

13th International Conference on

NANOTEK AND EXPO

December 05-07, 2016 Phoenix, USA



Hosting Organizations: Conference Series LLC

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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: Jung-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 bio-reducible 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 Rafiq, 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**
Jung-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

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
- 12:05-12:35 Title: **Simulation of nano-coating formation mechanics and properties with variability in substrate surface topology**
Jamal Zeinalov, Atomic Works, Canada
- 12:35-13:05 Title: **Copper sulfide nanoparticles from cyclohexylamine-N-dithiocarbamates ligand**
Khumblani Mngqwu, Vaal University of Technology, South Africa

Panel Discussion

Lunch Break 13:05-14:00 @ Restaurant

- 14:00-14:30 Title: **Detailed optical properties of monolayer MoS₂ synthesized on H-BN**
Lun Dai, Peking University, China
- 14:30-15:00 Title: **Metal Matrix Nano Composites (MMNCs)**
Suresh Vidyasagar, IIT Roorkee, India
- 15:00-15:30 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-hydroxypyridine**
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: 16:15-16:35 @ Foyer

Award Ceremony: 16:35-17:00

Networking

Networking and Refreshments Break: 10:45-11:10 @ Foyer

Networking

Lunch Break 12:30-13:10 @ Restaurant