

3RD ASIAN CONGRESS ON

NANOSCIENCE AND ADVANCED MATERIALS



Theme:

**"Evaluating the new Strategies and Solutions
for Nanoscience & Advanced Materials"**

Dates:

October 26 & 27 (In-Person)

Location:

Hotel Villa Fontaine Grand Haneda Airport, Tokyo



DAY 1

08:00 - 08:30 Onsite Registration & Seating Arrangement
08:30 - 09:00 Introduction & Opening Ceremony

Plenary Presentation

09:00 - 09:35 **Prof. Yen-Ho Chu** National Chung Cheng University, Taiwan
Title: Small, Thermo-Responsive Organic Materials

09:35 - 10:10 **Prof. Rainer Waser** RWTH Aachen University, Germany
Title: Neuromorphic Computing – From Neuroscience Inspiration to AI Applications

Refreshment & Coffee - 10:10 - 10:30

Keynote Presentation

10:30 - 11:00 **Prof. Ildoo Chung** Pusan National University, Korea
Title: Biodegradable and Thermoresponsive Porous Micro/Nanoparticles

11:00 - 11:30 **Prof. Himdi Mohamed** Université de Rennes, France
Title: Reconfigurable Artificial Materials for RF Circuits and Antennas

11:30 - 12:00 **Dr. Sumreen Asim** CIIAE, Iberian Research Center, Caceres, Spain
Title: Emerging Materials for Next-Generation Energy Storage: Engineering Prussian Blue Analogues for Potassium-Ion Batteries

12:00 - 12:30 **Prof. Masahiro Yoshimura** Tokyo Institute of Technology, Japan
Title: Why Have We Proposed Polymer Complex Method for Synthesis of Multi-Component Catalysis Oxides Rather Than Sol-Gel Method?

12:30 - 13:00 **Prof. Maria Tomoaia-Cotisel** Babes-Bolyai University of Cluj-Napoca, Romania
Title: Innovative Nanobiotechnology: Multifunctional Gold Nanoparticles Designed as Drug Delivery Nanostructures for Targeting Human Cancer Cells

Memorable Group Photo & Tempting Buffet lunch - 13:00 - 13:45

Oral Presentation

13:45 - 14:10 **Dr. Jae-Young Joo** Korea Photonics Technology Institute (KOPTI), Republic of Korea
Title: High-Power Blue Laser Diode-Based Non-Contact Anti-Biofouling Technology for Marine Sensor Maintenance

14:10 - 14:35 **Prof. Win-Long Chia** Fu Jen Catholic University, Taiwan
Title: A Lifetime on Synthesis of Nitrogen-containing Liquid Crystals

14:35 - 15:00 **Dr. Sungchil Yang** City University of Hong Kong, Hong Kong
Title: A Cortical Encoding Device for Improved Hearing: The Cortical Ear

15:00 - 15:25 **Prof. Jeng Da Chai** National Taiwan University, Taiwan
Title: Recent Advances in Thermally-Assisted-Occupation Density Functional Theory and Their Applications to Multi-Reference Systems at the Nanoscale

