

International summit on

MATERIALS SCIENCE AND ENGINEERING

**February 27, 28, & March 1, 2025
Bangkok, Thailand**

Theme:

“Innovations & Advanced
Technologies in Materials Science”

Venue

Ambassador Hotel Bangkok,
Thailand

Materials Arena 2025

<https://materialsconference.mindauthors.com/>

Name	Affiliation	Title
Dr. Vladimir G Plekhanov	<i>Fonoriton Science Lab., Garon Ltd, Estonia</i>	Prospects for Isotope Materials Science
Dr. Zhongwei Guan	<i>University of Xian JiaoTong University, PR China</i>	Structural Response of PVC Foam-Based Sandwich Structures Subjected to Extreme Loading Conditions
Dr. Hongbing Lu	<i>The University of Texas at Dallas USA</i>	Improvement of Interlaminar Strength and Electrical Conductivity of Spread-Tow Carbon Fiber Composites through the Inserted Carbon Nanotube Sheets
Dr. Abraham Marmur	<i>Technion - Israel Institute of Technology Israel</i>	Super-hydrophobic Surfaces: From Theory to Practice
Thomas J. Webster	<i>Biomedical Engineering Mansfield USA</i>	30,000 Nano Orthopedic Implants Inserted into Humans: No Infections and No Failures and Still Counting
Dr. Vladislav Bogdanov	<i>National Transport University Kyiv, Ukraine</i>	About Plane Non stationary Problem of Interaction with Base with a Triangle Shape Welded Joint considering Martensites. Elastic-Plastic Formulation
Xiaowei Deng	<i>University of Hong Kong, Hong Kong</i>	Topology Optimization and Experimental Investigation of 3D-Printing Planar Steel Joints
Gwomei Wu	<i>Chang Gung University, Taiwan</i>	Nanostructured Thin Film Analysis of Perovskite Solar Cells Based on Water Soluble Lead Precursor
Dr. Yanhao Yu	<i>Southern University of Science and Technology, China</i>	A Universal Packaging Substrate for Mechanically Stable Assembly of Stretchable Electronics
Dr. Seongwoo Woo	<i>Ethiopian Technical University, Addis Ababa, Ethiopia</i>	Improving the Fatigue Design of Mechanical Systems Such as Refrigerator

Refreshments Break

Dimitris S Argyropoulos	<i>North Carolina State University Raleigh, USA</i>	Limitations & Opportunities in Creating Lignin-Derived Carbon Fibers
Dr. Antonio Pantano	<i>University of Palermo, Italy</i>	Non-destructive evaluation technique for assessing nanoparticle dispersion in composite materials

Dr. Yinlian Zhu	<i>Songshan Lake Materials Laboratory, China</i>	Achieving High Temperature Multiferroics by Atomic Design
Dr. Shengzhong (Frank) Liu	<i>Dalian National Laboratory for Clean Energy, China</i>	Perovskite – a Wonder Material for Solar Cells
Elias Randjbaran	<i>Manufacturing Department Aircraft Composite Inc, Malaysia</i>	Enhanced Mechanical Properties of Composite Plates Through Carbon Nanotube Incorporation: A Review of Applications and Future Directions
Dr. Marcello Cabibbo	<i>Università Politecnica Delle Marche, Italy</i>	Improved Mechanical Performance of Post Additive Manufacturing Heat Treated Auxetic AISI 316L
Suresh Aluviahara	<i>University of Peradeniya, Sri Lanka</i>	The Enhanced Utilization of Natural Earth Substances in Waste water Treatment through Adsorption and Absorption Capacities
Dr. Rami Ahmad El-Nabulsi	<i>Chiang Mai University, Thailand</i>	NONLOCAL APPROACH TO ENERGY BANDS IN PERIODIC LATTICES AND EMERGENCE OF ELECTRON MASS ENHANCEMENT
Dr. Igor Vladimirovich Reshetov	<i>Sechenov University, Russian</i>	Modeling Functional Surface for Additive Implant in Maxillofacial Surgery
Dear Valery P. Vassiliev	<i>Lomonosov Moscow State University, Russia</i>	Optimizing the Heat Capacities of Sphalerite and Wurtzite Phases as Single Systems
Abdeen Omer	<i>Nottingham NG74EU, UNITED KINGDOM</i>	Heat Exchanger Technology and Applications: Groundsource Heat Pump System for Buildings Heating and Cooling
Delia Teresa Sponza	<i>Dokuz Eylül University, Turkey</i>	Photodegradation of Pesticides Namely Heptachlor and 5-Acetylquinolin-8 Ol by Cu/ Nano-Bio-MOF-7 Nanocomposite
Dr. Binglu Zhang	<i>University of Science and Technology Beijing, China</i>	Hydrogen Trapping Behaviour and Mechanisms of Carbides in Steels—an In Situ Investigation
Dr. Urvashi Gunpath	<i>University of Derby, UK</i>	Powder Based Additive Manufacturing of Polymers and Metallic Alloys

Refreshments Break

Speakers Slots Available

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*** End of Conference ***

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