



# 9th Global Virtual Summit on Materials Science & Engineering March 19-20, 2026

## Scientific Program

### Materials Science 2026

Online Meeting | Time Zone: GMT+0 (London, UK)

March 19, 2026 | 10:00 AM

10:00-10:05

Opening Ceremony

### Keynote Session

10:05-10:30

Title: Isothermal Crystallization Behavior of P3HT in Ultrathin Films.

Shengrui Liu, Zhengzhou University, China

10:30-10:55

Title: Characterization of Bio-Epoxy Composites with Mussel Shell Powder and Posidonia Fibers

Mattia Latini, School of Science and Technology, Università di Camerino, Camerino, Italy

10:55-11:20

Title: Structural and Compositional Routes to Hydrophobic Starch Films for Sustainable Packaging.

Elsa Marisa Ferreira Vieira, Instituto Superior de Engenharia do Porto, Instituto Politécnico do, Portugal

11:20-11:45

Title: Atmospheric Impact on Free Space Optics in Tanzania: A Comparative Performance Study of Dares Salaam and Dodoma.

Florence Rashidi Upendo, The University of Dodoma, Tanzania

11:45-12:10

Title: Research into the flammability of engineered wood composite

Saulius Vaitkus, Vilnius Gediminas Technical University, Lithuania

12:10-12:35

Title: From organic wastes to large-sized engineered wood

Sigitas Vėjelis, Vilnius Gediminas Technical University, Lithuania

12:35-13:00	Title:Detection and Analysis of Porosity in AlSi10Mg Manufactured by LPBF using Digital Image Processing
	Edwin Giovanni Castro Rodas, Universidad de Ibagué , Colombia
<b>Plenary Speaker Session</b>	
Sessions	<b>Materials Science and Engineering     Nanomaterials and Nanotechnology      Advanced Energy Materials      Applications in Material Science Engineering</b>
Session Chairperson	Hasan Y Asiri, King Abdulaziz University, Saudi Arabia
13:00-13:25	Title:Harnessing an Invasive Seaweed: Mechanical Reinforcement of Simonskolleite Coatings Using Brown Algae as a Sustainable Filler
	Edith Luévano Hipólito, SECIHTI – Universidad Autónoma de Nuevo León / Laboratorio de Ecomateriales y Energía,México
13:25-13:50	Title: Recent Advances in Cement-Based Adhesives via Nanoparticle Integration: A Mini Review.
	Mohammad Al-Zu'bi, Aqaba University of Technology, Jordan
13:50-14:15	Title: Fracture Load of Polyaryletherketone for 4-Unit Posterior Fixed Dental Prostheses: An In Vitro Study
	Hasan Y Asiri, King Abdulaziz University, Saudi Arabia
14:15-14:40	Title: Effect of GaAs capping layer on GaSb quantum dots for intermediate-band solar cells design.
	Rim Neffati, Al-Baha University, Saudi Arabia
14:40-15:05	Title: From rice husk waste to carbon electrodes for sustainable energy storage applications.
	Rubia Young Sun Zampiva, Sapienza University of Rome, Italy
15:05-15:30	Title: Effect of Operator Experience on the Predictability of Rotational and Vertical Tooth Movements in Clear Aligner Therapy: A Retrospective Observational Study
	Ambra Sedran, Dental School of the University of Torino, Italy
15:30-15:55	Title: Biocompatible Hydrogels from Polysaccharides and Their Derivatives for Advanced Local Treatments
	Gaia Zucca, University of Pavia, Italy
15:55-16:20	Title: Advanced Bismuth-Derived Catalysts for Microplastic Degradation in Environmental Waters.

	Agata Egea-Corbacho, University of Cadiz, Spain
16:20-16:45	Title: Evaluating the Impact of Fog on Free Space Optical Communication Links in Mbeya and Morogoro, Tanzania”.
	Catherine Protas Tarimo, The Nelson Mandela African Institution of Science and Technology, Tanzania
16:45-17:10	Title: Hydride Perovskite Materials for Advanced Hydrogen Storage: A First-Principles Approach.
	Maryam AYAD, Mohammed V University in Rabat, Morocco
17:10-17:35	Title: Innovative Applications of Sugarcane Bagasse in the Global Sugarcane Industry.
	Sylvere Ndikumana , Hassan II University of Casablanca, Morocco
17:35-18:00	Title: Logistics Performance Assessment in the Ceramic Industry: Applying Pareto Diagram and FMEA to Improve Operational Processes.
	Carla Monique dos Santos Cavalcanti, Centro Universitário Facol, Brazil
18:00-18:25	Title: Evolution of Electrical Energy in Brazil
	Frederico Fabio Mauad, University of São Paulo, Brazil
18:25-18:50	Title:Harnessing an Invasive Seaweed: Mechanical Reinforcement of Simonkolleite Coatings Using Brown Algae as a Sustainable Filler
	Edith Luévano Hipólito, SECIHTI – Universidad Autónoma de Nuevo León / Laboratorio de Ecomateriales y Energía,México
18:50-19:15	Title: Synthesis of Model Functional Polyurethanes and their Interactions with Metal Ions: Implications Regarding Pad-Metal Ion Interactions in CMP
	Harini Bhuvaneshwari Gunasekarana, Clarkson University, United States
19:15-19:40	Title: Critical Evaluation and Optimization of Aggregate Proportions, Air-Entraining Admixture, and Latex Dosage in Polymer-Modified Belitic Calcium Sulfoaluminate (BCSA) Concrete for Bridge Deck Overlays
	Daniel D. Akerele, University of Washington, USA
End Of Session	
Closing Ceremoney	
<p>Researcher Meetings</p> <p>20-22 Wenlock Road, London, N1 7GU, United Kingdom</p> <p>E-Mail: <a href="mailto:materialsinfo@researchermeetings.com">materialsinfo@researchermeetings.com</a>   <a href="mailto:andreamsmith0590@gmail.com">andreamsmith0590@gmail.com</a></p>	

