

# GCMSN2023

Scientific Program

Global Congress on

# Materials Science and Nanotechnology

*August 03-05, 2023 | London, UK*

Venue :

Renaissance London Heathrow Hotel,  
Bath Road, Hounslow, England,  
United Kingdom, TW6 2AQ

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## Day 01, Thursday, August 03, 2023

08:30-09:00		<b>Registrations</b>
09:00-09:30		<b>Introduction and Opening Ceremony</b>
09:30-10:05	P	<b>Title:</b> Boron Nitride van der Waals Heterostructures for Advanced Electronics and Biomedicine <b>Yoke Khin Yap, Michigan Technological University, USA</b>
10:05-10:40	P	<b>Title:</b> Towards Broadband Photocatalysis <b>Dongling Ma, Institut National de la Recherche Scientifique (INRS), Canada</b>
10:40-11:15	P	<b>Title:</b> Hybrid Spintronic Materials and Devices <b>Yongbing Xu, Nanjing University, China</b>
11:15-11:30		<b>Refreshments Break</b>
11:30-12:00	K	<b>Title:</b> Strongly-Confined Perovskite Quantum Dot Light-Emitting Diodes <b>Jianjun Tian, University of Science and Technology Beijing, China</b>
12:00-12:25	I	<b>Title:</b> Atomistic Simulations of Surface Processes in Materials for Energy Production and Storage <b>Rita Magri, University of Modena e Reggio Emilia, Italy</b>
12:25-12:50	I	<b>Title:</b> Ionic Segregation in Nano Oxides <b>Douglas Gouvea, University of Sao Paulo, Brazil</b>
12:50-12:55		<b>Group Photo</b>
12:55-13:40		<b>Lunch@ Market Garden Restaurant</b>
13:40-14:05	I	<b>Title:</b> Development and Applications of High-Performance Semiconducting Materials for Solution-Processed Electronic Devices <b>Jianping Lu, National Research Council of Canada, Canada</b>
14:05-14:30	I	<b>Title:</b> Target-Triggered DNA Motors and Their Applications to Biosensing <b>Hongquan Zhang, University of Alberta, Canada</b>
14:30-14:55	I	<b>Title:</b> Unveiling the Significant Role of Nano-particles in Controlling Microstructure and Mechanical Properties of Additively Manufactured Hard-to-Weld Alloys <b>Qiang Zhu, Southern University of Science and Technology, China</b>
14:55-15:20	I	<b>Title:</b> Nanotechnology for Advanced Dermal Drug Delivery: Potentials and Challenges of Phospholipid-Based Nanovesicles <b>Zeljka Vanic, University of Zagreb, Croatia</b>
15:20-15:45	I	<b>Title:</b> Nanopesticide Formulation and Targeted Precise Controlled-Release Technology <b>Wang yan, Chinese Academy of Agricultural Sciences (IEDA, CAAS), China</b>

