

# Introduction to GPUs course

Stockholm/Zoom, September - October, 2023

A practical course presented by PDC in collaboration with ENCCS, HPE and AMD

PDC Center for High Performance Computing, KTH Royal Institute of Technology, Sweden

# Homework

The two onsite days are three weeks from now. We encourage you to

- work through the remaining shorter exercises for HIP, SYCL, OpenMP,
- think about how you would like to implement Himeno in chosen framework at onsite days,
- optional: think about how you would like to implement your own algorithm in chosen framework.

Questions and answers can be posted on the course HackMD page, and on the Slack board.

# Himeno benchmark

- A benchmark to evaluate performance of incompressible fluid analysis code.  
Written by Ryutaro Himeno, Riken
- [Webpage for Himone benchmark](#)

## Homework on Himeno

- Start from the [serial Himeno code](#)
- Think about how to implement Himeno in HIP, SYCL, or OpenMP at onsite days.
- Template solutions [in HIP, SYCL, and OpenMP](#) But do not look there yet!