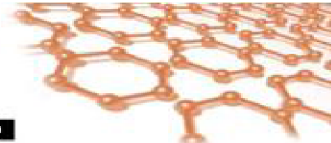


**INUP**  
Indian Nanoelectronics Users' Programme



A project of MeitY, Govt. of India at IIT Bombay and IISc Bangalore

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**INUP Hands-on Training Workshop on Spintronics**  
**October 23-27, 2017 IIT Bombay**

<http://www.inup.iitb.ac.in>

The Ministry of Electronics and Information Technology (MeitY), Govt. of India has sponsored Centres of Excellence in Nanoelectronics (CEN) at IIT Bombay and IISc Bangalore. INUP was initiated to extend the facilities available at CEN for research and process/product development to researchers across the country. At present, INUP provides support (fabrication/ characterization cost, travel and stay) for the researchers from academia to execute their work at these Centres. The full description of the INUP programme and available facilities can be seen on the website [www.inup.iitb.ac.in](http://www.inup.iitb.ac.in). The purpose of this workshop is to offer hands-on training to the prospective external users of CEN facilities at IITB.

The “Hands-on Training” takes a trainee through various modules of nanofabrication/ characterization/ simulation. This workshop will focus on Spintronics: Fabrication and characterization of Giant Magneto-Resistance Devices. The different training steps include: Sputter deposition of magnetic multilayers, formation of pinning layer by annealing in magnetic field, lithography and lift-off. You will also have an opportunity to explore different characterization facilities and get acquainted with TCAD simulation tool.

Online applications are invited from interested researchers from academia and R&D laboratories for the participation in this workshop, in the prescribed registration form (link given below). While selecting participants, preference will be given to those faculty members/students who are implementing/have submitted R&D projects under INUP at IITB/IISc Bangalore. If you have not submitted any proposal to INUP and have an innovative idea, you are invited to submit a complete proposal in the prescribed format, which is available at [www.inup.iitb.ac.in](http://www.inup.iitb.ac.in).

Participants would be supported for travel at actuals, subject to the limit of 3-tier AC train fare, on request for the shortest route from the place of work to IIT Bombay and back. Please note that travel support does not include tatkal fare and also Rajadhani, Duronto and Premium train fare. Accommodation and food would be taken care of.

**Important Dates:**

Registration deadline: **September 21, 2017**

Confirmation of selection: **September 22, 2017**

To register [click here](#)

(If you are facing any problem in registration, please contact

Email : [kavi.kharad@gmail.com](mailto:kavi.kharad@gmail.com) , [meetsurendrapatil@gmail.com](mailto:meetsurendrapatil@gmail.com)

Phone: +91-22-2576 4419)

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## Contact

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