

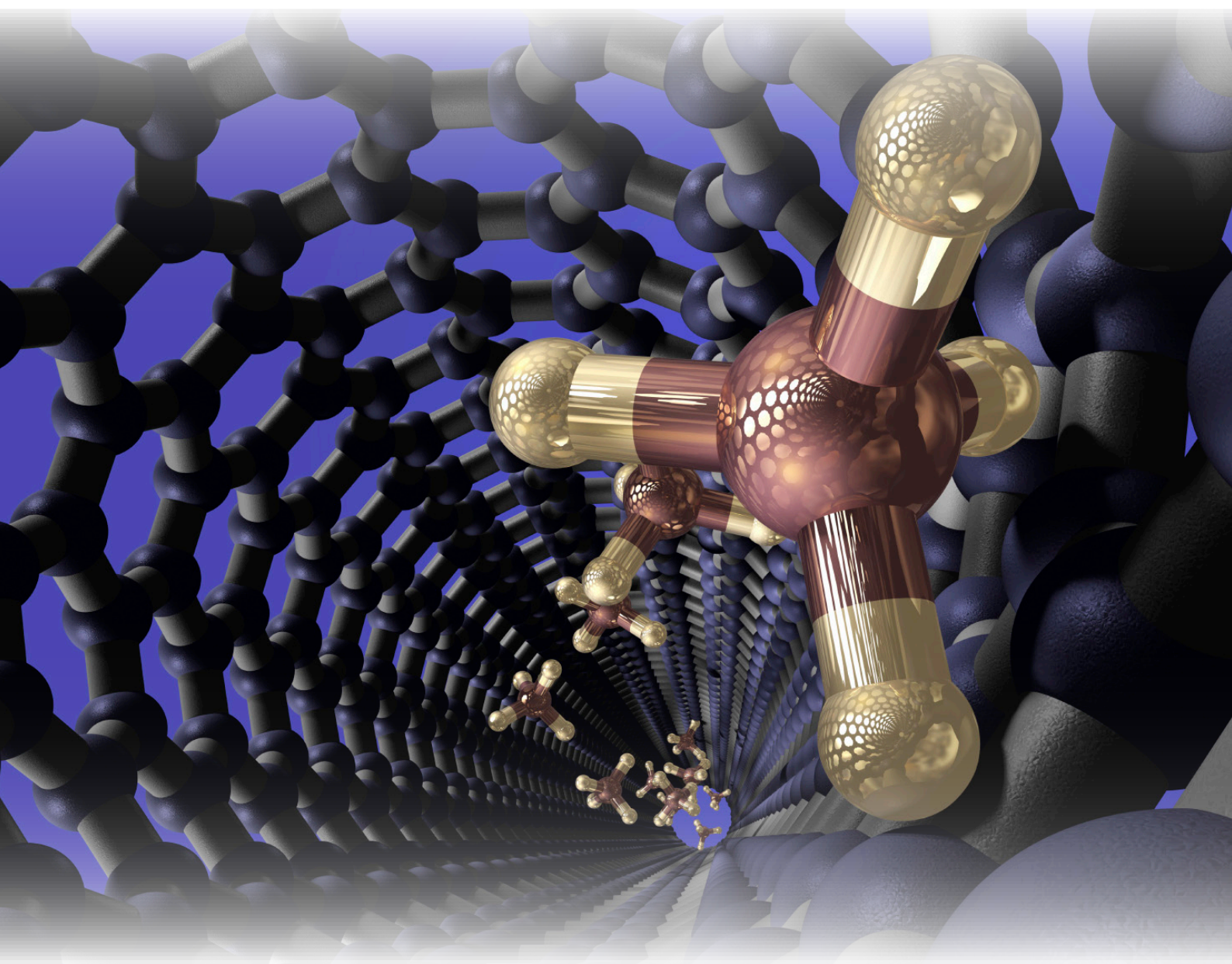
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583<sup>rd</sup> Conference

*Scientific Program*

# 9<sup>th</sup> Nano Congress for Next Generation

August 01-02, 2016 Manchester, UK



**Hosting Organizations: Conference Series LLC**

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09:00-09:30 Registrations

Rosewood Room

conference**series**.com

09:30-10:00

# Opening Ceremony

## Keynote Forum

10:00- 10:40 Title: Dilemma between ISO and physics in (nano)inden

Gerd Kaupp, University of Oldenburg, Germany

## Pannel Discussion

Networking and Refreshments Break: 10:40-11:00 @ Outside Room

- 11:00-11:30 Title: Investigation of Ultrathin Periodically Ordered Adsorbate Films with Controlled Polymorphism and Induced Surface Reactions  
Michael Hietschold, Technische Universität Chemnitz, Germany
- 11:30-12:00 Title: Microtubular nanomembrane architectures: From 3D assembly to paradigm shifting technologies  
Oliver G Schmidt, IFW Dresden, Germany
- 12:00-12:30 Title: Nano- and micro-structures fabricated with femtosecond lasers  
Xuewen Shu, Huazhong University of Science and Technology, China

