

2nd International Summit on

MATERIALS SCIENCE AND **ENGINEERING**

March 19-20, 2026

March 19-20, 2026 (In-Person at Ambassador Hotel Bangkok, Thailand)
& March 21, 2026 (Virtual Via Zoom Platform)

Venue: Ambassador Hotel Bangkok, Thailand

Theme:

"Innovations
& Advanced
Technologies in
Materials Science"

Name	Affiliation	Title
Plenary Presentations		
Prof. Orlando Auciello	<i>University of Texas at Dallas, USA</i>	Materials Science/Technologies Development of Transformational Multifunctional Films for New Generations of Industrial, High-Tech, and Biomedical Devices/Prostheses To Improve Way/Quality of Life
Vladislav A. Sadykov	<i>Novosibirsk State University, Russia</i>	Design of Nanocomposite Materials for Advanced Energy Field
Dimitris S. Argyropoulos	<i>North Carolina State University, USA</i>	The Use of Cellulose Nanocrystals As Scaffolds for Nanodevices, Supramolecular Chemistry Using Nature's Most Abundant Template
Luca Vattuone	<i>University of Genoa, Italy</i>	Chemistry of 2D Materials: Graphene and H-BN on Ni(111)
Assoc. Prof. Dr. Quah Hock Jin	<i>Universiti Sains, Malaysia</i>	An Overview of High Dielectric Constant Materials as Passivation Layer for 4H-Silicon Carbide Based Metal-Oxide-Semiconductor Devices
Keynote Presentations		
Dr. Ping Liu	<i>Key Laboratory of Luminescent Materials and Devices, China</i>	Flexible Organic Electrochromic Devices Having Multicolored, Low-Voltage-Driven and High Contrast and Organic Photovoltaic Properties Based on Oligomers and Viologen Derivatives
Attapon Cheepsattayakorn	<i>Navamindradhiraj University, Bangkok, Thailand</i>	Nanomedicine in Pneumococcal Infection and Diseases Prevention and Therapeutics
Alois K. Schlarb	<i>Rhineland-Palatinate University of Technology Kaiserslautern-Landau (RPTU), Germany</i>	Smart Processing: The Key to High-Quality Components Made of Polymer Fiber Reinforced Polymers Using Extrusion-Based 3D-Printing
Jitladda Sakdapipanich	<i>Psychiatric Hospital of Havana, Cuba</i>	Direct Evidence of Viral Infection and Mitochondrial Alterations in the Brain of Fetuses at High Risk for Schizophrenia
Prof. Jon Binner	<i>University of Birmingham, UK</i>	Ceramic-Based Composites for Severe Environments

Prof. Kriveshini Pillay

*University of Johannesburg,
South Africa*

**Heavy-Metal Loaded Nanocomposites
As Novel Photocatalysts for the
Degradation of Organic Pollutants**

Oral Presentations

**Professor
V.G. Plekhanov**

Fonoriton Science Lab, Estonia

**Isotopical Creation of Semiconducting
Graphene**

Thomas J. Webster

*Hebei University of Technology,
China*

**30,000 Nanotextured Orthopedic
Implants in Humans: No Failures, No
Infection and Still Counting**

Christl Lauterbach

Future-Shape GmbH, Germany

**A Smart Textile Sensor System
Providing an Intelligent Floor**

Dr. Sudip Kumar Das

University of Calcutta, India

**Effects of TiO₂ Nanoparticle on the
Formation of Bioactive Glass Ceramics
in the CaO–Al₂O₃–SiO₂–P₂O₅–CaF₂–ZrO₂
System**

Dr. Paul Olaru

*AGIR Univ POLITEHNICA-
Bucharest, Romania*

**Plasma Surface Wear-resistant Titanium
Aircraft Alloys**

Vladimir V. Egorov

Kurchatov Institute, Russia

**Quantum-Classical Mechanics:
Principles, Applications and Prospects**

Dr. Anil Ramdas Bari

*Commerce and Science College,
Maharashtra, India*

**Nanostructured Zinc Oxide Chemical
Sensor**

Prof. Glen Bright

*University of KwaZulu-Natal,
South Africa*

**Mechanical Performance of Unidirectional
CFRP Materials Under Varying
Environmental Conditions Applicable to
Composite Wind Turbine Blades**

**Prof. Abraham
Shanzer**

*Weizmann Institute of Science,
Israel*

**Biomimetic Chemistry: Principles of
Molecular Recognition and Enzyme
Mimicry**

Eye Relaxation Break

Hadi Erfani

Mahidol University, Thailand

**Decoding Natural Rubber Networks:
Molecular Insights for High-
Performance and Sustainable Elastomer
Design**

**Segundo Mesa
Castillo**

Islamic Azad University, Iran

**Can Waste Management Change the
World of Environment?**

Dr. Khetraraj Dahal

*Lumbini International Academy of
Science and Technology, Nepal*

**Tools, Plants and Equipment
Mobilization in Construction Project
with Special Reference to Federal
Parliament Building Complex of Singha
Durbar, Kathmandu, Nepal**

Dr. Farah Jemili

University of Sousse, Tunisia

**Generative Artificial Intelligence for
Cyber Security**

Mr. Albin Kaelin	<i>CEO, Epeaswitzerland Gmbh, Switzerland</i>	Cradle to Cradle Design Innovations
Prof. Haitham Bahaidaraha	<i>King Fahd University of Petroleum and Minerals, Saudi Arabia</i>	Effective Use of Thermoelectric Modules in Water Distillation
Alba Martínez Fernández	<i>Universitat Politècnica De Catalunya (UPC), Spain</i>	Biopolymer-Based Hydrogels on Coatings for High-Performance Flexible Materials
Thomas J. Webster	<i>Hebei University of Technology, China</i>	30,000 Nanotextured Orthopedic Implants in Humans: No Failures, No Infection and Still Counting

Poster Presentation

Ibad Ali Khan	<i>King Fahd University of Petroleum and Minerals, Saudi Arabia</i>	Olive Leaves Activated Carbon for Supercapacitor Applications
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End of the Conference

