

Nano World Summit: Current and Future Perspectives

June 06-07, 2018 | Philadelphia, USA



CONFERENCE HALL: INDEPENDENCE C

09:00-09:40 Registrations

09:40-10:00 Opening Ceremony

Keynote Forum

Introduction

10:00-10:45 Title: Control of fluorescence in quantum emitter and metallic nanoshell hybrids for medical applications

Mahi R Singh, University of Western Ontario, Canada

Panel Discussion

Networking & Refreshment Break 10:45-11:05 @ Foyer

Group Photo

11:05-11:50 Title: Nanomaterials for drug targeting to cancer stem cells

Esmail Jabbari, University of South Carolina, USA

11:50-12:35 Title: Two decades of commercializing nanomedicine: From medical devices to drug carriers to implantable sensors

Thomas J Webster, Northeastern University, USA

Panel Discussion

Lunch Break 12:35-13:30 @ Benjamin's Restaurant

Sessions:

Nanotechnology in Electronics: Nanoelectronics | Nanomedicine | Sustainable Nanotechnology | Bionanotechnology | Materials Science and Engineering

Session Chair: Risheng Wang, Missouri University of Science and Technology, USA

Session Introduction

13:30-14:00 Title: Synthesis and characterization of nano-hybrid noble metals/oxides/MWCNTs electrocatalysts for fuel cells

Hong-Ming Lin, Tatung University, Taiwan

14:00-14:30 Title: A facile synthesis of pH and light sensitive dual capped CdTe QDs and their potential theranostics application

Daramola Abiodun Olamide, Rhodes University, South Africa

14:30-15:00 Title: In corporation of graphene on ZnO nanorods as piezoelectric flexible ITO/PET substrates

Hsiang Chen, National Chi Nan University, Taiwan

15:00-15:30 Title: Highly stretchable hydrogels for sensing

Hai-Feng J I, Drexel University, USA

Panel Discussion

Networking & Refreshment Break 15:30-15:50 @ Foyer

15:50-16:20 Title: Biogenic gold nanoparticles from indole-3-carbinol exhibit antineoplastic effects through the induction of apoptosis

Rini Ghosh, Vidyasagar University, India

16:20-16:50 Title: Engineering DNA nanostructures: Application from drug delivery to plasmonic metamolecules

Risheng Wang, Missouri University of Science and Technology, USA

16:50-17:20 Title: Green and rapid synthesis of size controlled TiO₂ nanoparticles used as fillers in light curing dental nanocomposite resins

Ramesh Chaughule, Ramnarain Ruia College, India

Panel Discussion

Keynote Forum

09:50-10:00 Introduction

10:00-10:45 **Title: Redox-active nanoparticles In treatment of human neurodegenerative disease**
 Beverly A Rzigalinski, Edward Via College of Osteopathic Medicine, USA

Panel Discussion

Networking & Refreshment Break 10:45-11:05 @ Foyer

11:05-11:50 **Title: Photo-design of nanomaterials and nanostructured materials**

Lavinia Balan, Institut de Sciences des Matériaux de Mulhouse, France

Sessions:

Nanomedicine | Advanced Nanomaterials | Nanotechnology in Electronics: Nanoelectronics | Nano Pharmaceuticals | Materials Science and Engineering

Session Chair: Thomas J Webster, Northeastern University, USA

Session Introduction

11:50-12:20 **Title: Comparative study of silicon nanowire and carbon nanotubes field effect transistors in ballistic transport**

Shaukat Ayesha, BUIITEMS Quetta, Pakistan

12:20-12:50 **Title: Computational study of electrochemical reduction of CO₂ on transition metal/p-block nanocatalysts**

Sahithi Ananthaneni, Villanova University, USA

12:50-13:20 **Title: Sensing toxic formaldehyde using graphene oxide and graphene as sensing materials**

Murthy Chavali, VFSTR University, India

Panel Discussion

Lunch Break 13:20-14:00 @ Benjamin's Restaurant

Poster Presentations 14:00-14:50

NW 1 **Title: Mechanochemically assisted synthesis of kesterite Cu₂ZnSnS₄ nanopowders for photovoltaic applications via copper alloys formation**

Jerzy F Janik, AGH University of Science and Technology, Poland

NW 2 **Title: High energy ball milling of mixtures of nanocrystalline powders of gallium nitride GaN and aluminum nitride AlN**

Jerzy F Janik, AGH University of Science and Technology, Poland

NW 3 **Title: A promising dual-protein nano-complex strategy for salivary gland radioprotection and functional restoration in head and neck cancer**

Ziyad S Haidar, Universidad de los Andes, Chile

NW 4 **Title: The production and application of biofloculants and their nanoparticles in dairy wastewater treatment**

Rachael Adeleke, University of Ibadan, Nigeria

NW 5 **Title: The investigation structural and magnetic properties at high temperature of nanostructured Fe-Mg alloys produced by mechanical alloying**

A El Mohri, University of Medea, Algeria

Video Presentations

14:50-15:20 **Title: Bi-polar organic semiconductors for thermoelectric power generation**

Jothi Narayanan, Madurai Kamaraj University, India

15:20-15:50 **Title: Synthesis of bovine serum albumin modified chlorogenic acid nanoparticles and its selective cytotoxic, apoptotic, growth inhibitory and tumor regressive efficacy in cancer cells**

Sujata Maiti Choudhury, Vidyasagar University, India

Panel Discussion

Award & Closing Ceremony