

Global conference on

ADVANCED MATERIALS & NANOTECHNOLOGY

Theme:

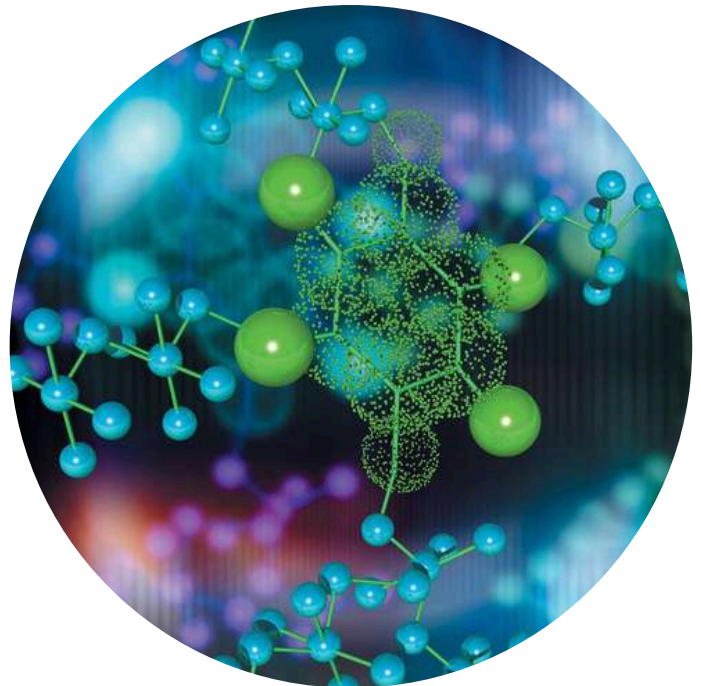
*"Engineering a Smarter Future Through
Advanced Materials and Nanotechnology"*

Dates:

October 26, 27 (In-Person) &
October 28, 2026 (Virtual via Zoom Platform)

Venue:

*Hotel Villa Fontaine Grand Haneda Airport, Tokyo
Japan*



Tentative Agenda

Introduction & Opening Ceremony

Last Updated on 18th August 2026

Plenary Presentation

Prof. Masahiro Yoshimura	<i>Tokyo Institute of Technology, Japan</i>	Importance of Soft, Solution Processing (=Low Energy Production) for Advanced Nano-Materials for Sustainable Society
Prof. Rainer Waser	<i>RWTH Aachen University, Germany</i>	Neuromorphic Computing – From Neuroscience Inspiration to AI Applications
Prof. Sayyad Zahid Qamar	<i>Sultan Qaboos University, Oman</i>	Advancing Sustainability in Materials and Manufacturing Engineering: Challenges, Innovations, and Future Directions

Keynote Presentation

Dr. Miguel A. Correa Duarte	<i>Universidade de Vigo, Spain</i>	Plasmon-assisted Plasmonic Hybrid Photocatalysts for Sustainable Solar Fuel and Ammonia Production
Prof. Hung Wing Li	<i>The Chinese University of Hong Kong, China</i>	ROS Self-supply Nanoplatfrom: Reprogramming Cold Tumor into Hot Tumor in Cancer Treatment
Prof. ILDOO CHUNG	<i>Pusan National University, Korea</i>	Biodegradable and thermoresponsive porous micro/nanoparticles
Prof. Jiong Zhou	<i>Northeastern University, China</i>	Macrocycle co-crystal materials
Prof. Qiuhe Peng	<i>Nanjing University, China</i>	Why No Black Hole ?
Prof. Yaohua ZHU	<i>Hong Kong Polytechnic University, Hong Kong</i>	On electropulsing induced phase transformations and their practical applications of thin films of TCO and TE semiconductors
Prof. Yen-Ho Chu	<i>National Chung Cheng University, Taiwan</i>	Small, Thermo-responsive Organic Materials
Prof. Janusz Kozinski	<i>Lakehead University, Canada</i>	Smart Materials for Hydrogen Generation via Hydrothermal Processing
Prof. Maria Tomoaia-Cotisel	<i>Babes-Bolyai University of Cluj-Napoca, Romania</i>	Innovative Nanobiotechnology: Multifunctional gold nanoparticles designed as drug delivery nanostructures for targeting human cancer cells
Prof. Himdi Mohamed	<i>Université de Rennes, France</i>	Reconfigurable Artificial Materials for RF Circuits and Antennas
Dr. Maria Glushkova	<i>Rostov State Medical University, DAVINCI Clinic, Russia</i>	Systemic changes in blood parameters in patients with acquired skin hyper pigmentations. Impact on the prognosis of therapy outcomes and the likelihood of relapses.
Mr. Albin Kälin	<i>epeaswitzerland gmbh, Switzerland</i>	Cradle to Cradle Design Innovations
Dr. Sumreen Asim	<i>Avenida de la Universidad Escuela Politécnica, Spain</i>	Emerging Materials for Next-Generation Energy Storage: Engineering Prussian Blue Analogues for Potassium-Ion Batteries

