

## Grand Hall C

conferenceseries.com 10:00-10:15

## Opening Ceremony

## Keynote Forum

10:15-10:30 Introduction

10:30-11:00 Title: **Controlled growth of carbon nano-tube forest and graphene by chemical vapor deposition**  
**Masamichi Yoshimura**, Toyota Technological Institute, Japan

## Networking &amp; Refreshments Break 11:00-11:15 @ Foyer

11:15-11:45 Title: **iNAPO - Ion conducting nanopores in polymer foils as (bio)chemical sensors**  
**Wolfgang Ensinger**, Darmstadt University of Technology, Germany

11:45-12:15 Title: **Tailoring electronic and phononic properties at nanoscale for higher thermoelectric efficiency**  
**Biplab Paul**, Linköping University, Sweden

## Group Photo

Track 1: Nanomaterials Characterization

Track 4: Advances in Nanomaterials

Track 5: Properties of Nanomaterials

Track 7: Nanotechnology for Energy and Environment

Track 9: Scope of Nanomaterials

Track 10: Lignocellulosic Biomass

Session Chair: **Masamichi Yoshimura**, Toyota Technological Institute, JapanSession Chair: **Biplab Paul**, Linköping University, Sweden

## Session Introduction

12:30 - 12:50 Title: **Plasmonic colour filters for CMOS image sensors****Ranjith Rajasekharan Unnithan**, The University of Melbourne, Australia

12:50- 13:10 Title: **Fabrication of biomimetic hierarchical structures using electrospinning combined with template wetting method for dry-adhesive applications**

**Rahul Sahay**, Singapore University of Technology and Design, Singapore

## Lunch Break 13:10-14:00 @ Restaurant

14:00 - 14:20 Title: **Status and Modeling of Nanomedicine****Mary M. Eshaghian-Wilner**, University of Southern California, USA

14:20 - 14:40 Title: **Wettability switching of ZnO nano-wires from super-hydrophilic to super-hydrophobic state using reducing/oxidizing gas treatments**

**J P Singh**, Indian Institute of Technology-Delhi, India14:40 - 15:00 Title: **Polymer disperse liquid crystal display using metallic doping nanospheres****Chii-Chang Chen**, National Central University, Taiwan15:00 - 15:20 Title: **Temperature controlled theranostics for pancreatic cancer****Clare Hoskins**, Keele University, UK15:20 - 15:40 Title: **Controlled modulation of surface-electronic properties of graphene by ion implantation****Tanuja Mohanty**, Jawaharlal Nehru University, India15:40 - 16:00 Title: **Use of a Novel Calix[4]resorcinarene for Drug Solubilisation****Anthony D.M. Curtis**, Keele University, UK

## Networking &amp; Refreshments Break 16:00-16:15 @ Foyer

16:15- 16:35 Title: **Microstructure, mechanical properties, and machinability of electrically conductive SiC based composites**  
**Pavol Hvizdos**, Slovak Academy of Sciences, Slovakia

16:35 - 16:55 Title: **Facile synthesis of graphene-based materials and their applications for water treatment**

**Yeojoon Yoon**, Korea Electronics Technology Institute, South Korea

16:55 - 17:15 Title: **Development of graphene nanoplatelet-based flexible sensor for detecting and monitoring of hazardous chemicals**

**Su Yeon Choi**, Korea Electronics Technology Institute, Korea

## Young Researchers Forum

YRF Judge: **Mary M. Eshaghian-Wilner**, University of Southern California, USA17:15- 17:25 Title: **Ab initio study of H<sub>2</sub>S adsorption on graphene doped with P and S****Seba Sara Varghese**, Birla Institute of Technology and Science (BITS), United Arab Emirates

17:25 – 17:35 **Title: The study of gold nanoparticles coated with human serum albumin as drug carriers**

Saba A J Sulaiman, Sultan Qaboos University, Sultanate of Oman

17:35 - 17:45 **Title: Characterization and in vivo evaluation of ascorbic acid nanoparticles at cellular (blood) and chromosomal level**

