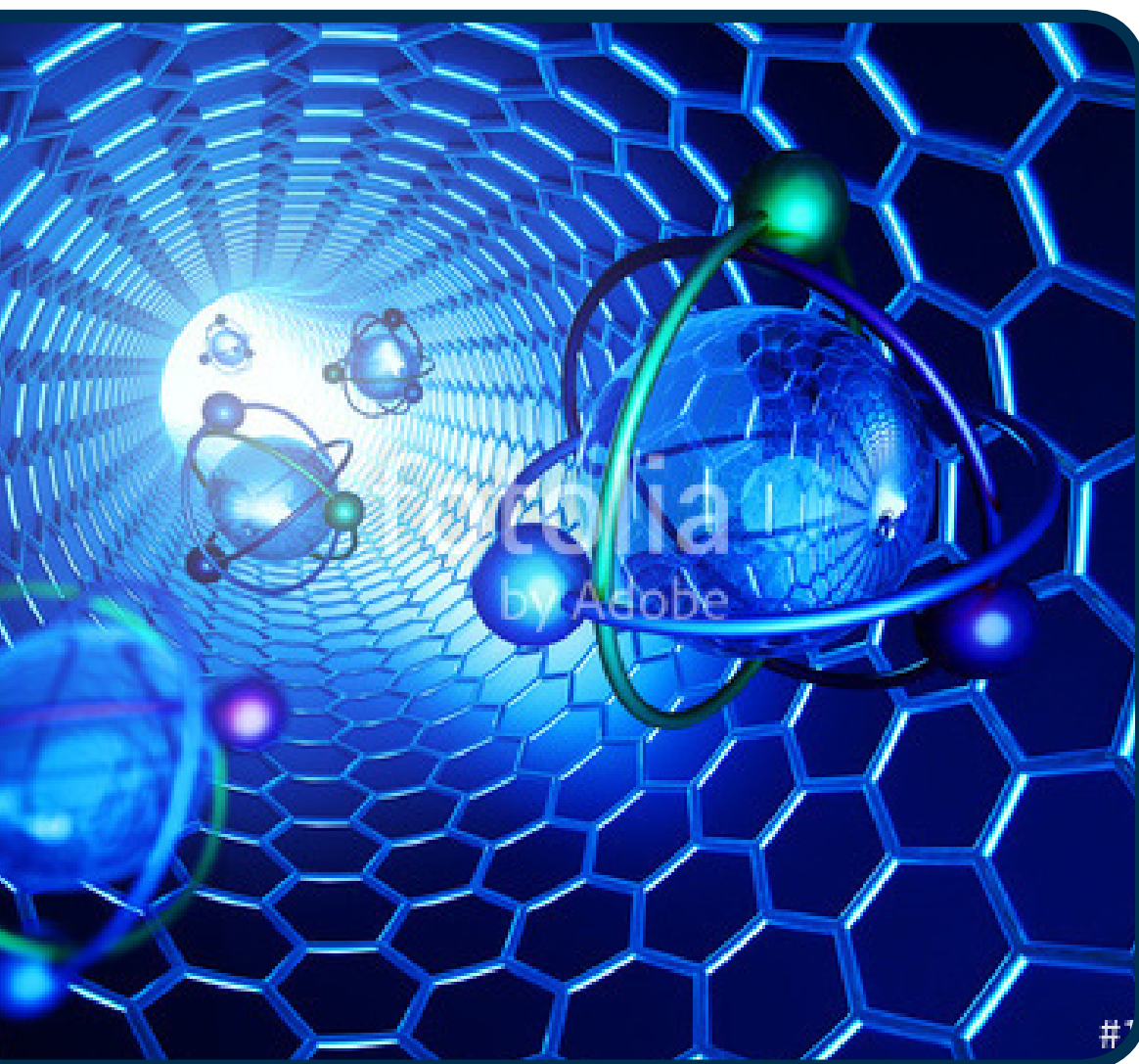


Scientific Program

ANNUAL CONFERENCE ON
**NANOSCIENCE, NANOTECHNOLOGY &
ADVANCED MATERIALS**

NOVEMBER 26-27, 2018 BALI, INDONESIA



NANOSCIENCE MEET 2018

Conference Series llc Ltd

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Monday 26th November 2018

Day 1

09:00-09:30

Registration Opens

Hall

09:30-10:00

Opening Ceremony

Introduction

10:00-11:00

Keynote Presentation

Title: Nonlinear effect assisted magneto resistance and non-volatile reconfigurable spin logic
Xiaozhong Zhang, Tsinghua University, China



