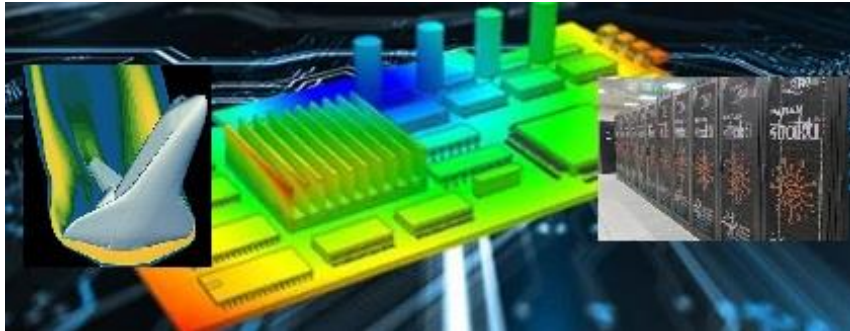


Online Workshop on High Performance Computing in Engineering

October 21-22, 2021

Organized by IIT Kharagpur and Ansys
Under the aegis of National Supercomputing Mission



About the Workshop:

Use of High Performance Computing (HPC) in engineering computations allows simulations to be bigger, more complex and more accurate than ever. The workshop aims to cover different aspects relevant for using HPC to solve large-scale problems in several areas as structural analysis, computational fluid dynamics, electronics and optics. Basics of different computational techniques as well as advanced case studies for use of HPC will be presented.

Program:

- Opening Address, Director, IIT Kharagpur
- Introduction to HPC
- Overview of FEM
- HPC in Scientific Computing
- Overview of CFD
- Overview of Optical Simulation
- Debunking HPC Myths & Best Practices to Adopt
- Case studies - Structural application
- Case studies - Electronics application
- Case studies - Fluid dynamics application
- Case studies - Optical simulation

Speakers:

Ashish Kuvelkar, C-DAC
Avinash Padmappa, Ansys
Bhanu Gupta, Ansys
Kapil Debnath, IIT Kharagpur

Workshop Links:

[Online Registration Form](#)

Webpage:

www.ccds.iitkgp.ac.in/hpcfem.html

Contact email: ccdsffi@ccds.iitkgp.ac.in

Important Dates:

Last date for registration: *October 15, 2021, 5:00PM*
(Registration may close earlier, if capacity is reached. Early registration is recommended.)

Notification and sharing of link: *October 17, 2021*

Who should attend:

Scientists, Industry Professionals, Faculty Members, Postdoctoral Fellows, Doctoral, UG/PG Students

Organizing Committee:

Abhimanyu Singh, Ansys
Aroop Tyagi, Ansys
Ashish Kuvelkar, CDAC
Rajaram Lakkaraju, IIT Kharagpur
Somnath Roy, IIT Kharagpur

Nijas Kunju, Ansys
Rabiun Sunny, IIT Kharagpur
Rajaram Lakkaraju, IIT Kharagpur
Santhosh M, Ansys
Wim Slagter, Ansys

