



Annual
FORUMS

Theme:

**“Unlocking the Future Possibilities of
Materials Science Engineering ,
Metallurgy, and Mining”**

Global Conference on

MATERIALS SCIENCE, METALLURGY, AND MINING

Dates:

July 23 & 24, 2026 (In-Person)

July 25, 2026 (Virtual Via Zoom Platform)

Venue:

Hotel NH Danube City, Vienna, Austria



TENTATIVE AGENDA

DAY - 1-3

July 23, 24 & 25, 2026

Hotel NH Danube City, Vienna, Austria

Tentative Agenda

Introduction & Opening Ceremony

LAST UPDATED ON 8th APRIL 2026

Keynote Presentation

Prof. Zhongfan Liu	<i>Peking University, China</i>	Super Graphene-Skinned Materials: Concept, Synthesis and Applications
Prof. Lev S. Rapoport	<i>Holon Institute of Technology, Israel</i>	Structural stability and instability during friction of FCC metals
Prof. Ignacio Alejandro Figueroa	<i>National Autonomous University of Mexico, Mexico</i>	Self-foaming metals: from quasicrystals to highly porous alloys
Prof. Lidia Castoldi	<i>Politecnico di Milano, Italy</i>	Valorization of Waste Silica for Sustainable DFMs in CO₂ methanation
Prof. Norbert Hampp	<i>University of Marburg, Germany</i>	Periodic Nanostructures Self-assembled by Periodic Laser Excitation
Prof. V.G. Plekhanov	<i>Fonoriton Science Lab, Estonia</i>	Isotope - Based Materials Science
Prof. Tohru Higuch	<i>Tokyo University of Science, Japan</i>	All-Solid-State Electric Double Layer Transistor with High Switching Response Speed using High Ionic Conductor Electrolyte
Prof. Junhui Hu	<i>Nanjing University of Aeronautics & Astronautics, China</i>	Ultrasonic Enhancement Effect on Gas-Solid Reactions and Its Applications in Gas Sensors and Metal-Air Batteries
Prof. Wei Chen	<i>Xian Jiaotong – Liverpool University, China</i>	The Invention of Copper Cysteamine Illumination Many Areas
Prof. Raymond Compton Jagessar	<i>University of Guyana</i>	Nanotechnology and Nanomaterials
Prof. Aleksandra Drozd-Rzoska	<i>IHPP PAS, Poland</i>	Characterization of natural honeys from Poland via advanced implementations of dielectric methods
Prof. Yingying ZHANG	<i>Tsinghua University, Beijing, China</i>	A New Silk Road towards Smart Wearables
Prof. Yurii Uhryn	<i>Ivan Franko Drohobych State Pedagogical University, Ukraine</i>	Proof of the main role of minority current carriers in the occurrence of superconductivity
Dr. Xiong Wang	<i>Lanzhou Petrochemical Research Center, China</i>	Preparation of Ultra-clean, High-strength and Creep-resistant Ultra-high-molecular-weight Polyethylene Fibers via POP-based UHMWPE Catalyst
Prof. Cong Wang	<i>Beihang University, Beijing, China</i>	Regulation of Magnetic Structures and the Physical Properties in Antiperovskite Antiferromagnetic Mn₃XN(C) Compounds
Prof. Ge Wang	<i>University of Science and Technology Beijing, China</i>	LLM-Driven Discovery of Metal-Organic Frameworks: From Generative Design to Laboratory Realization
Prof. Raymond Compton Jagessar	<i>University of Guyana</i>	Nanocarriers Advancing Nanotechnology

