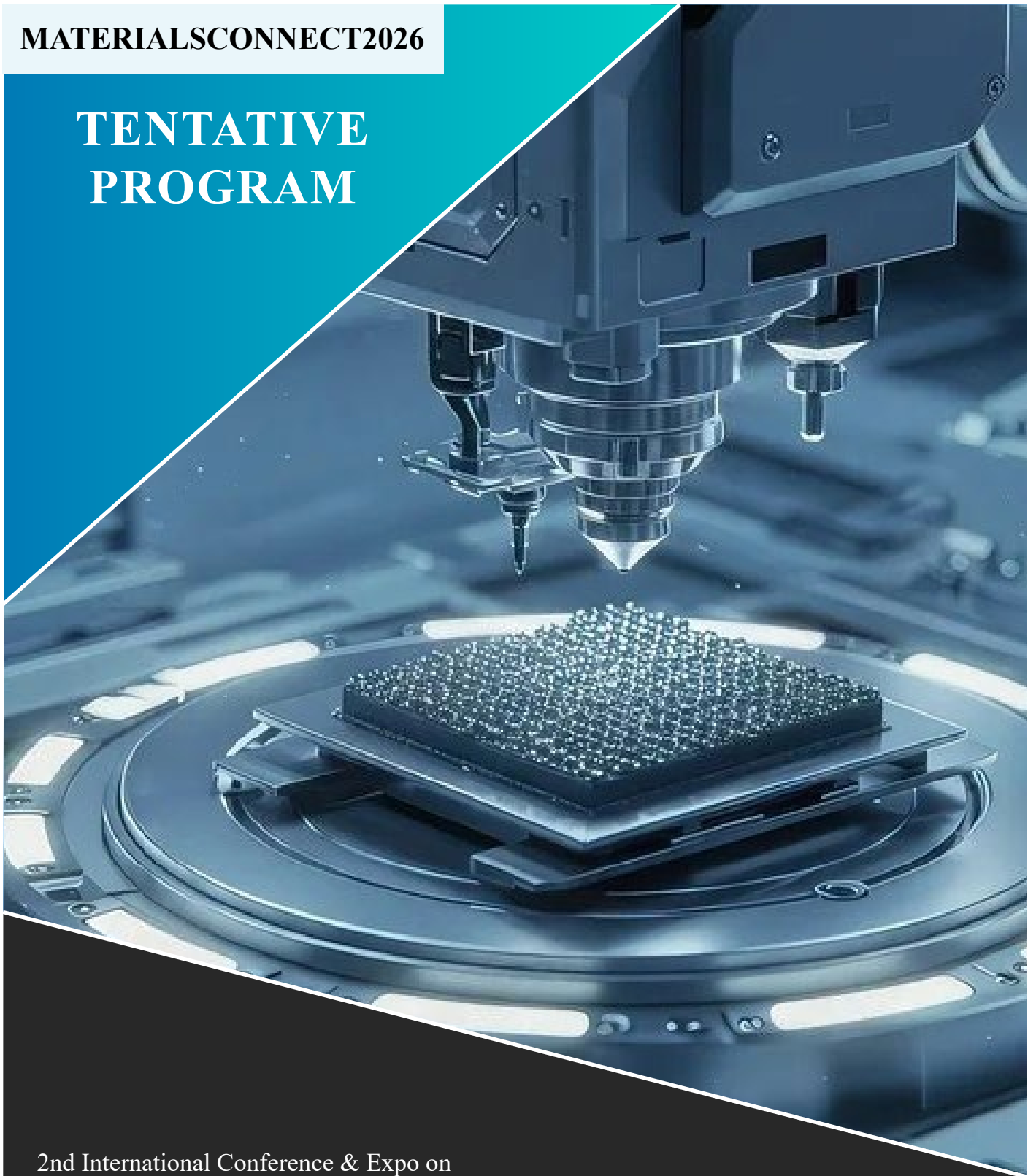


MATERIALSCONNECT2026

TENTATIVE PROGRAM



2nd International Conference & Expo on

MATERIALS SCIENCE AND ENGINEERING

April 20–22, 2026 | Osaka, Japan

DAY-01 Monday April 20, 2026		
09:00- 09:30	Registrations	
09:30-09:40	Opening Ceremony	
Award sponsorship in collaboration with the Journal of Polymer Science and Engineering and Characterization and Application of Nanomaterials		
PLENARY SESSION		
09:40-10:20	Title: Advanced Material Innovations for Electromagnetic Shielding and Radar Signature Reduction of Drones and UAVs	P
	Tomas Zalabsky, University of Pardubice, Czech Republic	
10:20-11:00	Title: Flexible Organic Electrochromic Devices Having Multicolored, Low-Voltage-Driven and High Contrast, and Organic Photovoltaic Properties Based on Oligomers and Viologen Derivatives	P
	Ping Liu, South China university of Technology, China	
11:00-11:15	Coffee Break	
11:15-11:55	Title: Surface Properties And Solvent Transport In Ion-Irradiated Polydimethylsiloxane	P
	Sanboh Lee, National Tsing Hua University, Taiwan	
11:55-12:35	Title: Clusters of Nanocompartments Mimicking Natural Organelles for Medical Applications	P
	Cornelia G. Palivan, Nanjing University, China	
KEYNOTE SESSION		
12:35-13:05	Title: Plasma as an Environmentally Friendly Technique for Modifying the Surface Properties of Polymer Materials	K
	Sanja Ercegovic Razic, University of Zagreb, Croatia	
13:05-13:10	Group Photo	
13:10-14:10	Lunch Break	
14:10-14:40	Title: Introduction to the Hyper-Exponential Function	K
	Uchida Keitaroh, Open University, Japan	
14:40-15:10	Title: Modeling Computational Fluid Dynamics with Quantum Physics Informed Neural Networks” of “Computational Modelling and Simulation in Material Science	K
	Hubert Kolcz, Warsaw University of Technology, Poland	
15:10-15:40	Title: Modulation phototherapy for Cancer by Metallbased Medication	K
	Igor Reshetov, Sechenov University, Russia	
15:40-16:10	Title: Development of a Portable Long Wave Infrared Hyperspectral Camera based on a Low Order Scanning Fabry-Pérot Interferometer	K
	Anders C L Jorgensen, Newtec Engineering A/S, Denmark	

