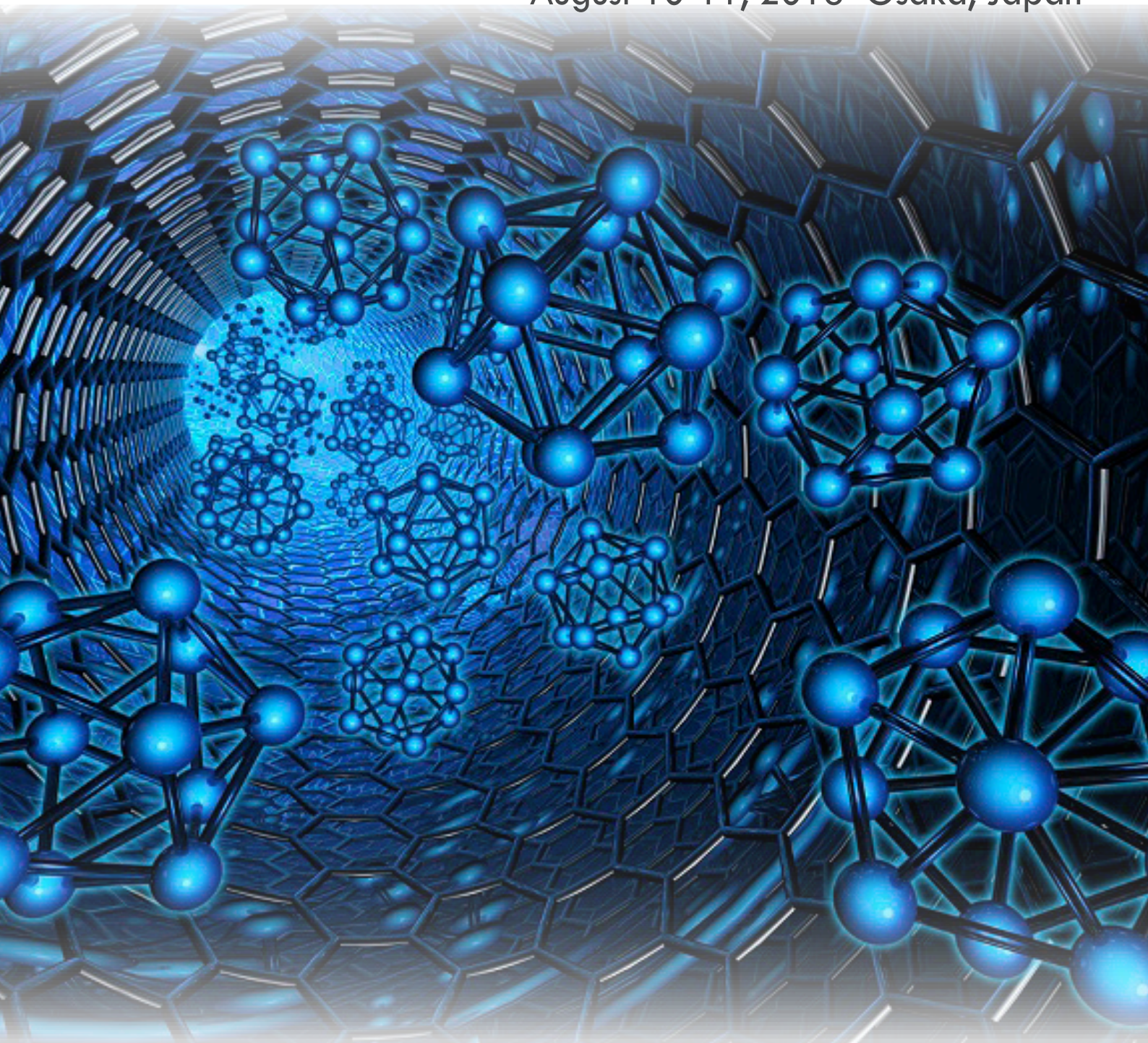


2nd World Congress on

Nano Science and Nano Technology

August 10-11, 2018 Osaka, Japan



Hosting Organization: Conference Series LLC LTD

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09:15-09:25

Opening Ceremony

Keynote Forum

09:25-09:30 Introduction

Title: Dielectric properties of the composites containing superparamagnetism particles

09:30-10:15

Masaru Matsuo, Dalian University of Technology, China

10:15-11:00

Title: How to enhance the electrochemical performance of supercapacitors and photocatalysts?

