



SCITECHMEETS

International Conference on Materials Science and Nanoscience

Tokyo, Japan on November 03-04, 2025.

Day 1- November 03-04

08:00-08:30	Registrations
08:30-09:15 (Plenary)	Title: Phase-controlled microwave synthesis of pure monoclinic BiVO ₄ nanoparticles for photocatalytic dye degradation. Shuiliang Yao, National Science and Technology Development Agency, Thailand
09:15-10:00 (Plenary)	Title: Nitrogen-doped mesoporous carbon thin film for binder-free supercapacitor. Bin Mu, Georgia Institute of Technology, United States
10:00-10:35 (Keynote)	Title: Laminated antimonene as an alternative and efficient shielding strategy against X-ray radiation. Liping Yang, Harvard University, United States
10:35-11:00 (Featured)	Title: Advancements in Intelligent Sensing: Incorporating Near-Sensor for Ultra-Low-Power Tactile Applications Chao-Hung Wang, National Cheng Kung University, Tainan, Taiwan
11:00-11:15	Refreshment Break
11:15-11:35 (Keynote)	Title: Synthesis of a 3D Graphene Oxide Composite with Heteroatom Doping for Removing Antidepressant Pharmaceutical Residue from Wastewater Lai Yee Lee, University of Nottingham, Malaysia
11:35-12:10 (Plenary)	Title: Double is better: achieving an oxide solar-blind UV detector with ultrahigh detectivity and fast-refreshing capability TU King-Ning, City University of Hong Kong, Hong Kong
12:10-12:40 (Featured)	Title: Optimized Tb-doped (Gd,Y) ₃ (Ga,Al) ₅ O ₁₂ ceramic scintillators with enhanced efficiency for indirect-conversion nuclear batteries. Jiaguo Yu, China University of Geosciences, China
12:40-13:40	Lunch Break
13:40-14:25 (Plenary)	Title: Analysis of properties and deformation flow during production of thin-walled spherical parts from aluminum alloy 1580. Markus Antonietti, Max Planck Society, Germany
14:25-14:55 (Featured)	Title: Recent Progress in SiC Nanostructures as Anode Materials for Lithium-Ion Batteries. Xiong Wen Lou, Nanyang Technological University, Singapore

14:55-15:30 (Plenary)	Title: Formaldehyde Levels in Fabrics on the Ghanaian Market
	Takashi Taniguchi , National Institute for Materials Science, Japan
15:30-16:55 (Featured)	Title: Design aspects of butt-welded thermoplastic pipes
	Rodney S. Ruoff , Ulsan National Institute of Science and Technology, South Korea
16:55-17:10	Refreshment Break
17:10-17:40 (Keynote)	Title: An introduction to fracture mechanics for engineers: Part III: Elastic/plastic fracture mechanics and energy methods.
	Shi-Zhang Qiao , University of Adelaide, Australia
17:40-18:10 (Keynote)	Title: Mechanistic optimization of wide-gap ultrafast laser quartz glass welding with plasma dynamics.
	Jean-Marie Tarascon, Collège de France, France
18:10-18:35 (Featured)	Title: Influence of electrolyte pressure on localised electrochemical deposition quality
	C. N. R. Rao , Jawaharlal Nehru Centre for Advanced Scientific Research, India
18:35-19:00 (Featured)	Title: Study on element mixing of titanium-stainless steel dissimilar metal welding pool and its effect on joint properties in nanosecond laser welding.
	Yin-Ting Yeh , The Pennsylvania State University, USA
19:00-19:35 (Plenary)	Title: Study of viscous layer in friction welding of Fe/Al dissimilar metals: Formation, evolution and effect on joint properties.
	Anders Hagfeldt , Uppsala University, Sweden
19:35-19:45	Any Queries
Day 2- November 03-04	
08:30-09:15 (Plenary)	Title: The shielding effect of SH wave propagation in porous unidirectional infinite enclosed structure.
	Taeghwan Hyeon , Seoul National University, South Korea

09:15-10:00 (Plenary)	Title: A parametric model of joint-enhanced truss lattices with optimization for superior mechanical properties.
	Xinliang Feng , TU Dresden, Germany.
10:00-10:35 (Keynote)	Title: Mechanism of double exposure strategy for improving down-skin roughness and dimensional accuracy in support-free printing.
	Zhanhu Guo , Northumbria University, United Kingdom
10:35-11:00 (Featured)	Yet Not Received
	Slots are open
11:00-11:15	Refreshment Break
11:15-11:35 (Keynote)	Yet Not Received
	Slots are open
11:35-12:10 (Plenary)	Yet Not Received
	Slots are open
12:10-12:40 (Featured)	Yet Not Received
	Slots are open
12:40-13:40	Lunch Break
13:40-14:25 (Plenary)	Yet Not Received
	Slots are open
14:25-14:55 (Featured)	Yet Not Received
	Slots are open
14:55-15:30 (Plenary)	Yet Not Received
	Slots are open
15:30-16:55 (Featured)	Title: Yet Not Received
	Slots are open
16:55-17:40 (Keynote)	Title: Spinning solution viscosity reducing and wet spinning of carbon black-based elastic conductive fibers for sports monitoring and healthcare electrical heating.
	Yadong Li , Tsinghua University, China

17:40-18:00 (Featured)	Title: Effect of Al addition on mechanical and corrosion behavior of B10 alloy.
	Kazunori Kataoka , University of Tokyo, Japan
18:00-18:15	Any Queries
Changes in Program may arise due to technical issues or no shows, presenters are requested to stay available on the entire day of presentation.	