



# GPU BOOTCAMP

## N-WAYS to GPU Programming

### Day 1: Lectures + Labs

- Introduction to GPU Computing
- Accelerating Standard C++ and Fortran with GPUs
- Directive Based Programming with OpenACC
- CUDA C/Fortran Programming
- Libraries and Frameworks :
  - Molecular Dynamics, QC
- Gromacs, LAMMPS, Quantum Espresso (QE)

### Day 2: Bring your own application:

Users bring their own application and get mentorship to selected few team

31st May & 1<sup>st</sup> June 2023

Venue : SERC 4th floor Auditorium

Time : 10:00AM - 5:00PM

Registration

Workshop on GPU programming at SERC intended to encourage potential users working on Nvidia GPUs to understand the GPU system architecture and use standard packages and parallel codes.



Registration Link:

<https://forms.office.com/r/GZkETdK3Ni>

Last date of Registration : 21<sup>st</sup> May 2023