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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Web- https://quantum-lab-conference.vercel.app/

Expert Speakers

Dr. Alessandro Magni

Dr. Michaela Kuepferling

Dr. Vittorio Basso

INRiM
ISTITUTO NAZIONALE
DI RICERCA METROLOGICA

IIT INDIAN INSTITUTE OF TECHNOLOGY
BANARAS HINDU UNIVERSITY

About the Workshop – A Platform for Bilateral Research

This section provides a clear objective, detailing the workshop's focus on modern technological progress and its aim to foster future international collaboration in materials science and spintronics.

Core Objectives

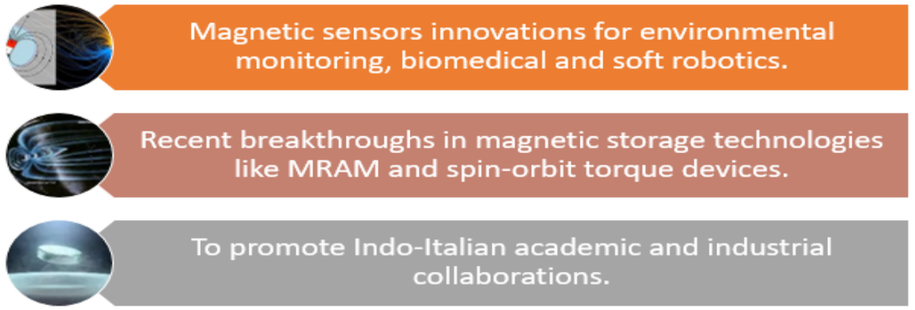
The Indo–Italy Joint Workshop aims to provide a dedicated collaborative platform for leading scientists, researchers, and academicians from both India and Italy. The primary goal is to facilitate deep discussion on modern trends, innovative methodologies, and practical applications within the field of magnetic materials, advanced memory devices, and sophisticated sensing technologies.

Technological Focus

Given the rapid technological advancements in nanotechnology and spintronics, new materials and complex device architectures are fundamentally transforming the methods by which information is stored, detected, and ultimately utilised. This workshop is strategically designed to emphasise next-generation memory systems, high-sensitivity magnetic sensors, and principles of sustainable device engineering.

Through structured keynote talks, dedicated research sessions, and interactive discussions, participants will gain invaluable insights and precisely identify emerging opportunities for impactful bilateral research collaboration, strategic joint projects, and comprehensive academic exchange programmes between the two nations.

Key Workshop Themes



Workshop Organising Committee

The organising committee details the key academic leadership from IIT (BHU) responsible for the workshop's successful execution, demonstrating institutional backing and expertise.

Academic Leadership and Coordination

Patron:

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

Organising committee:

1. Prof. Rajiv Prakash
2. Prof. Pralay Maiti
3. Prof. Chandana Rath
4. Prof. Akhilesh Kumar Singh
5. Prof. Chandan Upadhyay (Coordinator, SMST)
6. Prof. Bhola Nath Pal
7. Prof. Ashish Kumar Mishra
8. Prof. Shrawan Kumar Mishra (Convenor)
9. Prof. Sanjay Singh
10. Prof. Nikhil Kumar
11. Prof. Ravi Panwar
12. Prof. Uday Sanker
13. Prof. Shivam Verma
14. Prof. Sandip Chatterji
15. Prof. Gautam Anand (Treasurer/Secretary)

Essential Registration Details

Clear, mandatory information regarding application deadlines, participation limits, and the required registration fees across different academic tiers.

Registration Guidelines

Registration Deadline

All submissions must be completed through the designated **Google Form** by **10 November 2025**.

Participation Limit

To maintain an optimal interactive environment, participation is strictly limited to a total of **75 candidates**.

Selection Notification

Candidates will be officially notified of their selection and participation status by **12 November 2025**.

Registration Fees (INR)

Early-career researchers/ faculty	**₹3500**
PhD students	**₹2500**
Master's students	**₹1500**

Accommodation: Accommodation for participants will be arranged on a mandatory **payment basis** within the campus or nearby facilities. (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

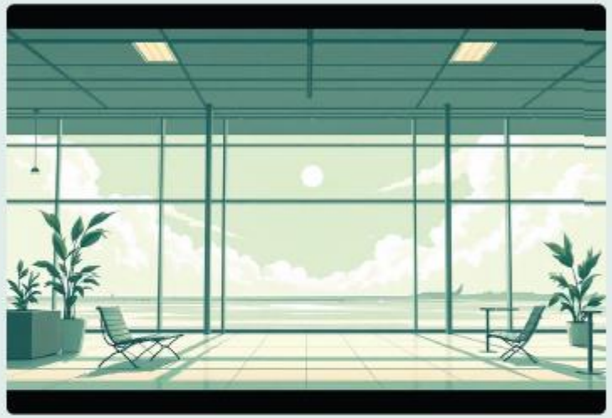
How to Register: Register online via Google Form. Scan the QR code below to access the registration link instantly and secure your slot.

https://forms.gle/bdx3nxQ8WaiSqW6VA

Getting to Varanasi :Your Travel Guide

Varanasi, a spiritual and cultural heartland, is exceptionally well-connected, making it accessible to both domestic and international tourists. Here is a comprehensive guide to reaching the Holy City.

✈️ By Air: Lal Bahadur Shastri International Airport (VNS)



VNS serves as the main gateway, offering robust domestic services and limited international flights. It is located approximately **26 km from the city centre**.

- Direct connections available from major Indian hubs: Delhi, Mumbai, Kolkata, Bengaluru, and Hyderabad.
- Transfer options: Taxis, pre-booked airport shuttles, and popular ride-hailing apps (Ola, Uber) ensure a hassle-free journey into the city or to specific destinations like Banaras Hindu University (32 km).

🚆 By Train: A Major Rail Hub

Rail travel remains the most popular and economical way to reach Varanasi, as it is a major junction linking the city to all corners of India.

- **Varanasi Junction (BSB):** The primary station for express and superfast trains.
- **Banaras Railway Station (BSBS):** An important secondary terminal.
- **Pt. Deen Dayal Upadhyaya Junction (DDU):** A key interchange connecting multiple long-distance routes.
- Frequent services run to and from Delhi, Kolkata, Mumbai, and Chennai.

🚌 By Road: Extensive Highway Network

Varanasi is well-integrated into the national and state highway system, making road travel smooth from neighbouring states and cities.

- Direct road links exist with major metropolitan areas like Delhi, Agra, Lucknow, Prayagraj, and Patna.
- **Intercity and State Transport Buses:** Regular services are available, terminating primarily at the Chaudhary Charan Singh Bus Stand (Varanasi Cantt Bus Station).