocktails**
Day 2 August 22, 2017	
Meeting Room	
09:00-09:05	**Introduction**
Session 1	**Nanomedicine and Biomedical Engineering**
Session Chair	**Yet to be Finalised**
Session Co-chair	**Yet to be Finalised**
10:00-10:20	**Title:** 3D nanostructured bone-like biocomposites focus in tissue regeneration and as a model support for studying cancer related bone metastasis **Nilza Ribeiro**, INEB/i3S, Portugal
10:20-10:40	**Title**: Low cost, portable, high sensitive chemiresistive breath diabetes sensor based on semiconducting nanomaterials **Danling Wang**, North Dakota State University, USA
10:40-11:00	**Title**: Fishes Out of Water: Me and the Clip **Christine Lee**, Mayo Clinic, USA
11:00-11:15	**Coffee Break**
11:15-11:35	**Title:** Osteogenic Differentiation of Mesenchymal Stem Cells in Nanofibrous Environment **George Altankov**, Institute for Bioengineering of Catalonia, Spain
11:35-11:55	**Title:** Anti-Flt1 gold nanoparticle complex exhibits VEGFR-decoy and Coulomb-nanoradiator beacon for the treatment of retinal oxi-dative stress and vascular diseases **J-K. Kim,** Catholic University of Daegu, Korea

11:55-12:15	**Title**: Smart multifunctional erlotinib loaded SPION as a biomarker for treatment response prediction of metastatic cancers **Ahmed Atef Ahmed Ali**, Academia Sinica, Taiwan
12:15-12:35	**Title**: Synthesis of MOFs nanostructures for pH-responsive anticancer drug delivery and chemo/photothermal combinational cancer therapy **Qianwang Chen**, University of Science and Technology of China, China
12:35-12:55	**Title:** Preparation of Metformin HCL Nanoparticles as sustained release carrier by applying 32-level factorial design approach for better patient compliance **Vinod Jagannathrao Mokale**, Dr. Babasaheb Ambedkar Marathwada University, India
12:55-13:45	**Lunch Break**
Session 2	**Advancements in Material Science**
Session Chair	**Yet to be Finalised**
Session Co-chair	**Yet to be Finalised**
13:45-14:05	**Title:** Propylene Glycol Polymer Selectively Induces the Probiotic Activity of Skin Microbiome and Functions as an Antibiotic Adjuvant to Reduce the Required Dose of Clindamycin for Treatment of Acne Vulgaris **Chun-Ming Huang,** National Central University, Taiwan
14:05-14:25	**Title:** Nanostructured Dielectric Materials for Next Generation of High Energy Storage Capacitors **Qiming Zhang**, The Pennsylvania State University, USA
14:25-14:45	**Title**: Advanced shape memory polymer nanocomposites **Libor Matějka**, Academy of Sciences of the Czech Republic, Czech Republic
14:45-15:05	**Title**: Systematic Analysis of Nanotechnology and Toxicological Issues **Antonio C. Guastaldi**, UNESP – Univ Estadual Paulista, Brazil
15:05-15:25	**Title:** SSR Based Molecular Analysis of Olive Genotypes in Southern Anatolia Region **Ebru SAKAR**, Harran University, Turkey
15:25-15:45	**Title**: Electromagnetic shielding, mechanical and viscoelastic behavior of multi-walled carbon nanotubes reinforced poly(ether-ketone) nanocomposites **Veena Choudhary**, Indian Institute of Technology Delhi, India
15:45-16:00	**Coffee Break**
Poster Presentations on Day 2 August 22, 2017	
P-001	**Title:** Confinement effect on melting in nanopores **Monika Jazdzewska**, AMU/JINR, Poland

P-002	**Title:** Self-Assembly of Semiconducting Polymers in Cylindrical Geometry **Jeong Jae Wie**, Inha University, Korea
P-003	**Title**: New multidisciplinary therapeutic approaches of magnetic nanomedicine and targeted drug delivery for personalized cancer treatment **Catalano Enrico**, University of Oslo (UiO), Norway
P-004	**Title**: Synthesis of ion-exchange polymer membranes using supporting membranes for capacitive deionization **Oneeb ul Haq**, Chonbuk National University, Korea
P-005	**Title:** Detection and evaluation of nanoparticles-containing spray coating generated by atomization process **J. Mejia**, University of Namur, Belgium
P-006	**Title:** Low Frictional Characteristics of Graphene Films in Air Environment **Junho Choi**, The University of Tokyo, Japan
P-007	**Title:** MOLECULAR STRUCTURES OF POLYMER FORMS OF RADICAL IPR FULLERENES C74 AND C76 **Khamatgalimov A.R.**, A.E. Arbuzov Institute of Organic and Physical Chemistry of Russian Academy of Science, Russia
P-008	**Title:** Effect of MgO morphology on the mechanical properties and crystalline behaviors of MgO/PLLA composites **Minfang Chen**, Tianjin University of Technology, China
P-009	**Title:** Synthesis of stable Cu&Ag nanostructure for direct writing flexible paper-based electronics **Wei Li**, Tianjin University of Technology, China
P-010	**Title:** Nanostructure Formation in Austenitic Stainless Steel by Deuterium Irradiation **Volodymir Zhurba**, National Science Center “Kharkov Institute of Physics and Technology”, Ukraine
P-011	**Title**: In-situ Formation of Cellular Graphene Framework in Thermoplastic Composites **Fakhr E Alam**, Ningbo Institute of Material Technology and Engineering, CHINA
P-012	**Title**: Synthesis and characterization of noble metal based nano particles for water purification **Haekyoung Kim**, Yeungnam University, Korea
P-013	**Title:** Terahertz filter and demultiplexer with photonic crystal waveguide **Nan Huang**, Chinese Academy of Science, China
P-014	**Title:** Nano Particles Selection by A NOVEL CENTRIFUGAL FILTRATION DEVICE **Wu Rome-Ming**, Tamkang University, Taiwan