Syeda Juveriya Fathima, Defence Food Research laboratory, India

**Day 2 April 22, 2016**

**Burgos**

### Keynote Forum

10:00-10:30 **Title: Controlled growth of graphene, carbon nanotubes and transition metal dichalcogenides**

Eui-Hyeok Yang, Stevens Institute of Technology, USA

10:30-11:00 **Title: Microfluidics for cell analysis and isolation**

Mohammad A Qasaimeh, New York University Abu Dhabi, UAE

**Networking & Refreshments Break 11:00-11:20 @ Foyer**

11:20- 11:50 **Title: ZnO nanostructures for quantum dots sensitized solar cells**

Basma El Zein, University of Business and Technology, Saudi Arabia

11:50-12:20 **Title: InAs HEMTs for high frequency and high speed applications**

Edward Yi Chang, National Chiao Tung University, Taiwan

Track 2: Nanomaterials synthesis

Track 3: Nanodevices and Systems

Track 6: Nano Electronic Devices

Track 8: Nanotechnology Applications

Track 11: Applications of Nanomaterials

Track 12: Nanotech Products

Session Chair: Pavol Hvizdos, Slovak Academy of Sciences, Slovakia

**Session Introduction**

12:30-12:50 **Title: Graphene oxide based polymer nanocomposites and their supercapacitor applications**

Abu Bakar Suriani, Universiti Pendidikan Sultan Idris, Malaysia

12:50-13:10 **Title: Enhanced dispersion of multiwall carbon nanotubes in natural rubber latex nanocomposites by surfactants bearing phenyl groups**

Azmi Mohamed, Universiti Pendidikan Sultan Idris, Malaysia

**Lunch Break 13:10-14:00 @ Restaurant**

14:00-14:20 **Title: Preparation and properties of effective photocatalytic nanostructures by application of new patented controlled sublimation**

Richard Dvorsky, VŠB-Technical University of Ostrava, Czech Republic

14:20-14:40 **Title: Functional metal-oxide nanostructured materials, synthesis characterization and their applications in sensors and energy harvesting**

Ahsanulhaq Qurashi, King Fahd University of Petroleum and Minerals, Saudi Arabia

14:40-15:00 **Title: Skillful design of bifunctional titanasilicate with hierarchical nano-structure**

Chunfeng Shi, Research Institute of Petroleum Processing, China

15:00-15:20 **Title: Bioinspired hierarchical structures obtained using electrospinning enabled techniques**

Avinash Baji, Singapore University of Technology and Design, Singapore

15:20-15:40 **Title: Investigating the effect of commercial nano coating material on heat reduction through a clear double glazed window**

Ali Al-Radhi, The Australian College of Kuwait, Kuwait

15:40-16:00 **Title: Electrical study of organic field effect transistors grown on flexible substrates**

Davoud Dastan, Savitribai Phule Pune University, India

**Networking & Refreshments Break 16:00-16:15 @ Foyer**

16:15-16:35 **Title: Crystallite Mesoporous Tin Dioxide doped with Nano gold**

Tariq Aqeel, Public Authority of Applied Education and Training, Kuwait

16:35-16:55 **Title: Nanofluids-its applications and prospects**

Reza Sadr, Texas A&M University, Qatar

**Poster Presentations 16:00 – 16:30**

**Judge: Wolfgang Ensinger, Darmstadt University of Technology, Germany**

**Title: Large-area single layer exfoliation of graphene oxide via Couette-Taylor flow reactor**

16:00 – 16:30 Yeojoon Yoon, Korea Electronics Technology Institute, South Korea

**Title: Comparative evaluation of organic removal using Ga<sub>2</sub>O<sub>3</sub> and Ga<sub>2</sub>O<sub>3</sub>-reduced graphene oxide composite**

Su Yeon Choi, Korea Electronics Technology Institute, Korea

**Day 3 April 23, 2016**

**Networking Lunch 12:00-13:00**

**Closing Ceremony**