Prof. LevS.Rapoport	<i>Holon Institute of Technology, Israel</i>	Structural stability and instability during friction of FCC metals
Prof. Wei-Hong Katie Zhong	<i>Washington State University, USA</i>	Natural Proteins for Energy storage and Environment Protection
Dr. Giuseppe Forte	<i>Catania University, Italy</i>	Design of Photoactive Molecular and Nano-Systems for Biomedical and Functional Applications
Prof. Magnus S Magnússon	<i>University of Iceland, Iceland</i>	From DNA to Genes and Text to Curricula: T-patterns, T-strings and T-societies, and Two Turning Points in Natural History
Oral Presentation		
Dr. Wei Li	<i>University of Tennessee Health Science Center, USA</i>	pH-sensitive nanoparticle conjugate of CH-2-102 shows efficacy against melanoma lung metastases
Prof. Win-Long Chia	<i>Fu Jen Catholic University, Taiwan</i>	A lifetime on synthesis of nitrogen-containing liquid crystals
Dr. Sungchil Yang	<i>City University of Hong Kong, Hong Kong</i>	A cortical encoding device for improved hearing: The cortical ear
Prof. Jeng Da chai	<i>National Taiwan University, Taiwan</i>	Recent Advances in Thermally-Assisted-Occupation Density Functional Theory and Their Applications to Multi-Reference Systems at the Nanoscale
Dr. Gianfranco Peluso	<i>UNICAMILLUS International Medical University, Italy</i>	Plant-derived Extracellular Vesicles (PDEVs): a novel class of natural nano-vectors for biomedical applications
Dr. Ana Sousa Castillo	<i>Universidade de Vigo, Spain</i>	Hybrid Nanostructured Membranes for Efficient and Reusable Photocatalytic Systems
Dr. Margarita Vázquez González	<i>Universidade de Vigo, Spain</i>	Metal-Organic Framework Platforms: Combining Plasmonic Nanoparticles and Metal Centers into Hybrid Photocatalysts
Dr. Jae-Young Joo	<i>Korea Photonics Technology Institute (KOPTI), Republic of Korea</i>	High-Power Blue Laser Diode-Based Non-Contact Anti-Biofouling Technology for Marine Sensor Maintenance
Dr. Maria Blanco-Formoso	<i>Universidade de Vigo, Spain</i>	Spiropyran-based glutamate nanovalve for neuronal stimulation
Prof. Warwick Bowen	<i>The University of Queensland, Australia</i>	Optical nanocavities allow observations of unlabeled protein dynamics at microsecond speeds
Dr. Tso Chi Yan	<i>City University of Hong Kong, Hong Kong</i>	Advancing Carbon Neutrality Through Smart Building Envelopes
DR UZMA	<i>University of Glasgow, UK</i>	Physics-Informed Scalable AI for Sparse Data Modelling

Prof. Yining Wu	<i>China University of Petroleum, China</i>	Research Progress on the Application of Nanomaterials in Oil and Gas Field Development
Prof. Martin Bolduc	<i>Université du Québec à Trois-Rivières, Canada</i>	INKJET-PRINTING FOR FLEXIBLE HYBRID ELECTRONICS (FHE)
Prof. Mingwei Zhao	<i>China University of Petroleum, China</i>	Research Progress on the Application of Nanomaterials in Oil and Gas Field Development
Prof. Sergio Ricardo de Lazaro	<i>State University of Ponta Grossa, Brazil</i>	Searching Magnetic Engineering through Oxygen Defects on the CaFeO₃
Prof Zenixole Tshentu	<i>Nelson Mandela University, South Africa</i>	Functional track-etched membranes for recovery of platinum group metals from leachates of spent catalytic converters
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Poster Presentation		
Prof. Joo Hyun Kim	<i>Pukyong National University, South Korea</i>	Defect Passivation of ZnO Hybrid Films via Tosylate Anion Engineering for Organic Solar Cells
Mr. Yota Suzuki	<i>Shibaura Institute of Technology, Japan</i>	Study of Fabrication and Characterizations of Nanostructured Ti oxides using powder by means of the Wet Corrosion Process (WCP) and Their Application in Photocatalysis
Mr. Rihito Hatanaka	<i>Shibaura Institute of Technology, Japan</i>	Study of Fabrication and Characterization of Mg incorporated Nanostructured Ti Oxides by means of Wet Corrosion Process (WCP) using various concentrations of MgCl₂ solution
Mr. Shohei Asao	<i>Shibaura Institute of Technology, Japan</i>	Study of Fabricating condition and Characterization of Nanostructured TiNi Alloys Oxides by means of Wet Corrosion Process (WCP) for Biomaterials
Mr. Yuma Kato	<i>Shibaura Institute of Technology, Japan</i>	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
Mr. Shunto Ichimaru	<i>Shibaura Institute of Technology, Japan</i>	Fabrication and Characterizations of Nanostructured Copper (Cu) Oxide by means of Wet Corrosion Process (WCP) and Their Application as Photocatalysts
Mr. Yuto Konno	<i>Shibaura Institute of Technology, Japan</i>	Facile Synthesis of Nanostructured Zirconia Oxides via Wet Corrosion Process (WCP) for Application in Biomaterials

Mr. Shu Bun

*Shibaura Institute of
Technology, Japan*

**Facile Synthesis of Nanostructured
Tantalum Oxides via Wet Corrosion Process
(WCP) and Their Potential for Biomaterials
Applications**

Mr. Mizuki Hoshino

*Shibaura Institute of
Technology, Japan*

**Study of the Effect of SBF concentration on
hydroxyapatite formation onto
Nanostructured Ti Oxides fabricated by the
Wet Corrosion Process (WCP)**

**Ms. Amani
Cherif**

Université de Rennes, France

**A Coplanar Waveguide Approach Using
Substrate-Integrated Bridges for Impedance
Control, Circuit Miniaturization, Ground
Balancing, and Crossover Applications**

**Mr. Muhammad
Bilal Khan**

*Kaohsiung Medical University,
Taiwan*

**Green chemistry synthesized sulfur and
nitrogen co-doped graphene quantum dots:
a sustainable fluorescent nanosensing
platform for ultrasensitive Fe³⁺ detection**

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



**9450 SW Gemini Dr
Suite 71868
Beaverton, Oregon 97008 US**

**Telephone : +1 332 258 9336
info@mindauthors.us**

