



INDO-ITALY JOINT WORKSHOP ON EMERGENT MAGNETIC STORAGE DEVICES AND SENSORS

18-19 November, 2025

**School of Materials Science and Technology
Indian Institute of Technology (BHU), Varanasi**



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THEME

Recent breakthroughs in magnetic storage technologies like MRAM and spin-orbit torque devices.

Magnetic sensors innovations for environmental monitoring, biomedical and soft robotics.

To promote Indo-Italian academic and industrial collaborations.

ORGANIZERS

Patron:

Prof. Amit Patra, Director, IIT (BHU), Varanasi

Organising committee:

Prof. Rajiv Prakash

Prof. Pralay Maiti

Prof. Chandana Rath

Prof. Akhilesh Kumar Singh

Prof. Chandan Upadhyay (Coordinator, SMST)

Prof. Bhola Nath Pal

Prof. Ashish Kumar Mishra

Prof. Shrawan Kumar Mishra (Convenor)

Prof. Sanjay Singh

Prof. Nikhil Kumar

Prof. Ravi Panwar

Prof. Uday Sankar

Prof. Shivam Verma

Prof. Sandip Chatterji

Prof. Gautam Anand (Treasurer/Secretary)

REGISTRATION

<https://forms.gle/bdx3nxQ8WaiSqW6VA>

• Register online by 10/11/2025

• Selection will be based on research relevance.

• Shortlisted participants by 12/11/2025

• Seats are limited (only 75 participants)

• Workshop fees:

₹ 3500* (early-career researchers/faculty)

₹ 2500* (PhD scholars)

₹ 1500* (Master's students)

• Accommodation on a payment basis (deadline: 30/10/2025)

Bank Details:

- | | |
|---------------------------|---|
| (i) Name of Account - | IIT(BHU)-Main Account (Institute Development Fund) |
| (ii) Account No. - | 32778803937 |
| (iii) Account Type - | Current Account |
| (iv) Account Holder Name- | The Registrar, IIT(BHU) |
| (v) Name of Bank & Add.- | State Bank of India, IT-BHU Branch (Branch Code- 11445)
IIT(BHU), Campus, Varanasi-221 005
Ph. No.: 0542-2369181
SBIN0011445 |
| (vi) IFSC Code - | SBIN0011445 |



Expert Speakers



Dr. Alessandro Magni

Dr. Michaela Kuepferling

Dr. Vittorio Basso

This joint Indo-Italy workshop brings together leading researchers, scientists, and industry experts from India and Italy to discuss cutting-edge developments in emergent magnetic storage devices and sensors. With a focus on sustainable technologies, the event will cover advancements in magnetic memory, spin-based electronics, and sensor applications for IoT, healthcare, and data storage. Attendees will gain insights into collaborative research opportunities between the two nations, fostering innovation in materials science and nanotechnology. Join us at the historic IIT BHU campus in Varanasi for two days of engaging talks, panel discussions, and networking.

