DEMOCRATISING ACCELERATED COMPUTING WITH oneAPI

DATE: 08TH JUNE, 2023 (THURSDAY) | **TIME:** 09:30 AM - 04:30PM

VENUE: SERC AUDITORIUM, 4TH FLOOR, IISC, BANGALORE

This workshop is targeted for HPC users where they will be introduced to heterogeneous computing using Intel® GPU's and SYCL programming. Attendees will learn about oneAPI, its components, usage of compatibility tool to migrate from CUDA to SYCL source, usage of Intel® oneAPI DevCloud and SYCL programming details.

Attendees are required to pre-register with **Intel® oneAPI DevCloud (https://devcloud.intel.com/oneapi/)** before the workshop to be able to carry out hands-on exercises during the sessions.

AGENDA

Topic	Presenter
Keynote	**Alexis Crowell** VP & GM for HPC/AI, Technical Resources SMG - Asia Pacific, Intel®
Intel® oneAPI overview	**Vinutha S V** Sr. Technical Consulting Engineer, Intel®
Intel® Data Center GPU Max series overview	
Getting started with the Intel® oneAPI DevCloud	
Introduction to SYCL concepts • Introduction to SYCL Programming • Program structure • Buffers & Accessors • Unified Shared Memory • Sub-Groups • Intel® oneAPI DPC++/C++ Compiler • Hands on lab	**Subarnarekha Ghosal** Technical Consulting Engineer, Intel®
Break	
Introduction to Intel® DPC++ Compatibility Tool (DPCT) • DPCT Usage • Hands on with DPCT using sample code • GPU performance case study	**Vinutha S V** Sr. Technical Consulting Engineer, Intel®
Q&A BYOC planning	

Registration closes on 06th June, 2023

Register: https://shorturl.at/kloPR

SCAN QR CODE **FOR REGISTER**