



# 8th International Virtual Conference on Materials Science and Engineering

May 30-31, 2026 | Online Conference

## Scientific Program

### Materials Science Meeting 2026

Virtual Meeting | Time Zone: GMT+1 (London, UK)

May 30-31, 2026

Opening ceremony

TBA\* Time to be allotted soon

#### Keynote Session

TBA

Title: Human Data for Fighting Infection, Virous, Cancer and Other Disease

Prof. Tom Webster, Northeastern University, Boston, United States

TBA

Title: Integrating AlphaFold 3 and Molecular Dynamics to Elucidate the Aggregation Kinetics of the Arctic AmyloidMutant: A Comparative Study of GROMACS and AMBER Frameworks

Kuo-Yuan Hwa , National Taipei University of Technology, Taipei, Taiwan (ROC)

TBA

Title: Improving the Fatigue Design of Mechanical Systems such as Refrigerator

Seongwoo Woo, Ethiopian Technical University

TBA

Title: Trigonal Distortion Driven Ground States in Vanadium Trihalides VX<sub>3</sub> (X = Br and I)

Chamini Shammi Pathiraja, University of Houston, TX, USA

TBA

Title: The reactive extrusion cationization of starches as a novel physicochemical surface modification method

Beatriz Marcela Millán Malo, Universidad Nacional Autónoma de México, Mexico

**Plenary Speaker Session**

<b>Session Details</b>	<b>Materials Science and Engineering *** Nanomaterials and Nanotechnology *** Electrical, Optical, and Magnetic Materials *** Mining, Metallurgy and Materials Science *** Electrochemistry and X-ray Diffraction</b>
<b>Session Chairperson</b>	<b>Session Chairperson To Be Confirmed</b>
	<b>Session Chairperson To Be Confirmed</b>
<b>TBA</b>	<b>Title: Molecular Dynamics Insights into Interfacial Adsorption of Trifluorinated Drugs on Electrochemically Exfoliated TMD Heterostructures</b>
	<b>I. Agnes Felicia Roy, National Taipei University of Technology, Taiwan (ROC)</b>
<b>TBA</b>	<b>Title: Supply chain complexity and resilience management strategies in megaprojects</b>
	<b>Chet Narayan Gurung, Western Sydney University, Australia</b>
<b>TBA</b>	<b>Title: Factors Affecting the Growth Behavior of PEO Lamellae in Ultrathin Films</b>
	<b>Yuanyuan Zhang, Zhengzhou University, China</b>
<b>TBA</b>	<b>Title: Development of statistical computational methods for the hydrogen parameters in high entropy alloys</b>
	<b>S.V. Bobyr, Iron and Steel Institute of NASU, Ukraine</b>
<b>TBA</b>	<b>Title: Intelligent Assistance: Performance and Industrial Significance of Aluminium 6061 T6 Alloy</b>
	<b>Tejas Chandrakant Banduke, Rajarambapu Institute of Technology (RIT), India</b>
<b>TBA</b>	<b>Title: Computational Modeling and Machine Learning in Modern Metallurgy: A Review of Multiscale Simulation, Alloy Design, and Intelligent Process Optimization</b>
	<b>Mintesenot Admasu, Inorganic chemistry ITMO University</b>
<b>TBA</b>	<b>Title: Sustainable and Eco-Friendly Material Development for Functional Food Packaging: A Case study of PBS/PBAT Nanocomposites</b>
	<b>Adeebpasha A, JSS Science and Technology University, India</b>

TBA	<b>Title: Zn and Cu Doped MnFe<sub>2</sub>O<sub>4</sub> Nano Fertilizer: Synthesis, Characterization and Their Role in Enhancing Fenugreek (Trigonella foenum-graecum) Growth</b>
	<b>Dipali Rajaram Ingavale, Arjunnagar- Shivaji University, India</b>
TBA	<b>Title: Surface Modification of Coarse Wool Fabric Using Malic Acid via RSM Approach for Enhanced Physico-Mechanical Properties of Wool-Natural Rubber Composites</b>
	<b>Seiko Jose, ICAR – Central Sheep and Wool Research Institute, India</b>
TBA	<b>Title: Universal Protection, Control and Power, Energy Management Centre</b>
	<b>Salman Rezaei, Mehriz-Azad University, Iran</b>
TBA	<b>Title: Innovative Applications of Sugarcane Bagasse in the Global Sugarcane Industry</b>
	<b>Sylvere Ndikumana, Hassan II University of Casablanca, Morocco</b>
<b>Poster Speaker Session</b>	
TBA	<b>Title: Flame-Spray-Engineered ZrO<sub>2</sub>/ZrO<sub>2-x</sub> Quantum Dots with Interfacial Quantum States for High-Efficiency H<sub>2</sub> Evolution</b>
	<b>Loukas Belles, University of Ioannina, Greece</b>
TBA	<b>Title: Synergistic Ferroptosis-immunotherapy Nanoplatfoms: Multidimensional Engineering for Tumor Microenvironment Remodeling and Therapeutic Optimization</b>
	<b>Xiao Wei, Chengdu University, China</b>
TBA	<b>Title: Designing Impact-Tolerant Hybrid Polymeric Woven Composites: Architecture-Hybridisation-Damage Interplay</b>
	<b>Chala Amsalu Tefera, Silesian University of Technology, Poland</b>
<b>End of the Session</b>	
<b>Closing Ceremony</b>	
<b>Imperial Conferences</b> <b>71-75 Shelton Street, Covent Garden, London, WC2H 9JQ, United Kingdom</b> <b>Phone Number: +44-2038851456    Email: healthinfo@imperialconferences.com</b>	