



IESMMM2023

International Experts Summit on
**Magnetism and Magnetic
Materials**
September 07, 2023

Contact Us

Hyderabad, Telangana-500083
INDIA

Phone: +91-8886220590

Email: contact@meghazmeetings.com

Thursday | September 07, 2023

Introduction: 9:50 AM - 10:00AM

- 10:00AM-10:40AM** **P** **Title:** Characterization and Control of Magnetic Properties from Microwave to Millimeter-Wave Frequencies
Tsun-Hsu Chang, Department of Physics, National Tsing Hua University, Taiwan
- 10:40AM-11:20AM** **P** **Title:** Room-Temperature 2D Ferromagnetic Crystals and All-2D Magnetic Tunneling Junctions
Haixin Chang, Huazhong University of Science and Technology, China
- 11:20AM-12:00AM** **P** **Title:** Stereolithographic Additive Manufacturing of Dielectric Structures for Spatial Modulations of Electromagnetic Waves
Soshu Kirihaara, Osaka University, Japan
- 12:00PM-12:35PM** **K** **Title:** Thermoelectric Power Generation with Stirling Engine by using Disk-Magnet Electromagnetic Induction (DM-EMI)
Hiroshi Uechi, Osaka Gakuin University, Japan
- 12:35PM-13:15PM** **P** **Title:** Thermomechanical Processes and Transformations Governing Shape Reversibility in Shape Memory Alloys
O. Adiguzel, Firat University, Department of Physics, Elazig, Turkey
- 13:15PM-14:05PM** **P** **Title:** Effect of Cold Rolling on Microstructure Evolution, Texture Development and Magnetic Properties of Low Molybdenum UNS S32101 Lean Duplex Stainless Steel
Tushar R. Dandekar, Engineering, University of Portsmouth, Hampshire, United Kingdom
- 14:05PM-14:45PM** **P** **Title:** Generation of Giant Magnetic Field at Resonant Light Scattering by Small Particles
Michael I. Tribelsky, Lomonosov Moscow State University, Russia
- 14:45PM-15:25PM** **P** **Title:** Magnetic Catalytic Nanoparticles: From Heating to Structured Catalysis Design
B. Likozar, National Institute of Chemistry, Department of Catalysis and Chemical Reaction Engineering, Hajdrihova 19, SI-1001 Ljubljana, Slovenia

- 15:25PM-16:05PM** **P** **Title:** High Power Density Motor & Invertor for Advanced Air Mobility

A. Hideo Kumagai, Spacetrronics Laboratory, Tamagawa Seiki Co.,LTD., Japan
- 16:05PM-16:40PM** **K** **Title:** Multicomponent Magnetic Photocatalysts for Water Treatment under Sunlight

Nataša Novak Tusar, National Institute of Chemistry and University of Nova Gorica, Slovenia
- 16:40PM-17:05PM** **I** **Title:** Significant Improvement of Magnetomechanical Efficiency for Fe- Based Surface-Crystalline Alloys with Quenched-in Crystallites

Yu Sun, Aerospace Information Research Institute, Chinese Academy of Sciences, China
- 17:05PM-17:30PM** **I** **Title:** Magnetic Properties of the Strong Nuclear Interaction

Vladimir Plekhanov, Fonoriton Sci. Lab., Garon LtD, Tallinn 11413, Estonia
- 17:30PM-17:55PM** **I** **Title:** Improving the Fatigue Design of Mechanical Systems such as Refrigerator

Seongwoo Woo, Ethiopian Technical University, Ethiopia
- 17:55PM-18:20PM** **I** **Title:** Quantum-Classical Mechanics: Principles, Applications, and Prospects

Vladimir Egorov, FSRC "Crystallography and Photonics", RAS, Moscow, Russia
- 18:20PM-19:00PM** **P** **Title:** The Dawn of 4D Printing: Magnetic and Infrared Control of Implantable Material Geometry

Thomas Webster, Interstellar Therapeutics, 241 Francis Avenue, Mansfield, MA USA
- 19:00PM-19:40PM** **P** **Title:** Development of Magnetorheological Nanocomposites and Their Magneto-Mechanical Coupling

Lizhi Sun, University of California, USA
- 19:40PM-20:05PM** **I** **Title:** Magnetic Hybrid Thermoplastic Rubber Nanocomposites for Advanced Applications

Sahrim Ahmad, University Kebangsaan Malaysia, Malaysia

THE END



2nd International Experts Summit on
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