



# IESNN2023

International Experts Summit on

**Nanotechnology and Nanomaterials**

**November 06, 2023**

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# Virtual Presentation Monday | November 06, 2023

Introduction: 09:20AM – 09:30AM

Time Zone@ Beijing, China (GMT+8)

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|-----------------|---|--|
| 09:30AM–10:10AM | P | <b>Title:</b> Molecular Dynamics Study of Silica and Silicate<br><b>Junko Habasaki</b> , <i>Tokyo Institute of Technology (retired), Japan</i>   |
| 10:10AM–10:40AM | P | <b>Title:</b> Tunable Bi-directional Photoresponse in Hybrid PtSe <sub>2</sub> -x Thin Films Based on Precisely Controllable Selenization Engineering<br><b>He Yu</b> , <i>University of Electronic Science and Technology of China, China</i> |
| 10:40AM–11:20AM | P | <b>Title:</b> Employing Nanomaterials for Cooling and Dehumidification Innovation<br><b>Chua Kian Jon Ernest</b> , <i>Department of Mechanical Engineering, 9 Engineering Drive 1, Singapore, Singapore</i>                                    |
| 11:20AM–12:00AM | P | <b>Title:</b> Rapid Volumetric Additive Manufacturing in Solid State<br><b>Huang Weimin</b> , <i>Nanyang Technological University, Singapore</i>   |
| 11:20AM–12:00AM | P | <b>Title:</b> Layered Double Hydroxide Materials and their Application to Electrochemical Devices<br><b>Jason Jieshan Qiu</b> , <i>Faculty of Engineering, Hokkaido University, Japan</i>  |
| 12:00PM–12:30PM | K | <b>Title:</b> Stereolithographic Additive Manufacturing of Bioceramic Components with Dimensionally Modulated Structures<br><b>Soshu Kirihaara</b> , <i>Osaka University, Japan</i>  |
| 12:30PM–13:00PM | K | <b>Title:</b> Explosives Detection by Photoluminescence Quenching of Conjugated Polymers Under Various Environmental Conditions<br><b>Eunsoon Oh</b> , <i>Chungnam National University, South Korea</i>  |
| 13:00PM–13:25PM | I | <b>Title:</b> Wearable Devices for Low Vision People<br><b>Nataly Carolina Rosero-Navarro</b> , <i>Dalian Maritime University, China</i>   |
| 13:25PM–13:50PM | I | <b>Title:</b> Lo-XPEIS, Localized Photoelectron Impedance Spectroscopy for Investigation of Liquid/Solid Interfaces for Energy-Storage Systems<br><b>Jochen Schneider</b> , <i>RWTH Aachen University, Germany</i>                             |
| 13:50PM–14:15PM | I | <b>Title:</b> Facile Fabrication of Smart Polymers for Controlled Drug Delivery<br><b>Sefik Suzer</b> , <i>Bilkent University, Turkey</i>  |
| 14:15M–14:40PM  | I | <b>Title:</b> The Impact of High Pressure on Phase Transitions in Liquid Crystals Based Nanocolloids<br><b>E Manikandan</b> , <i>Institute of High Pressure Physics, Polish Academy of Sciences Warsaw, Poland</i>                             |

- 14:40PM–15:05PM** | **Title:** Organosilicon Porous Materials  
**Dengxu Wang**, *Shandong University, China*
- 15:05PM–15:30PM** | **Title:** Development of Porosity Ceramic Scaffold Based on Hydrothermal g-AOOH for Fabrication of SLIPS Surfaces  
**Mrs Maria Caruso**, *CNR-ISSMC, Faenza (RA), Italy*
- 15:30PM–15:55PM** | **Title:** GaAs Heterogeneous Integration on Silicon at the Nanoscale  
**Charles Renard**, *C2N- CNRS / University Paris-Saclay, France*
- 15:55PM–16:20PM** | **Title:** Thermal Analysis of Memristive Nanodevices Allowing Prediction of Critical Switching Voltages  
**Marius Orłowski**, *Virginia Tech, USA*
- 16:20PM–16:45PM** | **Title:** Silica Nanoparticles: Universal Covalent Scaffold  
**Gabor Patonay**, *Georgia State University, USA*
- 16:45PM–17:10PM** | **Title:** The Holy Grail for Live Imaging: Laser Sensors for Medicine  
**Patricia A. Broderick**, *The City University of New York, USA*
- 17:10PM–17:35PM** | **Title:** Application of Deep Learning for Designing Small Molecules and Peptides  
**Dong Xu**, *University of Missouri, Columbia, USA*
- 17:35PM–18:00PM** **K** **Title:** Energy-Efficient Atmospheric Water Generation Using Hybrid Nanofluids  
**Venkateswara Rao Kode**, *Research Division, Genesis Systems LLC, USA*
- 18:00PM–18:40PM** **P** **Title:** The Arrival of Nanomaterials in Humans: Fighting Diseases and Growing Tissues  
**Thomas webster**, *Hebei University of Technology/Interstellar Therapeutics, USA/China*
- 18:40PM–19:10PM** **K** **Title:** Wearable Devices for Low Vision People  
**Xianping Fu**, *Dalian Maritime University, China*
- 19:10PM–19:50PM** **P** **Title:** Advanced Concepts for Ultra- High Conversion Efficiency of Solar Photons into Photovoltaics and Solar Fuels Based on Quantization Effects in Nanostructures and Molecular Singlet Fission  
**Arthur J. Nozik**, *University of Colorado, USA*
- 19:50PM–20:30PM** **P** **Title:** REE Elements Recovery by Advanced Magnetic Separation Nanotechnology  
**Qiang You**, *Physics Department, University of Idaho, USA*

**END OF THE PROGRAM (IESNN2023)**



2<sup>nd</sup> International Experts Summit on  
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# IESNN 2024

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07-09 October, 2024 | Osaka, Japan

