

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 -221005*



Quality training intertwined with scientific advancement

This workshop aims to bring together leading experts, researchers, and students to explore the latest advancements in magnetic materials and technologies. The pioneering contributions in spintronic research have been widely recognized and align perfectly with the workshop's focus on emerging trends in data storage, sensor fabrication, and their interdisciplinary applications in fields such as computing, healthcare, and renewable energy.

ORGANIZING COMMITTEE

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)

CONTACT US

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Workshop weblink:

<https://quantum-lab-conference.vercel.app/>

EXPERT SPEAKERS



Dr. Michaela Kuepferling



Dr. A. Magni



Dr. Vittorio Basso



REGISTRATION

Register online via Google Form. Scan the QR code below to access the registration link instantly and secure your slot.

<https://forms.gle/bdx3nxQ8WaiSqW6VA>



Register online by 10/11/2025

- Workshop fees:
₹ 3500* (early-career researchers/faculty)
₹ 1500* (PhD scholars)
₹ 1000* (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
- (vi) IFSC Code - SBIN0011445

ABOUT WORKSHOP

Our Vision

This joint workshop aims to provide a dedicated collaborative platform for leading scientists, researchers, and academicians from both India and Italy. Its primary goal is to facilitate in-depth discussions on modern trends, innovative methodologies, and practical applications in the fields of magnetic materials, advanced memory devices, and sophisticated sensing technologies.

Our Mission

In the pursuit of rapid technological advancements in spintronics, new materials and complex device architectures are fundamentally transforming how information is stored, detected, and processed. This workshop is strategically designed to emphasise next-generation memory systems, high-sensitivity magnetic sensors, and the principles of sustainable device engineering.

How to reach

IIT BHU, located in Varanasi, is an educational heartland, is exceptionally well connected, making it easily accessible to both domestic and international visitors. Visit the following web link for more visit-related information.

https://prev.iitbhu.ac.in/reach_us