

International Conference on

# SMART MATERIALS, ENERGY MATERIALS & STRUCTURE

June 15-16, 2026 (In-Person)

**Venue:** Fairfield by Marriott Bali Legian, Bali

**Theme:** “Integrating Smart Materials  
& Energy Technologies for Tomorrow’s  
World”

# SCIENTIFIC AGENDA

## DAY 1

June 15, 2026

Fairfield by Marriott Bali Legian, Bali

09:00 - 09:30 Onsite Registration & Seating Arrangement  
09:30 - 10:00 Introduction & Open Ceremony

**Plenary Presentation**

10:00 - 10:30	<b>Prof. Md Mainul Islam</b> University of Southern Queensland, Australia	Sustainable Macadamia Nutshell-Based Particulate Composites: Unlocking Mechanical Performance and Structural Application Potential
10:30 - 11:00	<b>Prof. Koji Matsuoka</b> Saitama University, Japan	Synthetic Assembly of a Series of Glycopolymers for Evaluations of Lectin–Carbohydrate Interactions

**11:00- 11:20 Refreshment and coffee- 20 minutes**

**Keynote Presentation**

11:20 - 11:45	<b>Prof. Dr Thomas Walther Schmidt</b> Huafeng New Material Co, Ltd., China	Sustainable HAPTIC 3D Textile Coatings
11:45 - 12:10	<b>Prof. Leelakrishna Reddy</b> University of Johannesburg, South Africa	Optimized UV-B and UV-A Emission in BaB <sub>8</sub> O <sub>13</sub> Compounds: Tailoring Gd <sup>3+</sup> Doping With Pb <sup>2+</sup> , Ce <sup>3+</sup> , and Pr <sup>3+</sup> for Phototherapy Applications
12:10 - 12:35	<b>Prof. Elisabeth Djurado</b> University Grenoble Alpes, France	Innovative Nanostructured Oxygen Electrodes for Solid Oxide Cells
12:35 - 13:00	<b>Professor Ir. Ts. Dr. Hamidah Mohd Saman</b> Universiti Teknologi MARA (UiTM), Selangor, Malaysia	Fire Resistance of Composite Insulated Strengthened Carbon Fibre Reinforced Polymer (CFRP) Reinforced Concrete (RC) Column

**Memorable Group Photo & Selfie**

**13:00 - 13:45 Tempting Buffet Lunch & Photo Session**

**Oral Presentation**

13:45 - 14:05	<b>Dr. Eva Scholtzova</b> Slovak Academy of Sciences, Slovakia	Small Pollutants Adsorbed by Defective Graphene
14:05 - 14:25	<b>Prof. Katarzyna Falkowicz</b> Lublin University of Technology, Poland	Thermo-Mechanical Stability Analysis of Thin-Walled Composite Profiles With Selected Mechanical Couplings
14:25 - 14:45	<b>Prof. Tao Yi</b> Donghua University, China	Activatable Nano Systems for Diagnosis and Treatment
14:45 - 15:05	<b>Dr. Yongsheng Chen</b> Nankai University, China	High Performance OPV Molecules and Devices
15:05 - 15:25	<b>Prof. Kimihisa Yamamoto</b> Institute of Science Tokyo, Japan	Synthesis of Multi-metallic Nanoparticles Using a Dendrimer Reactor

**Slots available**

**15:25 - 15:45 Refreshment and coffee- 20 minutes**

**Oral Presentation**

15:45 - 16:05	<b>Prof. Valeri Barsegov</b> University of Massachusetts, USA	Dynamic Force Spectroscopy in Silico: Exploring Strength, Deformability, Toughness and Mechanical Fatigue of Biological Nanoparticles
16:05 - 16:25	<b>Dr. Aleksandra Lobnik</b> University of Maribor, Slovenia	Nano Based Sensors
16:25 - 16:45	<b>Dr. Mohammad A Obeid</b> Ras Alkhaimah, UAE	Lipid Nanoparticles Formulations: from Bench Scale to Industrial Scale
16:45 - 17:05	<b>Prof. Weiguo Li</b> Chongqing University, China	Force-Heat Equivalence Energy Density Principle and its Applications to The Characterization of Material Properties Under Extreme Conditions
17:05 - 17:25	<b>Prof. Jiong Zhou</b> Northeastern University, China	Macrocycle Co-Crystal Materials