11:00-11:20

Networking and Refreshments Break with Group Photo

11:20-12:20

Keynote Presentation

Title: An innovative nickel oxide based nanomaterial for gas sensing applications
Sabrina Conoci, STMicroelectronics, Italy



Sessions: **Quantum Dots and Nanomagnetism** | **Nanosensors and Nanoscale Electronics** | **Mathematical Modelling in Nanoscience and Nanotechnology** | **Nanotech for Energy and Environment**

Session Chair: **Xiaozhong Zhang**, Tsinghua University, China

12:20-12:55

Title: Multiple mechanisms of metal nanoparticle-mediated radio-sensitization of tumor cells
Martin Falk, Institute of Biophysics of ASCR, Czech Republic

Lunch Break 12:55-13:55 @ Restaurant

13:55-14:30

Title: Stability, transformation and toxicity of engineered nanomaterials in biological systems
Bey Fen Leo, University of Malaya, Malaysia

14:30-15:05

Title: Study of biosorption process of gold using nanofiber chitosan/PVA
Dwi Sabda Budi Prasetya, IKIP Mataram, Indonesia

Networking and Refreshments Break 15:05-15:25 @ Foyer

15:25-16:00

Title: Epitaxial growth of 2D layered InSe by using molecular beam epitaxy
Chia-Hsing Wu, National Chiao Tung University, Republic of China

16:00-16:35

Title: Structural analysis of the nanostructures formed aromatic aminoacids
Sahin Uyaver, Turkish-German University, Turkey

Panel Discussion

Hall

Sessions: Advanced Nanomaterials | Nanotech for Energy and Environment

Session Chair: **Sabrina Conoci**, STMicroelectronics, Italy

10:30-11:05

Title: Graphene oxide nano-hybrid as innovative material for photo-stimulated NO release and photo-thermia
Sabrina Conoci, STMicroelectronics, Italy

Networking and Refreshments Break 11:05-11:25 @ Foyer

11:25-12:00

Title: Dendrimer coated SPIONs for exploring biomedical applications

Navjeet Kaur, Ramnarain Ruia College, India

12:00-12:35

Title: Electrochemical reduction of CO₂ by Arc plasma deposition of copper and gold composite nano particles

Fahd S Khan, University of Tokyo, Japan

Lunch Break 12:35-13:05 @ Restaurant

Poster Presentations

NAM-01

Title: Functionalized SPIONs for enhancing MR imaging and exploring efficient techniques in drug delivery

Navjeet Kaur, Ramnarain Ruia College, India

NAM-02

Title: Development of heat sink coating solution and process containing MWCNT with thermal conductivity of 201.9W/mK and super hydrophobic surface

Juyoung Kim, Korea Institute of Industrial Technology, South Korea

NAM-03

Title: Polymerase chain reaction efficiency improved by gold nanoparticles immobilized at the micro-reactor surface

Sabrina Conoci, STMicroelectronics, Italy

NAM-04

Title: Radio sensitization of resistant (head and neck) tumor cells by metal nanoparticles

Iva Falkova, Institute of Biophysics of CAS, Czech Republic

NAM-05

Title: Electrical properties of triboelectric nano-generators based on textile substrate utilizing resin polarization layer

Young Pyo Jeon, Hanyang University, South Korea

NAM-06

Title: The study of epitaxial InxSey thin films grown on GaAs(100) and c-plane sapphire by using molecular beam epitaxy

Chia-Hsing Wu, National Chiao Tung University, Republic of China

Panel Discussions

Awards and Closing Ceremony

