

Workshop on Parallel Programming and Supercomputer 2019

10 – 12th Feb, 2019

There is **NO** registration fee for this workshop. However, travel, lodging and food are students' responsibility.

Program Schedule

Day 1: Sunday, 10 Feb (Block 6, Seminar Hall)

09:00 → 09:30 Registration: Registration of All Participants

09:30 → 11:00 Lecture: Introduction to Supercomputer, how to access and use

11:00 → 12:00 Lunch Break, walk to Kathmandu University IT Park

(Kathmandu University IT Park, Seminar Hall, 4th floor)

12:00 → 13:00 Field Survey of HPC Facility: Guided tour of the HPC Facility and building of HPC

13:00 → 13:30 Refreshments: Tea/Coffee

13:30 → 15:30 Lecture: Parallel Programming using MPI.

Day 2: Monday, 11 Feb (Block 6, Seminar Hall)

09:00 → 09:30 Refreshments: Tea/Coffee

09:30 → 11:30 Hands-on Session: Parallel programming on C and FORTRAN using MPI

11:30 → 12:30 Lunch Break

12:30 → 14:30 Hands-on Session: MPI Applications, matrix calculations and Monte Carlo integration

14:30 → 15:00 Refreshments: Tea/Coffee

15:00 → 16:00 Hands-on Session: Data visualizations using open source packages

Day 3: Tuesday, 12 Feb (Block 6, Seminar Hall)

09:00 → 09:30 Refreshments: Tea/Coffee

09:30 → 11:00 Lectures: Introduction to Graphics Processing Unit and CUDA Programming

11:00 → 12:00 Lunch Break

12:00 → 14:00 Hands-on Session: CUDA programming with C/C++

14:00 → 14:30 Refreshments: Tea/Coffee

14:30 → 16:00 Career session: Opportunities and challenges in higher education.

Note:

1) Application deadline: **Wednesday, 6th Feb, 2019 (10:00 PM sharp)**

2) Selection notification: Friday, 8th Feb, 2019