



# INDO-JAPAN WORKSHOP

## ON

## TRENDS IN QUANTUM MATERIALS

24 March 2026 | Dev & Vardhana Goswami Lecture Hall Complex  
School of Materials Science and Technology  
Indian Institute of Technology (BHU), Varanasi

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### Theme

- To explore recent breakthroughs in quantum materials.
- To discuss sensor innovations for environmental monitoring, biomedical applications, and smart systems.
- To promote Indo-Japan academic and industrial collaborations in emergent materials research.

### Expert Speakers



Dr. Shinji Isogami  
NIMS, Japan



Dr. Soumya Ranjan Rath  
NIMS, Japan

This Indo-Japan workshop brings together leading researchers, scientists, and industry experts from India and Japan to discuss cutting-edge developments in emergent quantum materials. This workshop will offer an opportunity to emphasise the research tradition and the trends of adapting the research fundamentals in today's world. The following are major themes that conferences will be emphasized:

1. Electronic materials for sensors
2. Neuromorphic devices
3. Electrical, Photonic materials and devices
4. Magnetic, spintronics and superconducting materials
5. Materials for energy and environment
6. Ion matter interactions and their applications
7. Structured materials and alloys
8. Quantum materials and applications

Join us at the historic IIT BHU campus in Varanasi for engaging talks, panel discussions, and networking.

#### 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)

### Registration

<https://forms.gle/ux2WfUQNSjN21Bdy5>



- Register online by 10/03/2026
- Selections are based on research relevance.
- Shortlisted candidates will be notified by 15/03/ 2026
- Selected participants must pay the fee by 08/03/2026.
- Seats are limited to 75 participants
- **Workshop fees:**
  - ₹ 1000 (Early-career researchers)
  - ₹ 500 (PhD scholars & Master's students)
- Accommodation will be provided on a payment basis (booking deadlines 01 /03/2026)