# Our Upcoming Engineering Conferences

Up to December 2026

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## Presents

### **Advanced Materials 2026**

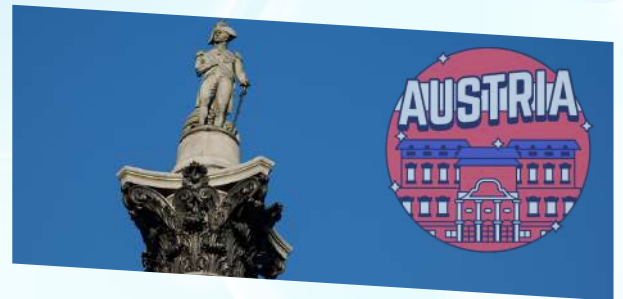
23-25 July 2026 Vienna, Austria

<https://miningmetallurgy.annualforums.com/>

### **Global Mat 2026**

23-25 July 2026 Vienna, Austria

<https://globalmaterials.annualforums.com/>



### **Asian Nano Summit 2026**

12 - 14 Nov 2026 Hong kong

<https://asiannano.annualforums.com/>



# SCIENTIFIC AGENDA

## DAY 2

June 16, 2026

Fairfield by Marriott Bali Legian, Bali

09:00 - 09:30 Onsite Registration & Seating Arrangement  
09:30 - 10:00 Introduction & Open Ceremony

### Plenary Presentation

10:00 - 10:30	<b>Prof. Olivier Bonnaud</b> University of Rennes, France	The Need for Innovation in Nanotechnology Training to Meet The Future Energy and Sustainability Challenges of The Digital World.
10:30 - 11:00	<b>Prof. Michele Aresta</b> University of Bari, Italy	Solar-Fuels. Challenges Towards Selective Photo(electro)catalysts
11:00 - 11:30	<b>Prof. Francesco Trotta</b> University of Turin, Italy	Evolution of Cyclodextrin-based Nanosponges: Green, Sustainable and Versatile Materials

11:30 - 11:50 Refreshment and coffee- 20 minutes

### Keynote Presentation

11:50 - 12:15	<b>Dr. Xing-Jie Liang</b> National Center for Nanoscience and Technology of China, China	Nano Pharmaceutical Drug Carriers for Controllable Delivery and Release In Vivo
12:15 - 12:40	<b>Prof. Annie K. Powell</b> Karlsruhe Institute of Technology (KIT), Germany	The Power, Beauty and Magic of Coordination Clusters for the Development of Materials Science
12:40 - 13:05	<b>Prof. Isabel Gouveia</b> University of Beira Interior, Portugal	From Fossil to Biobased Nanofibers: The Role of Circular Bioeconomy in Transforming the Textile industry
13:05 - 13:35	<b>Prof. Tyson York Winarski</b> Arizona State University, USA	Strategic Protection of Nanotechnology with Intellectual Property
13:35 - 14:00	<b>Dr. Atsushi Kajiwara,</b> Nara University of Education, Japan	Clarification of Elementary Processes of Radical Polymerizations using Electron Spin Resonance (ESR/EPR) Spectroscopy in Various Media

Memorable Group Photo & Selfie

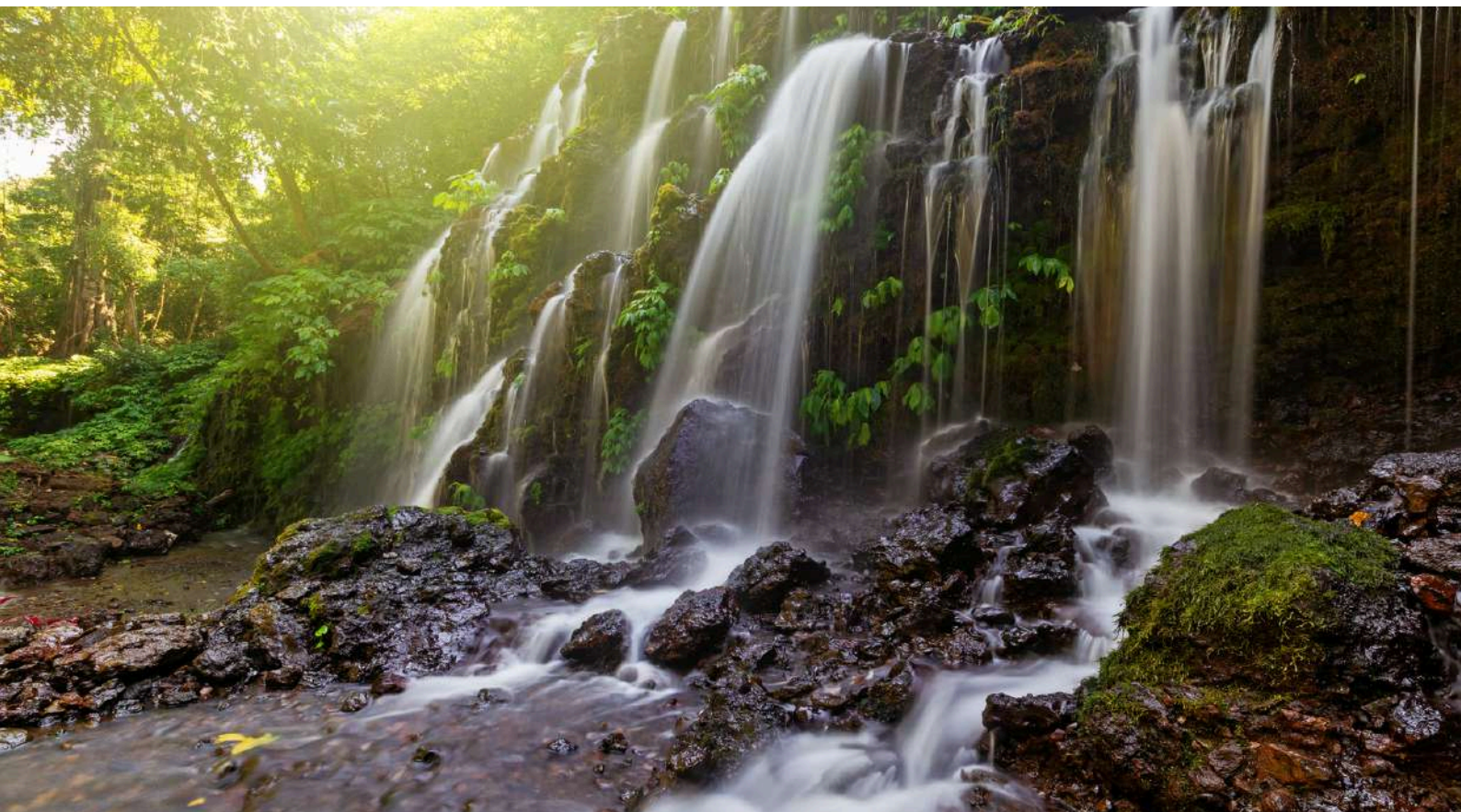
14:00- 14:45 Tempting Buffet Lunch & Photo Session

