

Materials Science Conference 2026



SCIENTIFIC PROGRAM

9th International Conference on Materials Science
& Engineering

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

Delight Scientific Conferences

**Office 1353 182-184 High Street North,
East Ham, London E6 2JA, UK**

Phone Number: +44-7451246744

Email: contact@delightscientific.com



<https://materials.delightscientific.com/>

SCIENTIFIC PROGRAM

Material Science Conference 2026, July 10-11, 2026

Time Zone: GMT+1, London, UK

July 10, 2026

10:30 AM

Opening Ceremony

10:30-10:35 AM

Keynote Speaker Session

10:35-11:00

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

11:00-11:25

Dr. Brilliant Dwinata, Universitas Jenderal Achmad Yani, Indonesia

Presentation Title: Experimental and Constitutive Modeling Challenges in Strain Rate Sensitive Soft Composite Materials

11:25-11:50

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

11:50-12:15

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

12:15-12:40

Dr. Lidia Elizabeth Verduzco Grajeda, Universidad Tecnológica del Norte de Aguascalientes, Mexico

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

12:40-13:05

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

13:05-13:30

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

13:30-13:55

Dr. Ping Zhao, University of Minnesota, USA

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

13:55-14:20

Dr. Bianca Costa Rodrigues, Federal University of São Paulo (UNIFESP), Brazil.

Presentation Title: Unraveling how APS processing parameters influence the creep behavior of Thermal Barrier Coatings

14:20-14:45

Mr. Aravindh Sadhanandham, Veeco Instruments Inc., San Jose, California, USA.

Presentation Title: Surface Engineering Considerations for Outgassing and Contamination Control in Non-Vacuum Semiconductor Environments

Plenary Speaker Session-1

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

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

Dr. Vivien Patricia Garbin, Universidade de Marília (UNIMAR), Brazil.

14:45-15:10

Dr. Marlene Mijangos Romero, Universidad Juárez Autónoma de Tabasco (UJAT), Mexico.

Presentation Title: Counting Independent Sets in Graphene-like Graphs with Asymmetries Through Hamiltonian Traversals and Minimal Induced Pathwidth

15:10-15:35

Dr. Cristina López Ramírez, Universidad Juárez Autónoma de Tabasco, México

Presentation Title: Counting Independent Sets in Graphene-like Graphs with Asymmetries Through Hamiltonian Traversals and Minimal Induced Pathwidth

15:35-16:00

Dr. Agnes Funmilayo Afolabi, The Federal University of Technology, Nigeria

Presentation Title: Optical Characterisation of Electrodeposited Copper Oxide-Cellulose Composite

16:00-16:25

Dr. Filipa Isabel Afonso Ribeiro, Institute of Science and Innovation in Mechanical and Industrial Engineering, Campus da FEUP, Portugal

Presentation Title: Electrical and Thermal Characterisation of Inkjet-Printed Conductive Materials for Structure-Integrated CubeSat Antenna Applications

Poster Presentation Session (16:25-17:40)

9IVCME-01

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

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

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

9IVCME-02

Dr. Dimitris Ziouzos, University of Western Macedonia, Greece

Presentation Title: Energy Consumption Patterns and Material Selection Criteria for Renewable Energy Integration in Agricultural Enterprises: A Techno-Economic Feasibility Study from Western Macedonia Mink Farming Systems.

9IVCME-03

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

9IVCME-04

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

9IVCME-05

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

Plenary Speaker Session-2

17:40-18:05

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

Presentation Title: Investigation of Metal-Manipulated Fluorescence in sensing

17:40-18:05

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

18:05-18:30

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

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

18:30-18:55

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

18:55-19:20

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

19:20-19:45

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

Presentation Title: Emerging Nanomaterials Based on Low-Dimensional Nanostructures

19:45-20:10

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

20:10-20:35

Dr. Vivien Patricia Garbin, Regenerative Medicine Laboratory "Carlos Augusto Camargo de Souza Baptista", Universidade de Marília (UNIMAR), Brazil.

Presentation Title: Bacterial nanocellulose hydrogels as a next-generation bio-material for cardiac and vascular tissue engineering: structural, biological, and translational perspectives

End of Session

Awards & Closing Ceremony

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Email: info@delightscientific.com
Phone | WhatsApp Number: +44-7451246744