

MORIS2024

Magnetics and Optics Research International Symposium 2024

Date: 28 – 31 May 2024

Venue: University of York, UK

Abstract deadline: 31 Jan. 2024

(tentative)



UNIVERSITY
of York

**First
Announcement**

Scope

1. Magneto-optical phenomena and devices

Linear and nonlinear magneto-optical effects, spin-photonics and opto-spintronic phenomena and devices

2. Magnetic materials fabrication and engineering

Storage, high- K_u , ferrimagnetic, antiferromagnetic, altermagnetic, multiferroic, topological, 2D and meta materials, multilayers, patterned and artificial structures, nano-particles

3. Ultrafast dynamics / reversal / magnonics

All-optical switching, spin waves, opto-, cavity-, 3D- and flexible-magnonics

4. New concepts

Spintronics, spin caloritronics, thermo-magnetic phenomena, magnetoelectricity, materials informatics, artificial intelligence, magneto-phononics, chirality-induced spin selectivity, orbitronics

5. Advanced light source and characterization technique

Synchrotron, free electron laser, THz time-domain spectroscopy, magneto-optical imaging

6. Magnetic recording and memories

Energy-assisted magnetic recording, head integration, surface-plasmon resonance, antenna devices, MRAM, magnetoelectric RAM

MORIS

(Magnetics and Optics Research International Symposium) is the world's leading forum for discussions on fundamental and applied research in the area of magnetic, magneto-optical, and thermo-magnetic phenomena, materials, and devices. It highlights recent trends extending toward ultrafast dynamics, magnetic recording, and their interconnections.

Organization

Symposium General Co-Chairs:

T. Ishibashi (Nagaoka Univ. Tech., Japan)

R.W. Chantrell (Univ. York, UK)

Local Chair:

A. Hirohata (Univ. York, UK)

Program Co-Chairs:

T. Satoh (Tokyo Tech, Japan)

M. Fiebig (ETH Zurich, Switzerland)

Steering Chair:

A. Tsukamoto (Nihon Univ., Japan)

Steering Vice Chair:

K. Sekiguchi (Yokohama Nat. Univ., Japan)

International Advisory Chair:

T. Kato (Nagoya Univ., Japan)

International Advisory Vice Chair:

A. Kikitsu (Toshiba, Japan)