### Oral Presentation

14:45 - 15:05	<b>Prof. Martin Bolduc</b> Université du Québec à Trois-Rivières, Québec, Canada	Photonic Processing for Flexible Hybrid Electronics (FHE)
15:05 - 15:25	<b>Prof. Masahiro Furuya</b> Waseda University, Japan	From Industrial Disaster to Material Processing - Control Technology of Vapor Film
15:25 - 15:45	<b>Prof. Maria Giovanna Buonomenna</b> Ministero dell'Istruzione e della Ricerca Scientifica (MIUR), Italy	Nanostructured Polymer Membranes for Gas Separation
15:45 - 16:05	<b>Mr. M Qasim Khan</b> Aligarh Muslim University, India	Selective Delivery Employing Targeted Multifunctional Nanoparticles: Potential as a Possible Prophylactic Tool in Management of Fibrosarcoma in Model Animals
16:05 - 16:25	<b>Prof. Giada Gasparini</b> University of Bologna, Italy	Innovation in Structural Design Through Metal 3D Printed Lattice Elements

MM01	<b>Prof. Hubert Debski</b> Lublin University of Technology, Poland	Numerical and Experimental Study of the Stability and Load-Carrying Capacity of the Compressed Composite Profiles With Closed Cross-Sections
MM02	<b>Prof. Pawel Wysmulski</b> Lublin University of Technology, Poland	Influence of Central Hole on the Buckling and Post-Buckling Response of CFRP Laminate
MM03	<b>Dr. Laura Floroian</b> Transilvania University of Brasov, Romania	Functionalized Antimicrobial Films Based on Antibiotic Imbedded in Bioactive Glass Matrix for Implants Coating
PV01	<b>Dr. Bhavika Bhatia</b> Shiv Nadar Institution of Eminence, India	Energy-Efficient and Scalable Benzoxazine Polymeric Platform for Photocatalytic Hydrogen Peroxide Generation
PV02	<b>Ms. Viranchika Bijalwan</b> University of Petroleum and Energy Studies (UPES), Dehradun, India	Bio-Based Thiol-Acrylate Vitrimers For Light-Based 3D Printing of Soft Active Materials
MM04	<b>Prof. Dae-Woon Jeong</b> Changwon National University, Korea	Pore-Engineered Ni/Al <sub>2</sub> O <sub>3</sub> Catalysts for High-Performance CO <sub>2</sub> Reforming
MM05	<b>Ms. Hamna Jameel</b> Aligarh Muslim University, India	Plant Extract Mediated Bio-Fabrication of Chromium-Manganese Nanocomposite and its Anti-Biofilm Potential Against Some Important Bacteria
MM06	<b>Dr. Swaleha Zubair</b> Aligarh Muslim University, India	Amphotericin B Nano-Assemblies Circumvent Intrinsic Toxicity and Ensure Superior Protection in Experimental Visceral Leishmaniasis with Feeble Toxic Manifestation`

\*\*\*End of Day 2 Conference\*\*\*





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