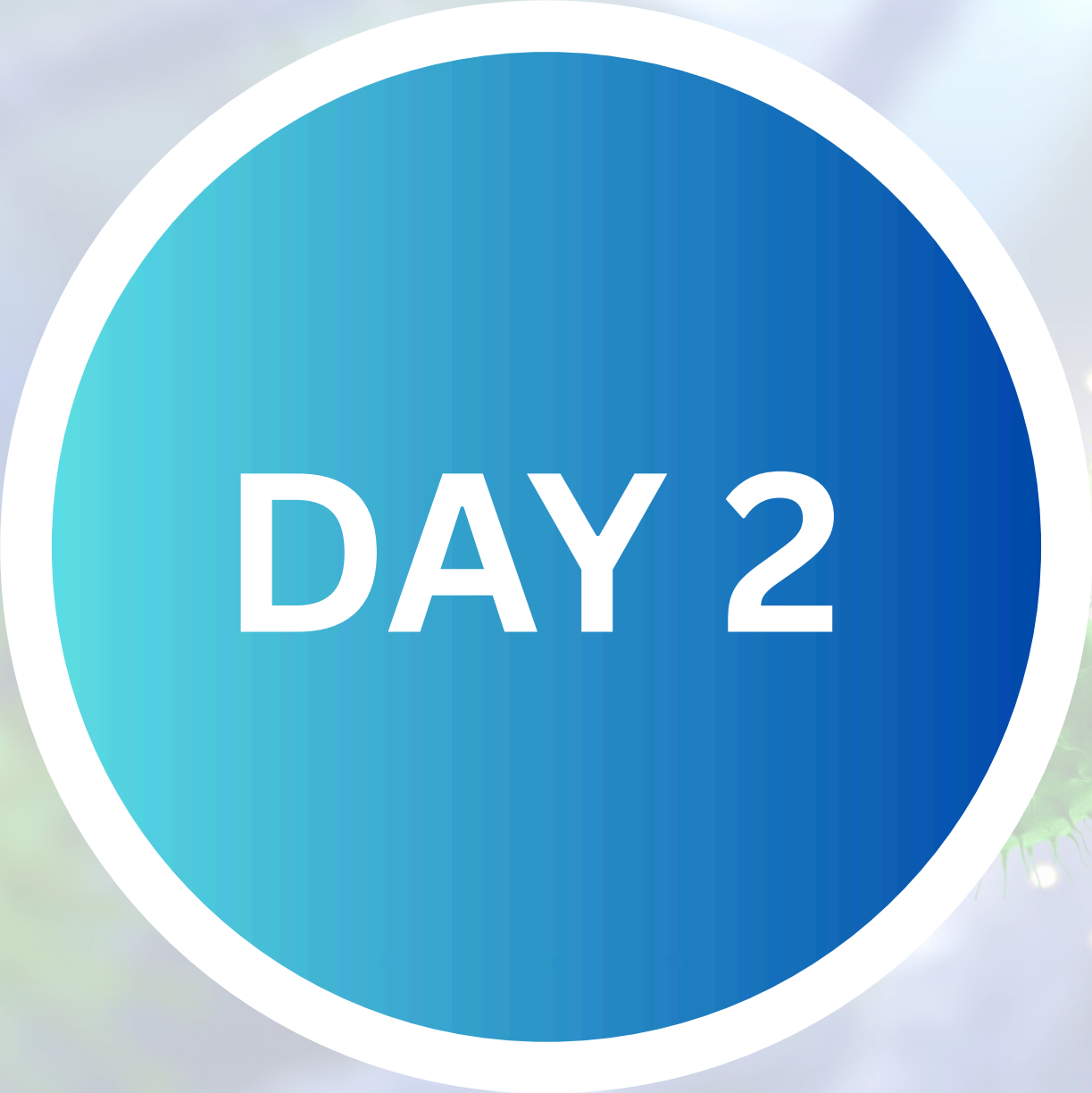
Refreshment & Coffee - 15:25 - 15:45

Oral Presentation

15:45 - 16:10 **Prof. Qiuhe Peng** Nanjing University, China
Title: Why No Black Hole ?

16:10 - 16:35 **Prof. Jiong Zhou** Northeastern University, China
Title: Macrocyclic Co-Crystal Materials

End of Day 1 Conference



DAY 2

08:50 - 09:00 Onsite Registration & Seating Arrangement

Plenary Presentation

09:00 - 09:35 **Prof. Masahiro Yoshimura** Tokyo Institute of Technology, Japan
Title: Importance of Soft, Solution Processing (=Low Energy Production) for Advanced Nano-Materials for Sustainable Society

Keynote Presentation

09:35 - 10:05 **Dr. Wei Li** University of Tennessee Health Science Center, USA
Title: pH-Sensitive Nanoparticle Conjugate of CH2-102 Shows Efficacy Against Melanoma Lung Metastases

Refreshment & Coffee - 10:05 - 10:25

Keynote Presentation

10:25 - 10:55 **Prof. Hung Wing Li** The Chinese University of Hong Kong, China
Title: ROS Self-Supply Nanoplatform: Reprogramming Cold Tumor into Hot Tumor in Cancer Treatment

10:55 - 11:25 **Dr. Miguel A. Correa Duarte** Universidade de Vigo, Spain
Title: Plasmon-Assisted Plasmonic Hybrid Photocatalysts for Sustainable Solar Fuel and Ammonia Production

11:25 - 11:55 **Dr. Maria Glushkova** Rostov State Medical University, DAVINCHI Clinic, Russia
Title: Systemic Changes in Blood Parameters in Patients with Acquired Skin Hyperpigmentations. Impact on the Prognosis of Therapy Outcomes and the Likelihood of Relapses

