



# GCMMM2023

## SCIENTIFIC PROGRAM

### Global Congress on Magnetism and Magnetic Materials

*August 10-12, 2023 | London, UK*

Venue :

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

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**Day 01, Thursday, August 10, 2023**

8:00-9:00		<b>Registrations</b>
9:00-9:30		<b>Introduction and Opening Ceremony</b>
		<b>Plenary Talks</b>
09:30-10:10	P	<b>Title:</b> Development of Soft Magnetic Microwires for Magnetic Sensor Applications <b>Arkady Zhukov, University of Basque Country and Ikerbasque, Spain</b>
10:10-10:50	P	<b>Title:</b> Novel Tetragonal (L10) Magnets <b>Ian Baker, Dartmouth College, USA</b>
10:50-11:30	P	<b>Title:</b> Spintronics with 2D Materials <b>Yongbing Xu, Nanjing University, China</b>
11:30-11:45		<b>Refreshments Break</b>
		<b>Invited Talks</b>
11:45-12:10	I	<b>Title:</b> Unlocking Microwave Functionality with Magnetoacoustic Coupling in Microscale Heterostructures <b>Derek Bas, Air Force Research Laboratory, USA</b>
12:10-12:35	I	<b>Title:</b> Rapid Quenched Soft Magnetic Ribbons for Power Electronics <b>Motoki Ohta, Shimane University, Japan</b>
12:35-13:00	I	<b>Title:</b> Formation and Control of Wide Range of Magnetic Structures in Magnetic Microwires <b>Alexander Chizhik, University of the Basque Country, Spain</b>
13:00-13:05		<b>Group Photo</b>
13:05-13:40		<b>Lunch Break</b>
13:40-14:05	I	<b>Title:</b> Unusual Orthogonal Spin Ordering in Quadruple Perovskite Materials <b>Fabio Denis Romero, Neel Institute, France</b>
14:05-14:30	I	<b>Title:</b> Biomagnetic Field Measurement System Based on off Diagonal Magnetoimpedance Sensor <b>Tsuyoshi Uchiyama, Nagoya University, Japan</b>
14:30-14:55	I	<b>Title:</b> Magnetoelastic Resonance-Based Gas Sensors <b>Álvaro Peña, University of Madrid, Spain</b>
14:55-15:20	I	<b>Title:</b> Magneto Optic Imaging Film (MOIF) Technique: Latest Advances and Applications <b>Lev Dorosinskiy, National Metrology Institute, Turkey</b>
15:20-15:35		<b>Refreshments Break</b>
		<b>Poster Presentations</b>
15:35-16:00	PO	<b>Title:</b> Magneto-Fluorescence Coupling in Coordination Complex <b>You Song, Nanjing University, China</b>

16:00-16:25	PO	<b>Title:</b> Dimerization and Magnetization Plateaus in Ni <sub>2</sub> V <sub>2</sub> O <sub>7</sub> Observed at 120 T <b>Z. W. Ouyang</b> , <i>Huazhong University of Science and Technology, China</i>
16:25-16:50	PO	<b>Title:</b> Structure and Magnetism of an Ideal One-dimensional Chain Antiferromagnet [C <sub>2</sub> NH <sub>8</sub> ] <sub>3</sub> [Fe(SO <sub>4</sub> ) <sub>3</sub> ] with Large Spin of S = 5/2 <b>Zhenxing Wang</b> , <i>Huazhong University of Science and Technology, China</i>
16:50-17:15	PO	<b>Title:</b> Novel Sensing Technique for Non-Destructive Composites Monitoring <b>Valentina Zhukova</b> , <i>University of Basque Country, Spain</i>
17:15-17:40	PO	<b>Title:</b> Towards Room Temperature Magnets: The Exchange Properties of d <sup>7</sup> Transition Metal Phthalocyanines <b>James Broadhurst</b> , <i>Imperial College London, UK</i>

End of Day1

Day-2 Virtual Conference, Friday, August 11, 2023  
@Time Zone in Paris, France CEST(GMT+2)

Virtual Presentations

09:00-09:25	I	<b>Title:</b> Pressure Tuning Domain-Wall Chirality in Noncentrosymmetric Magnetic Weyl Semimetal CeAlGe <b>Yongkang Luo</b> , <i>Huazhong University of Science and Technology, China</i>
09:25-09:50	I	<b>Title:</b> Spinel Ferrites as a Potential Candidate for Hyperthermia Treatment <b>Madhumita Dalal</b> , <i>Bejoy Narayan Mahavidyalaya, India</i>
09:50-10:15	I	<b>Title:</b> Effects of Ligands and Counterions on Mn(III) Spin Crossover Phenomenon <b>Komala Pandurangan</b> , <i>Indian Institute of Science, India</i>
10:15-10:40	I	<b>Title:</b> Miniaturized Contactless Sensors Based on Magnetically Bistable Microwires. <b>Rastislav Varga</b> , <i>RV Magnetics, Slovakia</i>
10:40-11:05	I	<b>Title:</b> Magnetic Force Microscopy Imaging Nanostructures with Curvature <b>Eider Berganza Eguiarte</b> , <i>Institute of Materials Science of Madrid, Spain</i>
11:05-11:30	I	<b>Title:</b> High Efficiency Devised Based on the Anomalous Nernst Effect of Co/Pt Magnetic Multilayers <b>Guillermo Lopez-Polin</b> , <i>Autonomous University of Madrid, Spain</i>
11:30-11:55	I	<b>Title:</b> Magnetic Characterization as a Tool for Deciphering the Influence of the Carbon Matrix and Crystalline Structures in Ni@C Nanoparticles <b>Pablo Álvarez-Alonso</b> , <i>University of Oviedo, Spain</i>

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11:55-12:35	I	<b>Title:</b> Generation of MG Magnetic Fields on a 1 MA Pulsed Power Machine and Experiments with Magnetized Plasma <b>V. V. Ivanov</b> , <i>University of Nevada, USA</i>
12:35-13:15	P	<b>Title:</b> Will be Updated Soon <b>Paulo César De Moraes</b> , <i>Catholic University of Brasília, Brazil</i>
13:15-13:55	P	<b>Title:</b> Contactless Magnetic Sensing in Condition Monitoring and Anomaly Detection for Smart Grid: New Possibilities and Alternatives <b>Philip W. T. Pong</b> , <i>New Jersey Institute of Technology, USA</i>
13:55-14:35	P	<b>Title:</b> Will be Updated Soon <b>Shiv N. Khanna</b> , <i>Virginia Commonwealth University, USA</i>

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**End of Virtual Presentations**

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2<sup>nd</sup> Global Congress on Magnetism and Magnetic Materials

April 25-27, 2024 | Tokyo, Japan

<https://avouchconferences.com/2024/magnetism-magnetic-materials/>