



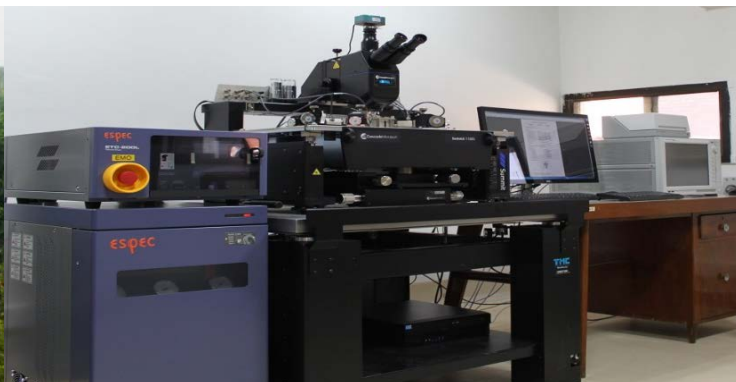
SHORT COURSE ON



Modeling, Simulation and Characterization of Nano-Transistors

OCTOBER 26 - 30, 2015

Organized by Department of Electrical Engineering, IIT Kanpur

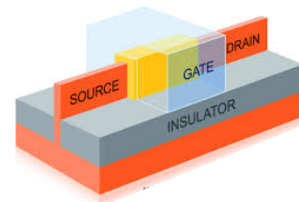


Sponsored by



Topics:

- VLSI design and Nanoelectronics
- Physics and Operation of MOSFET
- SPICE and Circuit simulation
- TCAD simulation: Theory and demonstration
- Compact Modeling: Theory and demonstration
- Scaling and Moore's Law
- International Technology Roadmap for Semiconductors
- Nanoscale Transistors: FinFET and FDSOI
- Characterization: Current and capacitance measurement
- RF CMOS and GaN High Electron Mobility Transistors



Website

<http://www.iitk.ac.in/nanolab/sc>

Registration Form

<http://www.iitk.ac.in/nanolab/sc>

Registration Fee **

Faculty: Rs. 12,000

Industry/R&D Labs: Rs. 15,000

Students: Rs. 5,000

Coordinators

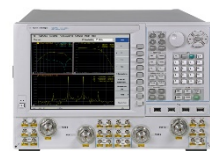
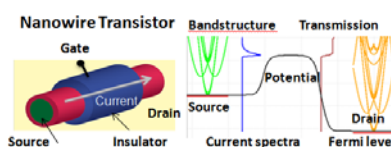
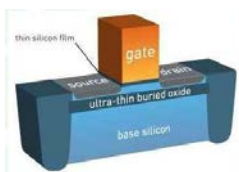
Dr. Y. S. Chauhan, IIT Kanpur

Dr. A. Agarwal, IIT Kanpur

Dr. N. Mohapatra, IIT Gandhinagar

Contact

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Also included:

- Laboratory visits and RF transistor measurement
- New research problems in Nanoelectronics

Target Audience:

Faculty members, practicing engineers & students.

SPEAKERS



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IIT Kanpur



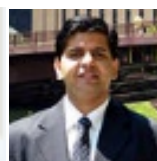
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**Registration Fee includes course fee, accommodation, food, printed lecture notes and stationery.