HPC Software Workshop

(9th December 2022)

Online Mode

Organized by

Centre for Development of
Advanced Computing, Bengaluru, India
and
Indian Institute of Technology, Kharagpur

Agenda:

	Topic	Speaker
10:00 – 10:10	Welcome address	Shri RK Senthil Kumar, Associate Director & HoD, SSDG, C-DAC Bengaluru
10:10 - 10:20	Inaugural address	Dr. S. D. Sudarsan, Executive Director, C-DAC Bengaluru
10:20 – 10:50	About NSM/HPC Overview	Shri Sanjay A Wandhekar, Senior Director, HoD HPC Tech group, C-DAC Pune
10:50 - 11:40	Architecture of HPC clusters & Job submission	Mr. P. Soundararajan, SDOS, C-DAC Bengaluru
11:40 - 12:15	Introduction to Parallel programming	Ms. Deepika H V, SSDG, C-DAC Bengaluru
12:15 – 13:15	Programming with OpenMP	Ms. Megha K R, SSDG, C-DAC Bengaluru
13:15 – 14:00	Lunch Break	

14:00 – 14:45	**C**DAC **A**utomatic **P**arallelizing **C**ompiler (CAPC) - Presentation and Demonstration	Ms. Prachi Pandey, SSDG, C-DAC Bengaluru
14:45 – 15:30	**Para**llel **D**evelopment **E**nvironment (ParaDE) - Presentation and Demonstration	Ms. Deepika H V, SSDG, C-DAC Bengaluru
15:30 - 16:15	Other products (HPC Profiler, Suparikshan, Sumegha, HPC Dashboard)	1. Mr. Shamjith K V, C-DAC Blr 2. Ms. Deepika H V, C-DAC Blr 3. Mr. Vineeth Simon Arackal, C-DAC Blr
16:15 – 16.45	User experience on PARAM Shakti	1. Prof. Sankha Mukherjee, Dept. of Metallurgy, IIT Kgp 2. Mr. Vibhuti Bhushan Jha, Ph.D Student, Dept. pf Physics, IIT Kgp 3. Mr. Abhisek Sharma, Ph.D Student, Dept. of Chemical Engg.
16:45 – 17:00	Closing remarks	Prof. Pabitra Mitra, HOC, Center for Computational and Data Sciences, IIT Kharagpur