28th International conference and Expo on Nanoscience and Nanotechnology & 3rd World congress and Expo on Graphene & 2D Materials

November 26-27, 2018 | Barcelona, Spain
**DAY-1**
November 26, 2018
Meeting Hall: Silverstone

08:30-09:00 Registrations

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**Opening Ceremony**

**KEYNOTE FORUM**

09:00-09:20

**Introduction**

09:20-09:45

**Title:** Micro/Nanoscale Research: A Control Systems Viewpoint  
Srinivasa M. Salapaka, University of Illinois at Urbana-Champaign, USA

**Title:** Quasi insitu advanced characterizations for materials upfront studies and process development in microelectronic - The IMPACT 300mm project and platform: merging academic research and industrial applications  
Bernard Pelissier, CNRS, LTM, MINATEC Campus, Grenoble, France

10:15-11:00

**Title:** Next generation metallic implant materials: Contribution of nanoscience and nanotechnology  
Takao Hanawa, Tokyo Medical and Dental University, Japan

**Group Photo & Networking & Refreshments 11:00-11:15 @ Bar Terraza**

11:15-12:00

**Title:** New method for intercalation and ion exchange utilizing solid state electrochemical reaction.  
Masaya Fujioka, RIES Hokkaido University, Japan

12:00-13:00

**Title:** Chinese Taiji and Nanascience & Quantum Mechanics  
ALEX KUNG-HSIUNG CHANG, National Pingtung University of Sci. & Tech, Taiwan

**Lunch Break 13:00-13:45 @ Bar Terraza**

13:45-14:15

**Title:** Synthesis and screen-printing of SnO2 nanoparticles on flexible PET substrate for cost-efficient ethanol sensors  
Marko Radovic, Biosense Institute, University of Novi Sad, Serbia

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**Chair:** Joseph C. Glorioso, University of Pittsburgh, School of Medicine, USA  
**Chair:** Srinivasa M. Salapaka, University of Illinois at Urbana-Champaign, USA  
**Co-Chair:** Takao Hanawa, Tokyo Medical and Dental University, Japan
14:15-14:45  Title: Biomedical applications of magnetically controlled magnetoplasmonic nanodomes
Borja Sepulveda, Catalan Institute of Nanoscience and Nanotechnology (ICN2) of Barcelona, Spain

14:45-15:15  Title: Iron oxide and carbon-based nanomaterials for biomedical application
Katerina Polakova, RCPTM, Palacky University, Czech Republic

15:15-15:45  Title: Mechanical, Electronic, Magnetic and Thermal Transport Properties in Two Dimensional materials
Yang HAN, Harbin Engineering University, China

15:45-16:15  Title: Quantization of plasmon-polaritons with localized nanostructures
Hans-Rudolf Jauslin, Université Bourgogne Franche-Comté, France

Networking & Refreshments 16:15-16:30 @ Bar Terraza

16:30-17:00  Title: Construction of Heterojunction of Electronic Structure-Modified Graphitic Carbon Nitride-Decorated Ceria Quantum Dots for Interfacial Applications
G.R. Dillip, Yeungnam University, South Korea

17:00-17:30  Title: Photocatalytic activity of the N-rich graphitic carbon nitride
T. V. M. Sreekanth, Yeungnam University, South Korea

Panel Discussion

DAY-2
November 27, 2018
Meeting Hall: Silverstone

KEYNOTE FORUM

09:20-09:30  Introduction

09:30-10:15  Title: Review of Nanofiber Fibrillation of LCP/PET Blend by Spinning Factors and Droplet Distribution by Repetitive
Han-Yong Jeon, Inha University, South Korea

10:15-11:00  Title: Composite glasses and perovskites for advanced photonic applications
Ioannis Konidakis, Heraklion-Crete, Greece

Networking & Refreshments 11:00-11:15 @ Bar Terraza

11:15-12:00  Title: Exploring Novel Quantum States and Quantum Degrees of Freedom in Two-Dimensional van der Waals Materials
Nai-Chang Yeh, California Institute of Technology, USA
Title: Multicomponent Ti-Ta/Nb-Ni based surface alloys with an amorphous-nanocomposite structure on TiNi substrates: thermodynamic modeling, thin-film electron-beam synthesis, atomic structure, physical and mechanical properties
Ludmila Meisner, Institute of Strength Physics and Materials Science SB RAS, Tomsk, Russia

PLENARY FORUM

Title: Nanomaterial Reinforced Polymers and Composites: From Design and Manufacturing to High-end Applications
Kyriaki Kalaitzidou, Stanford University School of Medicine, USA

Lunch Break 13:25-14:10 @ Bar Terraza

Title: Fluorographene chemistry: broadening the family and scope of graphene derivatives
Aristides Bakandritsos, Palacky University in Olomouc, Czech Republic

Title: Multiphasic nanostructured materials based on block copolymers
Agieszka Tercjak, University of the Basque Country, Spain

Sessions: Bio-Nanomaterials and biomedical devices, applications | Nanotechnology & Energy | Nanoelectronics and nanometrology | Nano photonics, Nano Imaging, Spectroscopy & Plasmonic devices | Nanotechnology: Environmental effects and industrial safety | Nano Chemistry | Nanophysics | Future prospects of Nanotechnologies and commercial viability | Molecular Nanotechnology | Other Related research

Chair: Kyriaki Kalaitzidou, Stanford University School of Medicine, USA
Co-Chair: Han-Yong Jeon, Inha University, Incheon, Korea