Jae-Jin Shim, Yeungnam University, Republic of Korea

Group Photo

Networking & Refreshments Break 11:00-11:15 @ 2F Foyer

11:15-12:00

Title: Photo-design of metal/polymer nanomaterial and nanostructured materials

Lavinia Balan, CNRS, Institute of Materials Science of Mulhouse, France

12:00-12:45

Title: Applications of four-dimensional electron microscopy in studies of dynamics and structures of nanomaterials

Jau Tang, Wuhan University, China

Lunch Break: 12:45-13:45 @ 2F Foyer

Session: Advance Nanomaterials and Nanoparticles | Materials science and Nanotechnology | Nanotechnology in Energy and Environment | Molecular Nanotechnology | Nanodevices and Nanosensors | Nano Electronics and Microsystems | Nano Physics

Session Chair: Masaru Matsuo, Dalian University of Technology, China

Session Co-Chair: Lavinia Balan, Institute of Materials Science of Mulhouse-CNRS, France

Session Introduction

13:45-14:15

Title: Dynamic magnetization of single domain nanomagnet

Hao Yu, Xi'an Jiaotong-Liverpool University, China

14:15-14:45

Title: Engineering carbon-based nanostructures for DNA sensor

Jin Zhang, Western University, Canada

14:45-15:15

Title: Self-assembly of porphyrin and heteroacene organic nanostructures

Jonathan P Hill, National Institute for Materials Science, Japan

15:15-15:45

Title: Innovative fast supercritical fluids synthesis of thermoelectric CoSb₃ nanoparticles

Angeline Poulon Quintin, University of Bordeaux, France

Networking & Refreshments Break @ 15:45-16:00 @ 2F Foyer

16:00-16:30

Title: Magneto-plasmonics on perpendicular magnetic nanostructures consisting of CoPt nano-layer and noble-metal nanoparticles

Haruki Yamane, Akita Industrial Technology Center, Japan

16:30-17:00

Title: Skin-Inspired Electronic Skins for Wearable Healthcare Devices

Hyunhyub Ko, Ulsan National Institute of Science and Technology, Republic of Korea

17:00-17:30

Title: Upconversion nanoparticles and organic dyes for the conversion of NIR radiations to visible light for solar cell applications

Abhijit P Jadhav, Ewha Womans University, South Korea

Video Presentation

17:30-18:15

Title: Impacts of nanoscale events on the neural functions of lives

Shengyong Xu, Peking University, China

Panel Discussions

Day 2 August 11, 2018

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Keynote Forum

09:30-10:15 **Title: Building and engineering highly organized single-walled carbon nanotube network architectures for various sensor applications**

Yung Joon Jung, Northeastern University, USA

10:15-11:00 **Title: Revisiting SWIR photo-detectors: Improvements on both light-matter interaction and electron transport**

Jean-Luc Pelouard, University of Paris-Saclay, France

Networking & Refreshments Break 11:00-11:15 @ 2F Foyer

11:15-12:00 **Title: Green fabrication of micro/nano materials by migration phenomena**

Yasuhiro KIMURA, Tohoku University, Japan

Panel Discussions

Session: Materials science and Nanotechnology | Advance Nanomaterials and Nanoparticles | Applications of Nanotechnology | Nanotechnology in Waste water treatment | Nanotechnology in Agriculture and Food Industry | Regenerative Nanomedicine and Drug Delivery

Session Chair: Jae-Jin Shim, Yeungnam University, Republic of Korea

Session Co-Chair: Jean-Luc Pelouard, University of Paris-Saclay, France

Session Introduction

12:00-12:30 **Title: Flexible sensors and actuators by metal nanowire percolation networks**

Seung Hwan Ko, Seoul National University, Republic of Korea

Lunch Break 12:30-13:30 @ 2F Foyer

YRF Session

13:30-14:00 **Title: Enhanced catalytic activity of MoS₂ nanoclusters for the hydrogen evolution reaction by Ni-doping and sulfur enrichment**

Yubiao Niu, Swansea University Bay Campus, UK

14:00-14:30 **Title: ZnMoS₄ nanorods grown on Ni foam for high performance hybrid-supercapacitors**

Awais Ali, Yeungnam University, Republic of Korea

14:30-15:00 **Title: Enhancement of electrochemical performance of Co₃O₄ at Ni foam electrode using redox-additive electrolyte**

Ganesh Dhakal, Yeungnam University, Republic of Korea

15:00-15:30 **Title: Preliminary discussion and verification for far infrared radiation energy**

Chun-Chi Chung, National Taiwan Normal University, Taiwan

15:30-16:00 **Title: Novel magnetically chitosan based N-heterocyclic carbene as recyclable nano-catalyst and highly efficient for cross-coupling reaction**

Pourya Zarshenas, Shahid Beheshti University, Iran

16:00-16:30 **Title: Strain engineered phonon and band gap modification in 2D materials**

Yanlong Wang, Dalian Institute of Chemical Physics, China

Poster Presentation

16:30-17:00 **Title: Analysis of MRSA combining aptamer-modified magnetic nanoparticles and mass spectrometry**

Yu-Tsen Liu, National Dong Hwa University, Taiwan

Networking & Refreshment Break 17:00-17:15 @ 2F Foyer

Panel Discussion

Awards & Closing Ceremony