Group photo 12:30-12:35

Lunch Break 12:35-13:20 @ Source Grill

## Sessions:

Advanced Nanomaterials | Nano Materials Synthesis and Characterisation | Nano Medicine and Nano Biotechnology Nanotech for Energy and Environment | Nano Science and Technology | Nano Computational Modelling | Nano Applications | Nanobiomaterials | Nano Systems and their Design | Nanoelectronics

Session Chair: Gerd Kaupp, University of Oldenburg, Germany

Session Co-Chair: Jörg Kröger, Technical University of Ilmenau, Germany

## Session Introduction

- 13:20-13:45 Title: In situ investigations of particle-mediated crystal growth  
Dongsheng Li, Pacific Northwest National Laboratory, USA
- 13:45-14:10 Title: Influence of synthesis parameters on size, shape, composition and magnetic properties of transition metal oxide nanoparticles  
Aladin Ullrich, University of Augsburg, Germany
- 14:10-14:35 Title: Self-cleaning coatings based on nano-structured ZnO  
Dominic Tessier, CTT Group, Canada
- 14:35-15:00 Title: Printable holograms and nanophotonic devices via laser ablation  
Haider Butt, University of Birmingham, UK
- 15:00-15:25 Title: Manipulating and characterizing matter at the atomic scale  
Jörg Kröger, Technical University of Ilmenau, Germany
- 15:25-15:50 Title: Nanographene device design  
Y. Hancock, University of York, UK
- 15:50-16:15 Title: Hydroxyapatite based nanostructures for efficient treatment of lead containing waste water  
Uma Batra, PEC University of Technology, India

Networking and Refreshments Break: 16:15-16:35 @ Outside Room

## Young Research Forum

- 16:35-16:55** Title: **Inkjet printing of Redox-based resistive switching memory**  
**Bernhard Huber**, Munich University of Applied Sciences, Germany
- 16:55-17:15** Title: **Geometry induced doping in thin Si Nano-grating layers**  
**Mikheil Mebonia**, Ilia State University, Germany
- 17:15-17:35** Title: **Studies of stiction between MEMS microgear teeth by multilevel hierarchical models**  
**Nabeel Almuramady**, Cardiff University, UK
- 17:35-17:55** Title: **Studies of actual shapes of probes used for AFM tip-based nanomachining**  
**Zaynab Naif Alraziqi**, Cardiff University, UK

## Panel Discussion

**August 02, 2016 Day 2**

## Rosewood Room

## Keynote Forum

- 09:30-10:00** Title: **Dynamic defect-manipulation induced novel functionality in SnO<sub>2</sub>**  
**Makoto Sakurai**, National Institute for Materials Science, Japan
- 10:00-10:30** Title: **Novel Nanocrystalline Bioactive Coatings For Ti6Al4v Bio-Implants**  
**Uma Batra**, PEC University of Technology, India

**Networking and Refreshments Break: 10:30-10:50 @ Outside Room**

- 10:50-11:20** Title: **Further perspectives on nanostructures for single-molecule vibrational spectroscopy**  
**Yuko S Yamamoto**, Kagawa University, Japan

### Sessions:

Nano Science and Technology | Advanced Nanomaterials | Nanophotonics | Nanobiomaterials | Molecular Nanotechnology | Nanobiometrics | Molecular Mimics | Nano Systems and their Design | Nano Medicine and Nano Biotechnology | Nano Materials Synthesis and Characterisation | Nano Computational Modelling | Further perspectives on nanostructures for single-molecule vibrational spectroscopy

**Session Chair: Michael Hietschold**, Technische Universität Chemnitz, Germany

**Session Co-chair: Yuko S Yamamoto**, Kagawa University, Japan

## Session Introduction

- 11:20-11:45** Title: **Combined delivery of BMP-6 and PDGF-BB From Chitosan Scaffolds for osteoblastic differentiation**  
**Eda GÖZ**, Ankara University, Turkey
- 11:45-12:10** Title: **Targeted cancer therapy using Nano-Micelles Made of natural bio-compatible materials**  
**Fatemeh Bahadori**, Bezmialem Vakif University, Turkey
- 12:10-12:35** Title: **Lanthanides doped upconversion metal oxide nanocomposites for solar cell application**  
**Martin Ntwaeaborwa**, University of the Free State, South Africa
- 12:35-13:00** Title: **Superconducting topological crystalline insulator Nanostructures candidate materials suitable for topological quantum computation**  
**Satoshi Sasaki**, University of Leeds, UK

**Lunch Break 13:00-13:40 @ Source Grill**

- 13:40-14:05** Title: **The uniting of spectroscopy and diffractometry to the common benefit of nanoscience**  
**Werner Lottermoser**, Salzburg University, Austria
- 14:05-14:30** Title: **Examination of strong interaction between plasmon and molecular exciton by surface enhanced spectroscopy**  
**Tamitake Itoh**, National Institute of Advanced Industrial Science and Technology, Japan
- 14:30-14:55** Title: **Chitosan a potent nanoparticle for nutrient delivery into plant systems**  
**Surya Anjani Kumar**, Jawaharlal Nehru Technological University, India

