

Materials Science Conference 2026



SCIENTIFIC PROGRAM

9th International Conference on Materials Science & Engineering

July 10-11, 2026 | London, UK & Virtual (Hybrid)

Delight Scientific Conferences

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SCIENTIFIC PROGRAM

Material Science Conference 2026, July 10-11, 2026 at London, UK & Virtual
(Hybrid)

July 10-11, 2026

Opening Ceremony

TBA* Time to be allotted soon

Keynote Speaker Session

TBA

Dr. Jin Wook Kim, Dept. of Optometry and Vision Science, Daegu Catholic University, Korea

Presentation Title: Nanocellulose and Nanochitosan as Multifunctional Additives for Silicone Hydrogel Lenses

TBA

Dr. A-Young Sung, Dept. of Optometry and Vision Science, Daegu Catholic University, Korea

Presentation Title: Nanocellulose and Nanochitosan as Multifunctional Additives for Silicone Hydrogel Lenses

TBA

Dr. Yi yun jang, Dept. of Optometry and Vision Science, Daegu Catholic University, Korea

Presentation Title: Nanocellulose and Nanochitosan as Multifunctional Additives for Silicone Hydrogel Lenses

TBA

Dr. Guliyeva Shahana, Institute of Polymer Materials of the Ministry of Science and Education of the Republic of Azerbaijan, Azerbaijan

Presentation Title: Synthesis and Study of the Properties of a Copolymer Based on 4,4'-Oxydiphenylbismaleimide and Allyl Salicylate

TBA

Dr. Giora J Kidron, Hebrew University of Jerusalem, Israel

Presentation Title: Non-rainfall water, its distribution, effects and its link to natural substrates and building materials

TBA

Dr. Rogério Navarro Correia de Siqueira, Chemical and Materials Engineering Department, PUC-Rio, Rio de Janeiro, Brazil

Presentation Title: Biobased materials for a greener future

TBA

Dr. Lidia Elizabeth Verduzco Grajeda, Direccion Academica de Negocios y Agricultura, Universidad Tecnologica del Norte de Aguascalientes, Mexico

Presentation Title: Estimation of Water Balance and Nitrate Load in the Upper Basin of Aguascalientes, Mexico, Using SWAT

TBA

Dr. Laura S. Acosta-Torres, Universidad Nacional Autónoma de México (UNAM), Escuela Nacional de Estudios Superiores, Unidad León, Guanajuato, México.

Presentation Title: From green synthesis to in vivo evaluation of a translational PMMA/AgNP antifungal dental biomaterial

TBA

Dr. Gwendolyn Davon Boyd-Shields, Mississippi State University, USA

Presentation Title: NANOSTRUCTURED CHITOSAN DELIVERY SYSTEMS FOR ESSENTIAL OILS: A BIO-BASED STRATEGY TO FUNGAL DEGRADATION IN WOOD

TBA

Dr. Ping Zhao, Department of Mechanical and Industrial Engineering, University of Minnesota, USA

Presentation Title: Experimental and Machine Learning Assisted Design of Piezoelectric Energy Harvesters

TBA

Dr. LIKIBI JOSS KLAUSNER, School of Mechanical Engineering and Automation, Dalian Polytechnic University, China

Presentation Title: Enhancing rolling contact fatigue resistance of bearing steel through robust design under misalignment uncertainty

TBA

Dr. Omar Abdulsahib Saleh, Department of Physics, King Fahd University of Petroleum and Minerals, Saudi Arabia.

Presentation Title: Surface Passivation of Titanium Nitride Thin Films Using Self-Assembled Monolayers to Inhibit Oxide Formation

TBA

Dr. Mohd Basyaruddin Abdul Rahman, Universiti Putra Malaysia, Malaysia.

Presentation Title: Reticular Nanostructures for Targeted Delivery of Active Molecules in Biomedical and Environmental Treatments

TBA

Dr. Amish Roopesh, SRM Institute of Science and Technology (SRMIST), India

Presentation Title: Thermal Analysis and Cooling System Design of a Linear Induction Motor for Hyperloop Applications

TBA

Mr. Asefa Chekol Mekonen, Institute of Physical Metallurgy, Metal Forming and Nanotechnology, University of Miskolc, Hungary

Presentation Title: Thermophysical Properties and Heat Transfer Performance of g-C₃N₄ Nanofluids in Distilled Water-Ethylene Glycol Mixtures

TBA

Mr. Julien Roemer, Haute École d'Ingénierie et de Gestion du Canton de Vaud, Switzerland