P-015	**Title:** P Dopants Triggered New Basal Plane Active Sites and Enlarged Interlayer Spacing in MoS2 Nanosheets towards Electrocatalytic Hydrogen Evolution **Rongfang Zhang**, National University of Singapore, Singapore
P-016	**Title:** Transport Properties of II-VI Semiconductor (CdSe/CdTe) Nanoparticles **Sayantani Das**, University of Calcutta, India
P-017	**Title**: Enhanced Removal of Pollutants by Nanoscale Zerovalent Iron Supported on Modified Bentonites **Yimin Li**, Shaoxing University, China
P-018	**Title**: Picosecond pulse pumped wavelength conversion in silicon nanowaveguides **Zhaolu Wang**, Chinese Academy of Science, China
P-019	**Title:** Characterisation of Metal Oxide Nanocomposites Materials by Various Techniques and Information Obtained from Them **Ashwani Sharma**, M. D. University, India
P-020	**Title:** Natural Gelatin Capped Mn 2+ —Doped Mesoporous Prussian Blue Nanoparticles as a Smart Theranostic Agent for Chemo-Thermal Tumor Therapy **Tingting Jiang**, Harbin Institute of Technology, China
P-021	**Title:** Self-Assembly and Dielectric Behavior of Arrays of Mn(II)-Based Metal-Organic Chains Containing Bisbenzimidazole Linkers **Shruti Mendiratta**, Academia Sinica, Taiwan
Day 3 August 23, 2017	
Meeting Room	
Session 1	**Nanodevices & Nanosensors** **Nanoelectronics** **Nanotechnology for Energy and the Environment**
Session Chair	**Yet to be Finalised**
Session Co-chair	**Yet to be Finalised**
10:00-10:20	**Title**: Thermal-electronic devices: A new direction to nanoelectronics **János Mizsei**, Budapest University of technology and Economics, Hungary
10:20-10:40	**Title**: Combinatorial Approach in Designing TiO2-Cd Chalcogenide Hybrid Nano Structures for Panchromatic Light Harvesting in N3 based Dye Sensitized Solar Cell **Jayati Datta**, Indian Institute of Engineering Science and Technology Shibpu, India
10:40-11:00	**Title**: Aggregation, Transport, and Surface Transformation of Nanosized Titanium Dioxide in Aqueous Solutions **CHUNMING SU**, U.S. ENVIRONMENTAL PROTECTION AGENCY, USA
11:00-11:15	**Coffee Break**

11:15-11:35	**Title**: Phase separation in the III-V semiconductors ternaries and quaternary: an ab initio and empirical potential study **Jun CHEN**, University of Caen Normandy, France
11:35-11:55	**Title:** Bio-inspired Anode Material for Lithium Ion Battery **Yao Li,** Shanghai Jiao Tong University, China
11:55-12:15	**Title:** Influence of Ni2+ ions on the magneto-optical properties of MgSO3.6H2O:Ni **Petya Petkova**, Shumen University "Konstantin Preslavsky", Bulgaria
12:15-12:35	**Title:** Biomimetic synthesis of Gum Acacia Mediated Pd-ZnO and Pd-TiO2 – Promising Nanocatalysts for Effective Synthesis of Aryl Amines via Selective Hydrogenation of Nitroarenes **N. V. S. Naidu**, Sri Venkateswara University, India
12:35-12:55	**Title:** Study of the angular momentum of light from plasmonic crystals **H. C. Ong**, The Chinese University of Hong Kong, Hong Kong
13:55-13:45	**Lunch Break**
13:45-14:05	**Title:** Electronic Properties and Energy Applicatiosn of Layered Materials **Hong Seok Kang,** Jeonju University, Korea
14:05-14:25	**Title:** NiO nanostructures based potentiometric glucose biosensor **Zafar Hussain Ibupoto**, Luleå University of Technology, Sweden
14:25-14:45	**Title**: High-pressure structural phase transitions and electronic properties of the alkali hydride compounds, XH (X=K, Rb and Cs) **Mohammed Abu-Jafar**, An-Najah N. University, Jordan
14:45-15:05	**Title**: The role of weak Anderson localization on the resistivity of nanometric metallic interconnects leading to the break-down of Moore´s law **Raúl C. Muñoz**, Universidad de Chile, Chile
15:05-15:25	**Title:** A Comprehensive Study of Comparative Crystallographic quality of Nominally Strain-free InAlN/GaN and Strained AlGaN/GaN Quantum Heterostructures on Si(111) by PAMBE **Subhra Chowdhury**, State University of New York, USA
15:25-15:45	**Title**: Development of Near-Zero Power RF Receiver Using All Mechanical Aluminum Nitride Transformers and Switches **Tao Wu**, Northeastern University, USA
15:45-16:05	**Title**: Preparation of TiO2 Hierarchical Structures and Its Application in Ti Foil-Based Quais-Solid State Dye-Sensitized Solar Cells **Tianyou Peng**, Wuhan University, China
16:05-16:20	**Coffee Break**

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

Media Partners