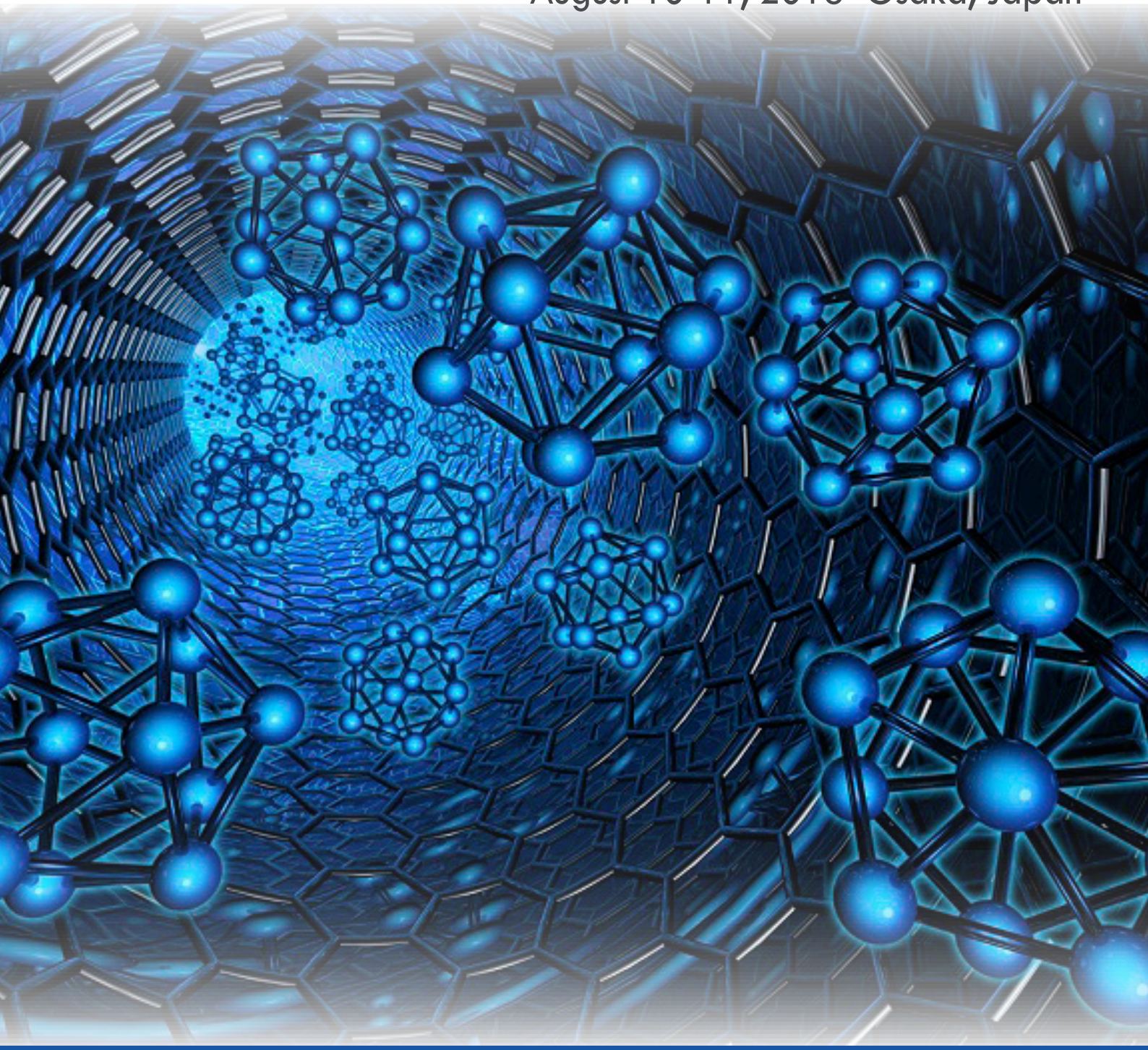
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Scientific Program

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

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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

11:15-12:00 Title: Photo-design of metal/polymer nanomaterial and nanostructured materials

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

12:00-12:45 Title: Applications of four-dimensional electron microscopy in studies of dynamics and structures of nanomaterials

Jau Tang, Wuhan Universities, China

Lunch Break: 12:45-13:45

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

16:00-16:30 Title: Innovative fast supercritical fluids synthesis of thermoelectric CoSb3 nanoparticles

Angeline Poulon Quintin, Institute of Chemistry of Condensed Matter 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

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Keynote Forum

09:15-10:00 **Title: Building and engineering highly organized single-walled carbon nanotube network architectures for various sensor applications**

Yung Joon Jung, Northeastern University, USA

10:00-10:45 **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 10:45-11:00@ 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

11:00-11:05 **Session Introduction**

YRF Session

11:05-11:35 **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

11:35--12:05 **Title: ZnMoS4 nanorods grown on Ni foam for high performance hybrid-supercapacitors**

Awais Ali, Yeungnam University, Republic of Korea

12:05-12:35 **Title: Enhancement of electrochemical performance of Co3O4 at Ni foam electrode using redox-additive electrolyte**

Ganesh Dhakal, Yeungnam University, Republic of Korea

12:35-13:05 **Title: Preliminary discussion and verification for far infrared radiation energy**

Chun-Chi Chung, National Taiwan Normal University, Taiwan

Lunch Break 13:05-14:00@ 2F Foyer

Poster Presentation

14:00-14:30 **Title: Analysis of MRSA combining aptamer-modified magnetic nanoparticles and mass spectrometry**

Yu-Tsen Liu, National Dong Hwa University, Taiwan

Video Presentation

14:30-15:00 **Title: Impacts of nanoscale events on the neural functions of lives**

Shengyong Xu, Peking University, China

Panel Discussion

Award Ceremony

Networking & Refreshment Break 15:40-16:00@ 2F Foyer

Closing Ceremony