Presentation Title: Energy Consumption, Decarbonization Pathways, and Renewable Energy Integration in the Mining Industry: A System-Level Review

TBA

Dr. Jia-Shiang Chen, Department of Materials Science and NanoEngineering, Rice University, USA

Presentation Title: Emerging Nanomaterials Based on Low-Dimensional Nanostructures

TBA

Dr. Carlos Medina-Ramos, National University of Engineering, PERU

Presentation Title: Advanced Control and Circular Economy in Phenolic Resole Synthesis: Integrating Volterra-Genocchi Modeling with High-Efficiency Vent Adsorption

TBA

Dr. Laura Ștefania Păun, Petroleum-Gas University of Ploiești, Romania.

Presentation Title: Nanocrystalline Metal Oxides as Sustainable Shale Inhibitors for Advanced Water-Based Drilling Fluids

TBA

Dr. Chaker Yassine, Materials Chemistry and Applications Laboratory, Tissemsilt University, Algeria

Presentation Title: 1,2-(Propanediol)-3-Methylimidazolium Chloride, Hydrogen Sulfate and dihydrogen phosphate Ionic Liquid: DFT, Structural and Dielectric Characterization

TBA

Dr. Stuart Harper, The University of Warwick, Coventry, UK

Presentation Title: A Complex Problem-solving Approach to Design a Synthetic Self-healing Materials System

TBA

Dr. Ualikhan Sadyk, SDU University, Kazakhstan

Presentation Title: Physicochemical and Ecotoxicological Characterization of Therapeutic Sulfide-Silt Peloids from Lake Maly Akkol

TBA

Dr. Usha Nandhini Gunasekaran, SRM Institute of Science and Technology, India

Presentation Title: Investigation of Metal-Manipulated Fluorescence in sensing

TBA

Dr. Mohneesh Kalwani, Department of Biotechnology, Dr. Ghanshyam Singh P.G. College, India

Presentation Title: Simultaneous Nutrient Uptake and Metabolite Production by *Chlorella sorokiniana* MSP1 Cultivated in Industrial Wastewater Using AI Tools.

TBA

Dr. Pratik Kumar Jagtap, The ICFAI University Raipur Chhattisgarh, India

Presentation Title: A simple, rapid, and sensitive analytical method was developed for the determination of Sertraline

TBA

Dr. Mehar Un Nisa, Government College University Faisalabad, Pakistan

Presentation Title: Multifunctional hydrogel-based bilayer wound dressings composed of an immediate-release layer of ofloxacin and a sustained-release layer of bergamot oil

TBA

Dr. Khadija Maqbool, Department of Mathematics & Statistics, International Islamic University, Pakistan

Presentation Title: Mathematical investigation of Inertial Forces on Coating Process of Viscoelastic Fluid

TBA

Dr. Hamed Namdar-Asl, Faculty of Material Engineering, Sahand University of Technology, Iran
Presentation Title: Improving the performance of reduced TiO₂ nanotubes in 90Ar -10H₂ atmosphere for electrocatalytic hydrogen production by decorating with copper species

TBA

Dr. Rui Xu, Zhengzhou University, China
Presentation Title: Crystallization Morphology of PEO-b-P2VP in the Ultrathin Film

TBA

Dr. Orkhan Gulahmadov, Nano Research Laboratory, Baku State University, Azerbaijan.
Presentation Title:Optimizing Triboelectric Nanogenerator Performance with Magnetic Field-Aligned Nylon/Fe₃O₄ Nanocomposites

TBA

Dr. Jawad, Institut Teknologi Bandung, West Jawa, Indondeian.
Presentation Title:Fabrication of 3D Bio-silica/PCL Scaffold for Enhancing Biocompatibility.

TBA

Dr. Huang Xiaowei, Jiangsu University, China
Presentation Title: Intelligent packaging based on bio-based materials for fruit and vegetable preservation

TBA

Dr. Yu-Deh Chao, National Taiwan University of Science and Technology, Taiwan
Presentation Title: Development of 17-4 PH Stainless Steel for Low-Power Selective Laser Sintering

TBA

Dr. Kassahun Lewetegn, Arba Minch University, Ethiopia
Presentation Title: Synthesis of Zn_{0.87}(Fe, Al)_{0.065o} - MO (MO = NiO, Fe₂O₃, CuO, and CoO) nanocomposites: structural, vibrational, optical and antibacterial studies