## Young Research Forum

- 14:55-15:15** Title: **Novel bottom-up sub-micron architectures for advanced functional materials**  
**Chiara Busa**, University of Birmingham, UK



- 15:15-15:35** Title: **Polymeric micelle embedded Chitosan nano particles as hydrophobic drug carrier**  
**Esra Cihan**, Izmir Institute of Technology, Turkey
- 15:35-15:55** Title: **Synthesis of silver nanoparticles using Tamarind kernel powder and Acacia Nilotica via a green route and its cytotoxicity study**  
**Sabina Yeasmin**, University of Calcutta, India

**Networking and Refreshments Break: 15:55-16:15 @ Outside Room**

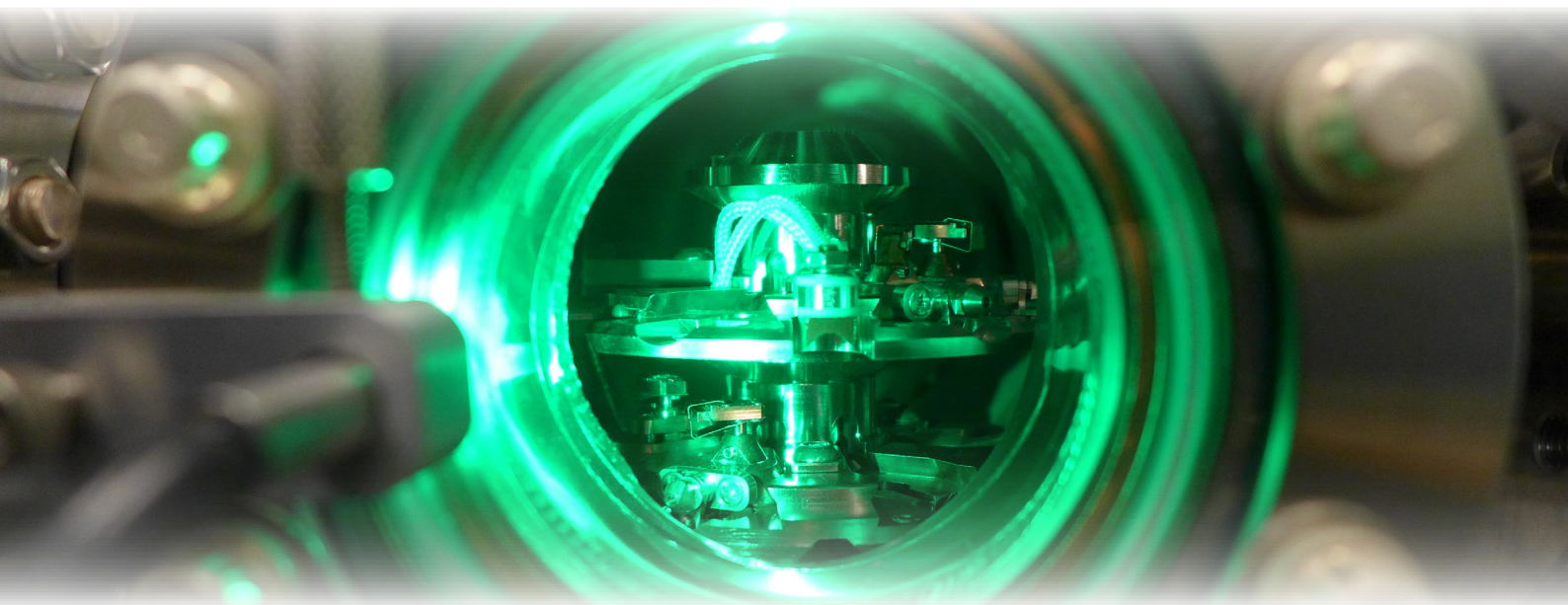
**Video Presentation**

- 16:15-16:35** Title: **Wireless power for body devices**  
**Mary Mehrnoosh Eshaghian-Wilner**, University of Southern California, USA

**Poster Presentations**

- 16:35-17:00** Title: **Porous graphene aerogel supercapacitors**  
**Hyun Young Jung**, Gyeongnam National University of Science and Technology, Korea
- Title: **A new fluorescence/PET probe for intracellular human telomerase reverse transcriptase (hTERT) using Tat peptide-conjugated IgM antibody**  
**Kyung Oh Jung**, Seoul National University College of Medicine, Korea
- Title: **New approach to biomolecular self-assembly through formation of peptide architectures by artificial supersaturation**  
**Makoto Sakurai**, National Institute for Materials Science, Japan
- Title: **The molecular mechanism of antimicrobial properties of laser processed nano-particles**  
**Peri Korshed**, The University of Manchester, UK
- Title: **Nanocomposites of layered clays and graphene/graphene oxide for drug delivery**  
**Nada Hegazy**, American University in Cairo, Egypt

**Closing & Award Ceremony**



**Bookmark your dates**

# **19<sup>th</sup> Nano Congress for Next generation**

**October 16-17, 2017 Dubai ,UAE**

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