Day 1 December 05, 2016

09:00-09:30 Registrations

Meeting Room B

conference.series.com 09:30-09:45 Opening Ceremony

Keynote Forum

Introduction
09:45-10:30 Title: Perspectives of nanoneurotechnology for diagnosis and treatment of Alzheimer’s disease
Jerzy Leszek, University of Wrocław, Poland

Panel Discussion
Networking and Refreshments Break: 10:30-10:50 @ Foyer

Sessions:
Recent Trends in Nanotechnology | Nanomaterials | Nanostructures | Nanomedicine | Nanodevices and Nanosensors | Materials science and Engineering

Session Chair: Joung-Man Park, Gyeongsang National University, Korea

Session Introduction

11:00-11:30 Title: Chalcogenide glasses – their micro/nanostructuring, examples of applications
Miroslav VLCEK, University of Pardubice, Czech Republic

11:30-12:00 Title: Synthesis and characterization of bioreducible heparin-polyethyleneimine nanogels: Application as imaging-guided photosensitizer delivery vehicle in Photodynamic Therapy (PDT)
Tilahun Ayane Debele, National Taiwan University of Science and Technology, Taiwan

12:00-12:30 Title: Fabrication and characterization of antibacterial herbal drug-loaded poly-lactic acid/cellulose acetate composite nanofibers for wound dressing applications
Gomaa F. Salma, American University in Cairo, Egypt

12:30-13:00 Title: Hybrid material: Yeast biomass from alcohol industry impregnated with magnetite nanoparticles. The potential uses in oil spills
Karina Bugan Debs, Universidade Federal de São Paulo, Brazil

Panel Discussion

Group Photo: 13:00-13:10

Lunch Break 13:10-14:00 @ Restaurant

Video Presentation

14:00-14:40 Title: Ethical/legal implications of wireless health
Kodiak Ravicz, University of Southern California, USA

14:40-15:10 Title: Effect of high temperature water laden environment on flexural properties of hybrid nanoclay GFRE composites
Ahmad Rafaq, King Fahd University of petroleum and Minerals, Saudi Arabia

15:10-15:40 Title: New sensing method of damage detection of carbon Fiber/Polypropylene composites via 2 dimensional electrical resistance mapping
Joung-Man Park, Gyeongsang National University, Korea

15:40-16:10 Title: Photo catalytic degradation studies of ZnO nanoparticles on Propaquizafop residues in water
Y. Prashanthi, Mahatma Gandhi University, India

Panel Discussion
Networking and Refreshments Break: 16:10-16:30 @ Foyer
Day 2  
December 06, 2016  
Meeting Room B  

**Keynote Forum**  
10:15-11:15  
*Title: Computational nanoplasmonics: Success and challenges*  
Nicolas Large, The University of Texas at San Antonio, USA

**Sessions:**  
NanoPhysics | Environment, Health and Safety Issues | Applications of Nanotechnology | Nanotechnology in Automotive Industries  

**Session Chair:** Jamal Zeinalov, Atomic Works, Canada

**Panel Discussion**  
Networking and Refreshments Break: 11:15-11:35 @ Foyer

11:35-12:05  
*Title: Enhancing fast settling of oil emulsions in wastewater by in situ production of iron based nanoparticles*  
Jose Humberto Ramirez, University of Calgary, Canada  
**Title: Simulation of nano-coating formation mechanics and properties with variability in substrate surface topology*  
Jamal Zeinalov, Atomic Works, Canada  
**Title: Copper sulfide nanoparticles from cyclohexylamine-N-dithiocarbamates ligand*  
Khumblani Mnqiwu, Vaal University of Technology, South Africa

12:05-12:35  
Lun Dai, Peking University, China  
**Title: Detailed optical properties of monolayer MoS2 synthesized on H-BN**  
Suresh Vidyasagar, IIT Roorkee, India  
**Title: Synthesis of nano-coating formation mechanics and properties with variability in substrate surface topology**  
Jamal Zeinalov, Atomic Works, Canada  
**Title: Copper sulfide nanoparticles from cyclohexylamine-N-dithiocarbamates ligand**  
Khumblani Mnqiwu, Vaal University of Technology, South Africa

12:35-13:05  
**Panel Discussion**

13:05-14:00  
**Lunch Break**

14:00-14:30  
**Title: Detailed optical properties of monolayer MoS2 synthesized on H-BN**  
Lun Dai, Peking University, China  
**Title: Metal Matrix Nano Composites (MMNCs)**  
Suresh Vidyasagar, IIT Roorkee, India  
**Title: Synthesis and characterization of alanine-capped water soluble zinc sulfide nanoparticles**  
Thapelo Mofokeng, Vaal University of Technology, South Africa

14:30-15:00  
**Title: Self-powered biosensor for direct detection of cysteine using functionalized BaTiO3 Nanoparticles**  
Sophia Selvarajan, Jeju National University, South Korea  
**Title: Development of paint-type dye-sensitized solar cell using carbon-nanotubepaint and evaluation of its painted electrodes for efficient power generation**  
Yuki Matsunaga, Yokohama National University, Japan

15:00-15:30  
**Title: A Comparison Analysis on Nanotechnology policies of the US and Korea**  
Kyunghye Lee, Korea Institute of Science and Technology Information, South Korea  
**Title: Synthesis and characterization of alanine-capped water soluble zinc sulfide nanoparticles**  
Thapelo Mofokeng, Vaal University of Technology, South Africa

**Poster Presentations @ 15:30-16:15**  
NANT 01  
**Title: First-principles Study of Electronic Transport and Thermoelectricity in Grain-Boundary Nanostructures for Device Applications**  
A. Pooja Shukla, SRM University, India

NANT 02  
**Title: Nitrogen doped Double Gyroidal Mesoporous Carbon Material for Oxygen Reduction Reaction Synthesized from Pyridine Containing Precursor, Hydroxymethyl-3-hydroxylpyridine**  
Fumiaki Matuoka, Cornell University, USA

NANT 03  
**Title: A Comparison Analysis on Nanotechnology policies of the US and Korea**  
Kyunghye Lee, Korea Institute of Science and Technology Information, South Korea

NANT 04  
**Title: Self-powered biosensor for direct detection of cysteine using functionalized BaTiO3 Nanoparticles**  
Sophia Selvarajan, Jeju National University, South Korea

NANT 05  
**Title: Development of paint-type dye-sensitized solar cell using carbon-nanotubepaint and evaluation of its painted electrodes for efficient power generation**  
Yuki Matsunaga, Yokohama National University, Japan

NANT 01  
**Title: Deposition of Silver Nanoparticles/Poly (amidoamine) Dendrimer/Graphene Oxide Nanohybrids on Sensor Surface for Anti-biofouling**  
Xiaoxue Zhang, Norwegian University of Science and Technology, Norway

**Panel Discussion**  
Networking and Refreshments Break: 11:15-11:35 @ Foyer  
Lunch Break 13:05-14:00 @ Restaurant  
Award Ceremony: 16:35-17:00

Day 3  
December 06, 2016  

**Networking**  
Networking and Refreshments Break: 10:45-11:10 @ Foyer  
Lunch Break 12:30-13:10 @ Restaurant