TBA

Dr. Silvana Alfei, University of Genoa, Italy
Presentation Title: Synthesis and Characterization of Amine Containing Copolymers: New Green Crosslinking Agents to Reinforce Gelatine for Tissue Engineering Application

TBA

Dr. Laura Chianese, University of Salerno, Italy
Presentation Title: Gadolinium-Doped Bismuth Ferrite for the Photocatalytic Oxidation of Arsenite to Arsenate under Visible Light

TBA

Dr. David Servando Cantú-Fernández, University of Monterrey, Mexico
Presentation Title: Mechanical Properties of a Structural Component Processed in High-Pressure Die Casting (HPDC) with a Non-Heat-Treated Aluminum Alloy

Two Keynote Presentation Slots are Available Now

Plenary Speaker Session

Scientific Sessions

- Session 01:** Materials Science and Engineering
- Session 02:** Nanomaterials and Nanotechnology
- Session 03:** Materials for Energy and Environmental Sustainability
- Session 04:** Electrical, Optical, and Magnetic Materials
- Session 05:** Ceramics and Magnetic Materials
- Session 06:** Metallurgy, Corrosion and Mining
- Session 07:** Emerging Smart Materials
- Session 08:** Advances in Instrumentation Technology

Sessions Chairperson

Will be Updated soon

TBA

Dr. Soukaina Boujdi, Agronomic and Veterinary Institute Hassan II, Rabat Institute, Morocco
Presentation Title: A Benchmarking Study of Irrigation Advisory Platforms

TBA

Dr. Salvatore Antonio Orlando, University of Palermo, Italy
Presentation Title: Electrochemical detection of H₂O₂ by means of gold foam-based electrode

TBA

Dr. Diana Enab, An-Najah National University, Palestine
Presentation Title: Sustainable Urban Design Model for Residential Neighborhoods Utilizing Sustainability Assessment-Based Approach

TBA

Dr. Md Hafijur Rahman, Pennsylvania State University, USA
Presentation Title: Defect And Microstructure Control Of Materials Using The Electron Wind Force

TBA

Dr. Xuejian Han, Shanghai-Tech University of China, China
Presentation Title: Investigation into the Uniformization of Proton Beams for FLASH Therapy

TBA

Dr. Jiangshan Zhu, Xi'an Jiaotong Liverpool University, China
Presentation Title: Pricing Chinese Convertible Bonds with Learning-Based Monte Carlo Simulation Model

TBA

Dr. Emmanuel Kabundu, Nelson Mandela University, South Africa
Presentation Title: Relative Comparison of Benefits of Floor Slab Insulation Methods, Using Polyiso and Extruded Polystyrene Materials in South Africa, Subject to the New National Building Energy Efficiency Standards

Five Oral Presentation Slots are Available Now

Poster Presentation Session

6IVCME-01

Dr. Panagiotis Loukakos, Foundation for Research and Technology - Hellas, Heraklion, Greece
Presentation Title: Transient absorption spectroscopy of the Fucoxanthin-Chlorophyll a/c (FCPs) Proteins of the Marine Diatoms *Fragilariopsis* sp and *P. tricornutum*

6IVCME-02

Dr. Yujun Sheng, School of materials science engineering, Yeungnam University, Gyeongsan 38541, the Republic of Korea
Presentation Title: Physico-Chemical Cross-Linked Dual-Network Hydrogels on Porous Surfaces for Enhanced Electrochemical Performance and Self-Healing Behavior

6IVCME-03

Dr. Farah Hazmatulhaq, Yeungnam University, Republic of Korea
Presentation Title: Layer-by-Layer Deposition of Organic Molecules on Defective Inorganic Surface to Enhance Corrosion Resistance and Bioactivity of Magnesium Alloy.

6IVCME-04

Dr. : Hanzhang Guo, China University of Geosciences, China
Presentation Title: A Novel Simplified Physical Model Testing Method for Ground Settlement Induced by Shield Tunnel Excavation

6IVCME-05

Dr. Haneen Mahmoud Salem ALTawaiha, Al-Balqa' Applied University, Jordan
Presentation Title: The Effect of Nano-Silica on the Mechanical and Durability Properties of Cementitious Composites

6IVCME-06

Dr. Mesfin Abeje, Wuhan University of Technology, China
Presentation Title: The Influence of Safety Culture and Climate on Safety Performance: Mediating Role of Employee Engagement in Manufacturing Enterprises, Ethiopia's

Five Poster Presentation Slots are Available Now

End of Session

Awards & Closing Ceremony

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