

BSC Training Course: Introduction to OpenACC

Objectives

This is an expansion of the topic "OpenACC and other approaches to GPU computing" covered on last years editions of the Introduction to CUDA Programming. This course is delivered by the GPU Center of Excellence (GCOE) awarded by NVIDIA to the Barcelona Supercomputing Center (BSC) in association with Universitat Politècnica de Catalunya (UPC). It will provide very good introduction to the PUMPS Summer School run jointly with NVIDIA - Further information on the 2024 PUMPS Summer school will follow soon. As an NVIDIA GPU Center of Excellence, BSC and UPC are deeply involved in research and outreach activities around GPU Computing. OpenACC is a high-level, directive-based programming model for GPU computing. It is a very convenient language to leverage the GPU power with minimal code modifications, being the preferred option for non computer scientists. This course will cover the necessary topics to get started with GPU programming in OpenACC, as well as some advanced topics.

Requirements

Level: BEGINNERS: for trainees from different background or very little knowledge.

Speakers

Antonio Peña, Accelerators and Communications for High Performance Computing Group Manager, Computer Sciences, BSC

Academic Staff

Image not found or type unknown



Course convener: Antonio Peña, Accelerators and Communications for High Performance Computing Group Manager, Computer Sciences, BSC

Lecturers: Marc Jordà, Leonidas Kosmidis, Antonio J. Peña, Accelerators and Communications for High Performance Computing Group, Computer Sciences, BSC

Materials

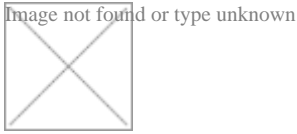
Image not found or type unknown



The relevant materials will be made available to the participants during the course. **INTELLECTUAL PROPERTY RIGHTS NOTICE:**

- The User may only download, make and retain a copy of the materials for his/her use for non-commercial and research purposes.
- The User may not commercially use the material, unless has been granted prior written consent by the Licensor to do so; and cannot remove, obscure or modify copyright notices, text acknowledging or other means of identification or disclaimers as they appear.
- For further details, please contact BSC's CNS patc@bsc.es

[Further information](#)



BSC Training Courses do not charge fees.

NOTE: PLEASE BRING YOUR OWN LAPTOP.

[CONTACT US](#) for further details about MSc, PhD, Post Doc studies, exchanges and collaboration in education and training with BSC.

For further details about Postgraduate Studies in UPC - Barcelona School of Informatics (FiB), visit the [website](#).

Sponsor: BSC

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

Source URL (retrieved on 23 Nov 2024 - 11:06): <https://www.bsc.es/es/education/training/bsc-training/bsc-training-course-introduction-openacc>