Title: Sol-Gel based surface patterning
David RIASSETTO, Grenoble-INP/LMGP, FRANCE

Title: Phytosynthesis of Ag, Au and Ag-Au bimetallic nanoparticles using golden rod (Solidago canadensis) plant and their cytotoxicity
Elias EmekaElemike, North West University, South Africa

Title: Green chemical route: Enhanced Photocatalytic degradation of malachite green under UV irradiation using Ag/g-C3N4 composite
NAGA JYOTHI PC, Yeungnam University, South Korea

Title: Formulation parameters determining the characteristics of PLGA based nanoparticles loaded with antibacterial agent for ocular application
Gülsel Yurtdas Kirimlioglu, Anadolu University, Turkey

POSTER PRESENTATIONS 17:30-18:30 @ FOYER

Poster Judge: Srinivasa M. Salapaka, University of Illinois at Urbana-Champaign, USA

NSG-01
Title: Influence of milling time on magnetic properties of Fe-Si nanomaterials alloy synthesized by planetary ball mill method
Ji Eun Lee, Changwon National University, South Korea

NSG-02
Title: Pr modified structural, magnetic and magnetocaloric properties of Nd1.4-xPrxSr1.6Mn2O7
LEE Hyung Uk, Changwon National University, South Korea
NSG-03  Title: Development of Novel Fluorescence Nanoprobes for Early Cancer Diagnosis  
Intisar Albandar, University of Strathclyde, United Kingdom

NSG-04  Title: Effect of coating time on the pores of the coating layer by immersing the coated specimen in solution containing Ce-nanopowder  
Min soo Kim, Changwon National University, South Korea

NSG-05  Title: Type conversion of carbon nanotube thin-film transistors using PVA/SU-8 polymer layer  
Geon Woong Lim, Incheon national University, South Korea

NSG-06  Title: Development of Eudragit RSPO nanoparticle and preliminary in-vitro release studies of suppositories with lopinavir loaded nanoparticles  
Babatunde Ojo, North-West University, South Africa.

NSG-07  Title: ENG-LPHNp - Engineering of lipid-polymer nanoparticles loaded with cardiovascular drugs for biomedical applications  
Ramona-Daniela PAVALOIU, Politehnica of Bucharest, Romania

NSG-08  Title: Effect of gold nanoparticles on biofilm formation and destruction in Salmonella spp., Escherichia coli, Staphylococcus aureus and Listeria monocytogenes  
Sabina Purkrtová, University of Chemistry and Technology Prague, Czech Republic

NSG-09  Title: Mechanical durability enhanced self-cleaning composite material with superhydrophobic and photocatalytic ability  
Xiaotian Zhang, University of Zurich, Switzerland

Networking & Refreshments 18:30-18:45 @ Bar Terraza

POSTER PRESENTATIONS 18:45–19:45 @ FOYER

NSG-10  Title: Light controlled dynamics of charge carriers  
István Magashegyi, University of Szeged, Hungary

NSG-11  Title: Novel TiO2/g-C3N4 photocatalysts for photocatalytic reduction of CO2 and for photocatalytic decomposition of N2O  
Petr Praus, University of Pardubice, Czech Republic

NSG-12  Title: Tuning of the graphitic carbon nitride synthesis using the design of experiment method  
Vlastimil Matejka, VŠB-Technical University of Ostrava

NSG-13  Title: Using a Combined Atomic Force and Confocal Microscope for Nanoscale Magnetic Sensing with Nanodiamonds  
Richard Escalante, Universidad Mayor, Chile

NSG-14  Title: Polyoxometalate decorated Pt-Nanoparticles and their Hydrogen Spillover Studies  
Aswin Kottapurath Vijay, Ariel University, Israel.

NSG-15  Title: Synthesizing Silica Supported Silver Nanoparticles at Different pHs: Tools for Catalytic Reactions Investigation  
Gifty Sara Rolly, Ariel University, Israel.

NSG-16  Title: The role of alcohol sacrificial agents on M/TiO2 photocatalysts towards H2 production reaction: A mechanistic study  
Sathiyan Krishnamoorthy, Ariel University, Ariel, Israel.
NSG-17
Title: Microfluidic Trapping of Single Bacterial Cells and Their Progeny to Study the Emergence of Phenotypic Heterogeneity and Bacterial Aging
Ágnes Ábrahám, Biophysics Institute of the Biological Research Centre, Hungary

NSG-18
Title: Ordered polyaniline nanotubes modified by carbon nano-onions - a conductive and capacitive nanocomposite as a biocompatible support for horseradish peroxidase in hydrogen peroxide detection
Piotr Olejnik, University of Białystok, Poland

NSG-19
Title: Bio-prospecting of natural resources in Saudi Arabia for new potential bioactivity
Dina Hajjar, University of Jeddah, Saudi Arabia

NSG-20
Title: Use of nanoengineered surfaces for intracellular drug delivery via simultaneous engagement of inhibitory and stimulating receptor on mast cells and basophils
Waalla Alelwani, University of Nottingham, UK

PANEL DISCUSSION

Awards & Closing Ceremony

Bookmark your Dates

33rd International Conference and Expo on Nanosciences and Nanotechnology
November 18-20, 2019 | Frankfurt, Germany
E: nanoscience@nanotechconferences.org, nanoscience@nanotechnologyexpert.org
Website: nanotechnology.conferenceseries.com

4th World Congress and Expo on Graphene & 2D Materials
November 18-19, 2019 | Frankfurt, Germany
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Website: graphene.conferenceseries.com/europe