

# Day 2 — July 24, 2026 (In-Person)

3rd Global Summit on Materials Science and Engineering

 **Venue: Rainer's Hotel Vienna**

**TIME**

**PRESENTATION TITLE**

## Keynote Talks

**09:00 - 09:30**



**Chamaeleon Nanocarriers for RNA Delivery and Genome Editing**

*Prof. Ernst Wagner, Ludwig-Maximilians-Universität, Germany*

**09:30 - 10:00**



**Environmental Photonic Energy Manipulation with Fire Safety Coatings**

*Prof. Bin Fei, Hong Kong Polytechnic University, Hong Kong*

**10:00 - 10:30**

**Networking Break**

**10:30 - 13:00**

**Technical Session-III**

**10:30 - 10:55**



**Biomass as Both Feedstock and Functional Material for Hydrogen Production: A Dual Role in Sustainable Energy**

*Prof. Nezihe Ayas, Eskisehir Technical University, Turkey*

**10:55 - 11:20**



**Analysis of a Supersonic Nozzle System Effect in Gas-Cooled Lances on Slag Splashing Parameters**

*Dr. Pedro Silva, Lumar Metals, Austria*

**11:20 - 11:45**



**Seeing the Unseen: Decoding Atomic Adsorption, Nucleation, and Electronic Structure with Functionalized Scanning Probe Microscopy**

*Prof. Nan Yao, Princeton University, USA*

**11:45 - 12:10**



**Design Strategies for Doping Metal Oxide Nanomaterials for Enhanced Photocatalytic Performance**

*Dr. N. Funda Ak Azem, Dokuz Eylül Universit, Turkey*

**12:10 - 12:35**



**Composites based on reduced graphene oxide and polydiphenylamine doped with heteropolyanions for energystorage applications**

*Prof. Mihaela Baibarac, National Institute of Materials Physics, Romania*

**12:35 - 13:00**



**Targeted Radiopharmaceutical Therapy: Advances, Investment Dynamics, and Future Directions—Part 1**

*Mr. Catello Somma, Seroba, Italy*

**13:00 - 14:00**

**Lunch @ Restaurant**

**Technical Session-IV**

**14:00 - 14:25**



**Turning Agricultural Waste into Functional Membranes: Banana Peel-Based Materials for Hydrogen Production via Alkaline Water Electrolysis**

*Dr. Şehnaz Genc, Eskisehir Technical University, Turkey*

**14:25 - 14:50**



**To be announced**

*Dr. Thomas-Skurk, ZIEL - Institute for Food & Health, Germany*

**14:50 - 15:15**



**From Material Characterization to System-Level Performance Prediction**

*Felix Zak, Technical University of Munich, Germany*

**15:15-15:40**



**Plants as Living Sensors and Power Sources: Revealing Nature's Hidden Transducers**

*Prof. Carlo Trigona, University of Catania, Italy*

**15:40 - 16:00**

**Refreshment Break**

**16:00 - 16:25**



**Tissue clearing of whole organs: A challenge for chemistry**

*Prof. Hans-Ulrich Dodt, University of Vienna, Austria*

**16:00 - 16:25**



**Sorghum phenolics – extraction, profile, and role in inflammatory-related diseases**

*Prof. Vermont P. Dia, The University of Tennessee, USA*

**16:25 - 16:50**



**Effect of Peripheral Sulfonate and Hydroxy Groups on the Photophysical Behavior of Zinc Phthalocyanines**

*Prof. Tamara Potlog, Research body (other), Moldova*

*Conference concludes*