Oral Presentation

Prof. Yoshikazu KOBAYASHI	<i>Nihon University, Japan</i>	Acoustic Emission Tomography with consideration of attenuated and diffracted waves
Mrs. Mikika Furukawa	<i>Nihon University, Japan</i>	Validation of the grouping elastic waves method on damaged concrete fence
Prof. Waltraud Kriven	<i>University of Illinois at Urbana-Champaign USA</i>	Geopolymers and their Potential Applications
Dr. Luzhao Sun	<i>Beijing Graphene Institute, China</i>	Layer and Stacking Controlled Epitaxial Growth of Graphene Films
Dr. Yue Qi	<i>Beijing Graphene Institute, China</i>	Preparation and application of graphene-skinned fiber materials
Prof. Zhongsheng Guo	<i>Northwestern A & F University, yangling, China</i>	Sustainable Use of Soil Water Resources and agriculture high-quality development
Prof. Paul Oconnor	<i>YERRAWA BV, The Netherlands</i>	A catalytic technique for advanced 2D carbon materials from Biomass
Dr. Abbas Alshehabi	<i>Bahrain Polytechnic, Kingdom of Bahrain</i>	Mechanical Stress as an Electronic Perturbation in X-Ray Emission Spectroscopy: Conceptual Implications for Line-Shape Interpretation and Non-Contact Stress Assessment
Dr. Peter van den Engel	<i>Delft University of Technology, Netherlands</i>	Air and water to PCM batteries in buildings
Prof. HAKAN ATEŞ	<i>Gazi University, Turkey</i>	Computational Materials Science and Engineering for Thin Films
Dr. Paul OLARU	<i>AGIR Univ POLITEHNICA- Bucharest, Romania</i>	New parameters discovery using AI-artificial intelligence, high performance computing-robotics aircraft-titanium bi-phasic extrusion
Dr. Jingyu Sun	<i>Soochow University, China</i>	Versatility of Direct-CVD Graphene in Emerging Energy Devices
Dr. Jincan Zhang	<i>Soochow University, China</i>	Chemical vapor deposition synthesis of high-quality graphene films and its applications in transmission electron microscope imaging
Prof. Yanfeng Zhang	<i>Peking University, China</i>	Wafer-Scale Syntheses and Growth Mechanism Exploration of Semiconducting Transitional Metal Dichalcogenides
Prof. WU Xiaodong	<i>Suzhou Institute of Nano-Tech and Nano-Bionics, CAS, China</i>	Preparation and Application of Polymer Solid-State Electrolyte
Prof. Valeri Barsegov	<i>University of Massachusetts, United States</i>	Dynamic Force Spectroscopy in silico: exploring strength, deformability, toughness and mechanical fatigue of biological nanoparticles
Prof. Hicham Fakhry	<i>Ibn Tofail University, Morocco</i>	Exploring the adsorption mechanism of two new organic agents on Carbon steel: Electrochemical, surface investigations and computational insights
Dr. Edgardo Roque Benavidez	<i>National Technological University, Argentina</i>	Iron-Based Metal Matrix Composites for Applications in Agro-Industry Tools
Mr. Yongkang Han	<i>Northwestern Polytechnical University, China</i>	Directional Moisture-Wicking Janus Graphene Fiber Nonwovens for Synergistic Evaporative Cooling and Ultrafast Joule Heating

Dr. Jin Lin	<i>Northwestern Polytechnical University, China</i>	Efficient electroreduction of carbonyl compounds to alcohols over Fe/Fe₂O₃ interfaces
Mr. He Jiaxin	<i>Northwestern Polytechnical University, China</i>	Elucidating crystal-facet behaviors of Cerium dioxide for Pd/CeO_{2-x} catalyst on selective hydrogenation of alkynols
Mr. Rui Bai	<i>Northwestern Polytechnical University, China</i>	Strong Electron-Withdrawing Effect Activates Metal-Free Carboxylate Anion into Efficient Active Sites for Electrocatalytic Acetylene Semihydrogenation
Prof. Osman Adiguzel	<i>Firat University, Department of Physics, Elazig, Turkey</i>	Memory Characteristics and The Role of Twinning Detwinning Reactions in Crystallographic Transformations in Shape Memory Alloys
Mr. Jiahe Chen	<i>Northwestern Polytechnical University, China</i>	Structural Design and Performance Study of MXene-based Flexible SERS Substrates
Prof. Chergui Yahia	<i>Mhamd Bougara University, Algeria</i>	Comparative Study of ZnO Wurtzite, Rocksalt, and Zinc Blende Structures Under Isobaric and Isothermal Ensembles; a Molecular Dynamics Computation

*****Slots Available*****

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Poster Presentation

Prof. Elena brandaleze	<i>National Technological University, Argentina</i>	Integration of Computational tools and experimental tests to predict fluid phenomena impact and mould flux behaviour in the steel continuous casting
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*****End of the Conference*****





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