



**Conference Mind**

SCIENTIFIC PROGRAM

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International Webinar on

# Magnetism and Magnetic Materials

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May 10-11, 2022

**THEME: Navigating Towards The  
Future Scope Of Magnetic World**

<https://conferencemind.com/conference/magnetismandmagneticmaterials>

# KEYNOTE SESSION - I

10:00 AM - 10:40 AM

**TITLE:**

**Stereolithographic Additive Manufacturing of Electromagnetic Crystals with Ceramic Patterns**

SOSHU KIRIHARA

Osaka University, Japan

10:40 AM - 11:20 AM

**TITLE:**

**Dynamical Switching of Magnetic Topology in Microwave-Driven Itinerant Magnet**

RINTARO ETO

Waseda University, Japan

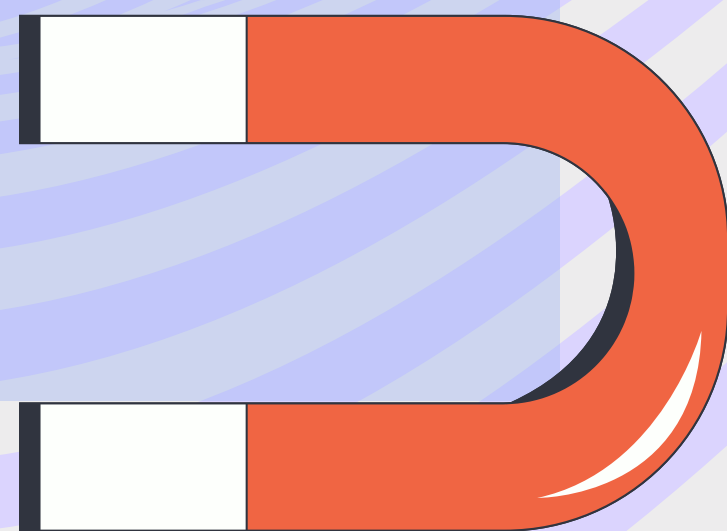
11:20 AM - 12:00 PM

**TITLE:**

**An Improved Analytical Model of Magnetic Field in Surface-Mounted Permanent Magnet Synchronous Motor With Magnetic Pole Cutting**

LIANLIAN GAO

Harbin University of Science and Technology, China



**REFRESHMENT BREAK - (12:00 PM - 12:15 PM)**

# **ORAL SESSION**

**12:15 PM - 12:45 PM**

**TITLE:**

**An Ultrasensitive Virus ELISA Based on a magnetic Mesoporous Silica Nanoprobe**

**XIN ZHOU**

Yangzhou University, China

**12:45 PM - 13:15 PM**

**TITLE:**

**Magnetic properties of Ashkin Teller model ferromagnetic thin films with spin 1/2: Monte Carlo treatment**

**A. BENMANSOUR**

University of Tlemcen, Algeria

**13:15 PM - 13:45 PM**

**TITLE:**

**Using Dipole Interaction to Achieve Nonvolatile Voltage Control of Magnetism in Multiferroic Heterostructures**

**XI-XIANG ZHANG**

King Abdullah University of Science and Technology, Saudi Arabia

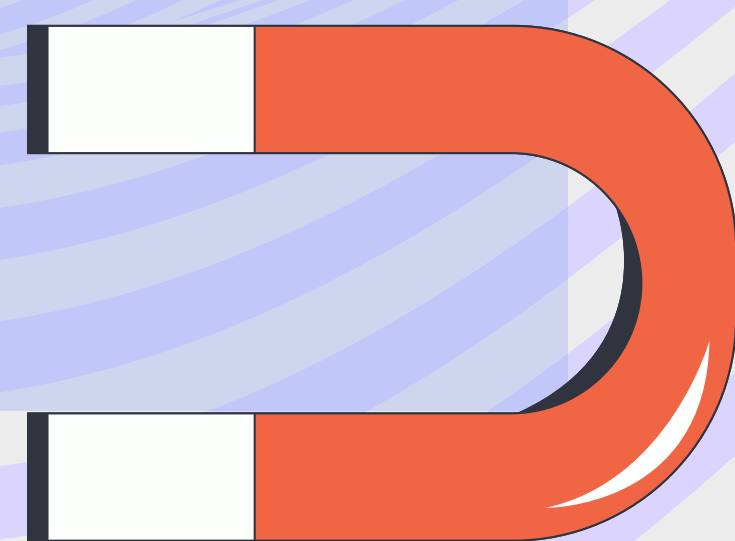
**13:45 PM - 14:15 PM**

**TITLE:**

**Synchronous Temperature and Magnetic Field Dual-Sensing by Luminescence in a Dysprosium Single-Molecule Magnet**

**LUÍS D. CARLOS**

University of Aveiro, Portugal





**REFRESHMENT BREAK - (14:15 PM - 14:45 PM)**

# **KEYNOTE SPEAKER - II**

**14:45 PM - 15:25 PM**

**TITLE:**

**Critical properties of a 2D frustrated magnet with non-magnetic impurities**

**D. N. YASINSKAYA**

Ural Federal University, Russia

**15:25 PM - 16:05 PM**

**TITLE:**

**Effects of the quark anomalous magnetic moment in the chiral symmetry restoration: magnetic catalysis and inverse magnetic catalysis**

**R. L. S. FARIAS**

Universidade Federal de Santa Maria, Brazil

**16:05 PM - 16:50 PM**

**TITLE:**

**Chiral Coupling between Magnetic Layers with Orthogonal Magnetization**

**CAN ONUR AVCI**

ETH ZUrich, Switzerland

**16:50 PM - 17:30 PM**

**TITLE:**

**Magnetic Topological Insulator Heterostructures: A Review**

**JIEYI LIU**

University of Oxford, UK

## **Session Adjournment**