16:10-16:30	Coffee Break	
16:30-17:00	Title: AI-Guided Design of Functional Materials: From Thermoelectrics to Data-Driven Spectroscopy	K
	Victor Posligua, National University of Singapore, Singapore	
17:00-17:25	Title: Fluorene-Bithiophene Based Fluorophore For High-Resolution Latent Finger Print Detection	I
	Dhanya Sunil, Manipal Institute of Technology, India	
17:25-17:50	Title: Study Of Low Temperature Thermoelectric Performance of Samarium Doped Cu2Snse3 System	I
	Ashok Rao, Manipal Institute of Technology, India	
End of the Day 1		

DAY-02 Tuesday April 21, 2026		
PLENARY SESSION		
10:00-10:40	Title: History of Nitride Semiconductors	P
	Takashi Matsuoka, Tohoku University, Japan	
10:40-11:20	Title: Role of Piezoelectric Materials in SAW Devices	P
	Bestley Joe S, SRM Institute of Science & Technology, India	
11:20-11:30	Coffee Break	
INVITED SESSION		
11:30-11:55	Title: Salt-Concentrated Crosslinked Poly(Ethylene Carbonate/Ethylene Oxide) Solid Polymer Electrolyte for Lithium-Ion Batteries	I
	Nantapat Soontornnon, Tokyo University of Agriculture and Technology, Japan	
11:55-12:20	Title: Green Magnetic Solid Phase Extraction with Hydrophobic Deep Eutectic Solvents for Simultaneous Analysis of NSAIDs, Sulfonamides, and Estrogens in Farm-Area Effluents by HPLC-DAD	
	Nur Nadhirah Mohamad Zain, Universiti Sains Malaysia, Malaysia	
12:20-12:45	Title: Computational Design of Energy Materials: Phosphide Catalysts for HER and p-Block–Doped Graphite for Redox-Flow Batteries	
	Natalia Podrojškova, Pavol Jozef Šafárik University in Košice, Slovakia	
12:45-13:00	Group Photo	
13:00-14:00	Lunch Break	
Digital Workshop		
14:00-15:30	Title: Keynote Talk and Digital Workshop on Cradle to Cradle Design Innovations	K
	Albin Kaelin, Epeaswitzerland gmbh, Switzerland	

Poster Presentations (15:30-16:40)	
Title: Technology and Dielectric Properties of Multicomponent PZT Type Ceramics Modified with Rare Earth Elements	PP
Dagmara Brzezinska , University of Silesia, Poland	
Title: Three-Component Multiferroic Ceramic Composites; Technology and Electrophysical Properties	PP
Dariusz Bochenek , University of Silesia, Poland	
Title: Emerging Functional and Smart Materials for Next-Generation Textiles: Structure, Properties, and Applications	PP
Zizhuo Nie , Aimer Co., Ltd, China	
Title: Effect of Acrylic Acid and (Hydroxyethyl)Methacrylate Monomers on the Properties of G/Cnt Hybrid Composites	PP
Marija Prosheva , Ss. Cyril and Methodius University in Skopje, North Macedonia	
Title: Enhancing Smart Building Infrastructure with Graphene Reinforced EMI Shielding Composites	PP
Iva Dimitrievska , Ss. Cyril and Methodius University in Skopje, North Macedonia	
Title: Organic Electrolytes as a Pathway to Sustainable Redox Flow Batteries	PP
Veronika Niscakova , Pavol Jozef Šafárik University in Kosice, Slovakia	
Title: Understanding the Impact of Polysulfide–Additive Interactions on the Performance of Li–S Batteries	PP
Jakub Lescinsky , Pavol Jozef Šafárik University in Košice, Slovakia	
Title: The Changing Landscape of Concrete Bridge Health Monitoring: A Decade of Developments and Trends	PP
Shilpa Sunil , Manipal Institute of Technology, India	
Title: Exploring Mesophase Behavior in Pyridine based H-bonded Liquid Crystals	PP
Poornima Bhagavath , Manipal Institute of Technology, India	
Title: Effect of Poly(acrylic acid) Ionization on Surface Interaction of Silicone Hydrogel Contact Lenses	PP
Moon Hyun Chung , Interojo INC, South Korea	
Delegate/Listener	
Jacob Becker-Christensen , Linking Industry to Neutrons and X-rays, Denmark	D/L
A few presentation slots are still available	
We will update Day 3 program soon	