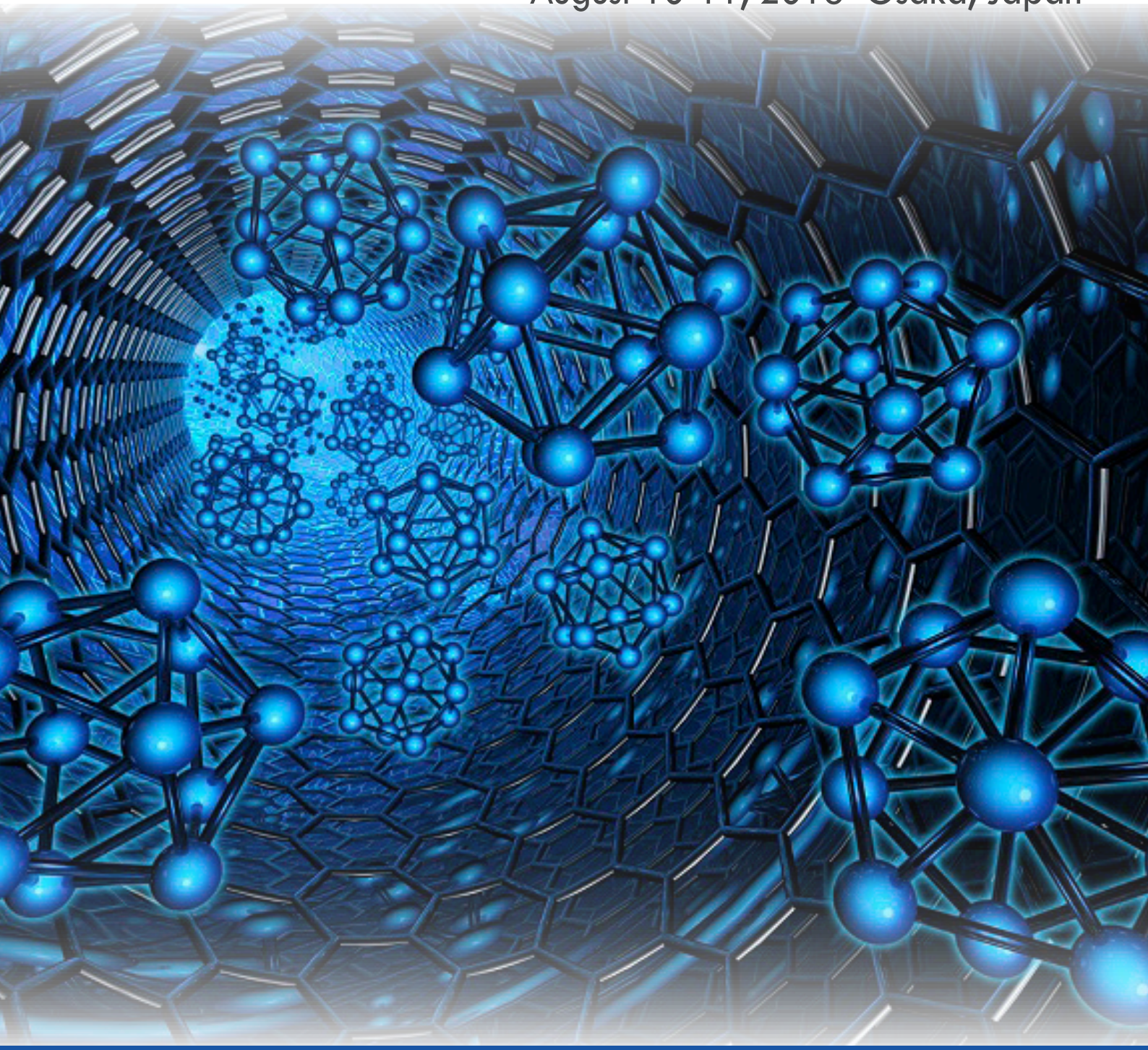
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Scientific Program

2nd World Congress on

Nano Science and Nano Technology

August 10-11, 2018 Osaka, Japan



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Day 1 August 10, 2018

08:45-09:15 **Registrations**

Mai

conferenceseries.com **09:15-09:25** **Opening Ceremony**

Keynote Forum

09:25-09:30 **Introduction**

09:30-10:15
Title: Dielectric properties of the composites containing superparamagnetism particles
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: Flexible sensors and actuators by metal nanowire percolation networks
Seung Hwan Ko, Seoul National University, Republic of Korea

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

16:00-16:30
Title: Innovative fast supercritical fluids synthesis of thermoelectric $CoSb_3$ nanoparticles
Angeline Poulon Quintin, University of Bordeaux, France

16:30-17:00
Title: Magneto-plasmonics on perpendicular magnetic nanostructures consisting of CoPt nano-layer and noble-metal nanoparticles
Haruki Yamane, Akita Industrial Technology Center, Japan

17:00-17:30
Title: Skin-Inspired Electronic Skins for Wearable Healthcare Devices
Hyunhyub Ko, Ulsan National Institute of Science and Technology , Republic of Korea

Panel Discussions

Day 2 August 11, 2018

Mai

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

Masumi Saka, Tohoku University, Japan

Video Presentation

12:00-12:30

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

Shengyong Xu, Peking University, China

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

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

YRF Session

13:30-14:00

Title: Enhanced catalytic activity of MoS_2 nanoclusters for the hydrogen evolution reaction by Ni-doping and sulfur enrichment

Yubiao Niu, Swansea University Bay Campus, UK

14:00-14:30

Title: $ZnMoS_4$ 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 Co_3O_4 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

Poster Presentation

15:30-16:00

Title: Analysis of MRSA combining aptamer-modified magnetic nanoparticles and mass spectrometry

Yu-Tsen Liu, National Dong Hwa University, Taiwan

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

Panel Discussion

Awards & Closing Ceremony