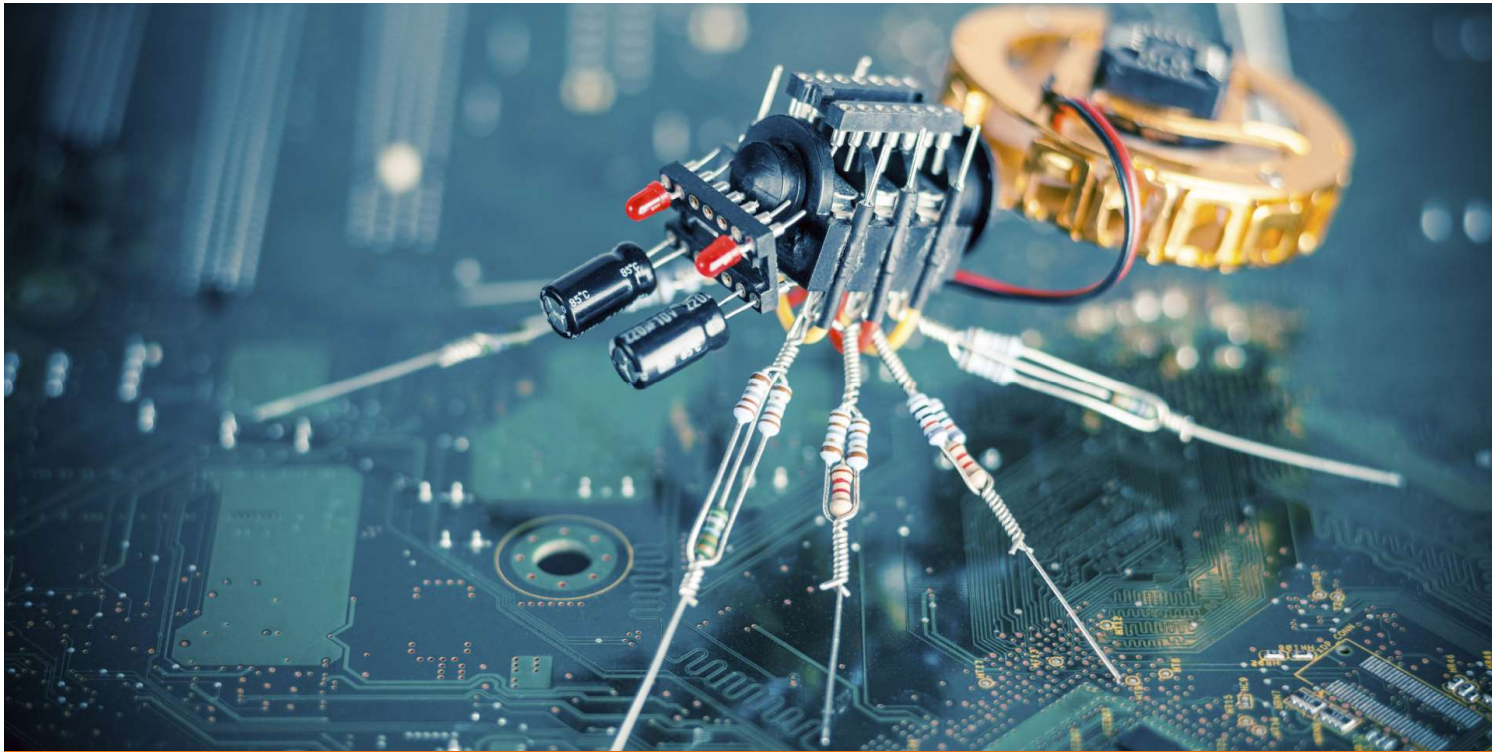
15:45-16:00		<b>Refreshments Break</b>
16:00-16:25	I	<b>Title:</b> Functionalized SBA-15 as a Future Environmental-Friendly Material for Metal Uptake <b>Mateusz Dulski</b> , <i>University of Silesia , Poland</i>
16:25-16:50	I	<b>Title:</b> High Brightness Fluorophores with Controllable Brightness <b>Dongyan Zhang</b> , <i>Michigan Technological University, USA</i>
16:50-17:15	I	<b>Title:</b> Quantum Technologies Experimental Platform <b>Thu Ha Dao</b> , <i>INFN Istituto Nazionale di Fisica Nucleare, Sezione di Roma Tor Vergata , Italy</i>
17:15-17:40	I	<b>Title:</b> Curcumin-Coated Iron Oxide Nanoparticles: as a Promising Theragnostic Agent <b>Samia Aboushousah</b> , <i>King Abdulaziz University, Saudi Arabia</i>
17:40-18:05	PO	<b>Title:</b> In vivo Biological Effects of Biosilica and Marine Collagen Scaffolds on the Process of Healing in Tibial Bone Defect in Osteoporotic Rats <b>Ana Renno</b> , <i>Federal University of São Paulo, Brazil</i>
<b>End of Day-1 Physical Conference</b>		

**Day-2 Virtual Conference , Friday, August 04, 2023,**

**@Time Zone in London, UK (GMT+1)**

15:00-15:35	P	<b>Title:</b> Water-Activated Carbon-Capture: From Nanostructured to Hybrid-Integrated Membranes <b>Richard Spontak</b> , <i>North Carolina State University , USA</i>
15:35-16:05	K	<b>Title:</b> Multiplexing Rubbing-Induced Site-Selective (RISS)Production of Bi2Se3 Based Memristive Devices <b>Xiaogan Liang</b> , <i>University of Michigan,USA</i>
16:05-16:30	I	<b>Title:</b> Spin Reorientation in Layered Perovskite Oxyfluoride Pb3Fe2O5F2 <b>Kengo Oka</b> , <i>Kindai University, Japan</i>
16:30-16:55	I	<b>Title:</b> Green Solutions Involving Enzymes and Biomaterials <b>Roberta Bussamara</b> , <i>Federal University of Rio Grande do Sul, Brazil</i>
16:55-17:20	I	<b>Title:</b> Materials Design and Characterization Using Multiscale Modelling <b>Pranab Sarker</b> , <i>Howard university, USA</i>
17:20-17:45	I	<b>Title:</b> Integration of Carbon Nanotube Hybrid Active Textile Systems in PPE for the Ohio Fire Service <b>Ashley Kubley</b> , <i>University of Cincinnati College of Design Architecture Art and Planning, USA</i>

**End of Virtual Presentations**



# Nanotech2024

Global Congress on Nanotechnology and Nanomaterials

April 25-27, 2024 | Tokyo, Japan

<https://avouchconferences.com/2024/nanotechnology-nanomaterials/>

