



INUP i2i

Indian Nanoelectronics Users' Programme
Idea to Innovation
A project of MeitY, Govt. of India



COMSOL



COMSOL Multiphysics Simulation Workshop

Centre for Nano Science and Engineering (CeNSE), IISc is delighted to announce an online workshop, "COMSOL Multiphysics Simulation", from 3rd to 4th Oct 2022, in partnership with COMSOL, under the MeitY, Govt. of India initiative, the Indian Nanoelectronics Users' Programme (INUP). INUP was started in 2008 by IITB and IISc, with support from the Ministry of Electronics & Information Technology, in order to nurture the semiconductor and nanoelectronics ecosystem in India through broad-based training. Today, it is run by a network of six leading institutes across the country, under the name INUP-i2i.

The widespread applications of semiconductor technology can only be realized with an intensive analytical and modelling studies to optimize various parameters and tune the functionality to desired attributes. COMSOL Multiphysics is a cross-platform finite element analysis, solver and multiphysics simulation software. It can be used to model and simulate a system for electrical, mechanical, fluid, acoustics, and chemical applications with versatile and customizable modules. This workshop will train the participants in COMSOL FEA simulation basics and give a hands-on session on building a MEMS sensor using COMSOL Multiphysics.

Online applications are invited from interested researchers in academia and industry for participation in this workshop. It is aimed to equip participants to extend their learnings from workshop to build models and simulations of their interest of application.

Workshop Outline

- **Session 1:** Introduction to COMSOL Multiphysics – Basics
- **Session 2:** Best practices for COMSOL simulations with case study from Structural Mechanics module
- **Session 3:** Multiphysics Piezo-electric simulations
- **Session 4:** Multiphysics Capacitive sensing simulations

Registered Participants will be given meeting link prior to workshop and a 14-day COMSOL Multiphysics trial license for the hands-on session.

Important Dates

Registration Deadline: 15th Sep, 2022

Registration Confirmation: 20th Sep, 2022

Workshop Dates: 3rd Oct & 4th Oct, 2022

Limited Seats!!

Use link below or scan QR
for registration

<https://forms.gle/kydaAYV8FCHbwFzm8>



Organising Committee

- Prof. Saurabh Arun Chandorkar
- Prof. Akshay Naik
- Deepali Shewale