Oral Presentation

11:55 - 12:20 **Dr. Gianfranco Peluso** UNICAMILLUS International Medical University, Italy
Title: Plant-derived Extracellular Vesicles (PDEVs): A Novel Class of Natural Nanovectors for Biomedical Applications

12:20 - 12:45 **Dr. Ana Sousa Castillo** Universidade de Vigo, Spain
Title: Hybrid Nanostructured Membranes for Efficient and Reusable Photocatalytic Systems

12:45 - 13:10 **Dr. Margarita Vázquez González** Universidade de Vigo, Spain
Title: Metal-Organic Framework Platforms: Combining Plasmonic Nanoparticles and Metal Centers into Hybrid Photocatalysts

Memorable Group Photo & Tempting Buffet lunch - 13:10 - 13:55

Oral Presentation

13:55 - 14:20 **Dr. Maria Blanco-Formoso** Universidade de Vigo, Spain
Title: Spiropyran-Based Glutamate Nanovalve for Neuronal Stimulation

14:20 - 14:45 **Prof. Adelhamid El kaaouachi** Faculty of Sciences Ibn Zohr of Agadir, Morocco
Title: Magnetoconductivity behaviour due to electron-electron interactions, weak localization and Zeeman effects in 2-D-layered WS₂

Poster Presentation (14:45- 15:45)

EM261 **Mr. Yota Suzuki** Shibaura Institute of Technology, Japan
Title: Study of Fabrication and Characterizations of Nanostructured Ti oxides Using Powder by Means of the Wet Corrosion Process (WCP) and Their Application in Photocatalysis

EM262 **Mr. Shohei Asao** Shibaura Institute of Technology, Japan
Title: Study of Fabricating Condition and Characterization of Nanostructured TiNi Alloys Oxides by Means of Wet Corrosion Process (WCP) for Biomaterials

- EM263 **Mr. Yuma Kato** Shibaura Institute of Technology, Japan
Title: Study of Fabricating Condition and Characterization of the Mg Incorporated Nanostructured Ti Oxides by Means of Wet Corrosion Process (WCP) Using Various Concentrations of KOH solution
- EM264 **Mr. Yuto Konno** Shibaura Institute of Technology, Japan
Title: Facile Synthesis of Nanostructured Zirconia Oxides Via Wet Corrosion Process (WCP) for Application in Biomaterials
- EM265 **Mr. Rihito Hatanaka** Shibaura Institute of Technology, Japan
Title: Study of Fabrication and Characterization of Mg Incorporated Nanostructured Ti Oxides by Means of Wet Corrosion Process (WCP) Using Various Concentrations of MgCl₂ solution
- EM266 **Mr. Mizuki Hoshino** Shibaura Institute of Technology, Japan
Title: Study of the Effect of SBF Concentration on Hydroxyapatite Formation onto Nanostructured Ti Oxides Fabricated by the Wet Corrosion Process (WCP)
- EM267 **Mr. Shunto Ichimaru** Shibaura Institute of Technology, Japan
Title: Fabrication and Characterizations of Nanostructured Copper (Cu) Oxide by Means of Wet Corrosion Process (WCP) and Their Application as Photocatalysts
- EM268 **Mr. Bun Shu** Shibaura Institute of Technology, Japan
Title: Facile Synthesis of Nanostructured Tantalum Oxides Via Wet Corrosion Process (WCP) and Their Potential for Biomaterials Applications
- EM269 **Ms. Amani Cherif** Universite de Rennes, France
Title: A Coplanar Waveguide Approach Using Substrate-Integrated Bridges for Impedance Control, Circuit Miniaturization, Ground Balancing, and Crossover Applications
- NA261 **Prof. Joo Hyun Kim** Pukyong National University, South Korea
Title: Defect Passivation of ZnO Hybrid Films via Tosylate Anion Engineering for Organic Solar Cells

Refreshment & Coffee - 15:20 - 15:40

****End of the 2 Conference****

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★ Materials Science | Nanotechnology | Energy | Catalysis

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🇭🇰 Hong Kong | 09–11 November 2026

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2027 Conferences

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Euro Materials 2027

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Advanced Energy Materials 2027

<https://energymaterials.mindauthors.com/>

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Catalysis Summit SRH 2027

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