

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 - In the following link, you will find more information about the [PUMPS Summer School 2025](#).

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.

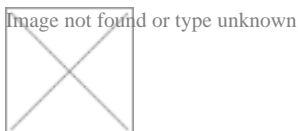
Requirements

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

Speakers

Antonio J. Peña, Marc Jordà, Oscar Amoros, Accelerators and Communications for High Performance Computing Group, Computer Sciences, BSC

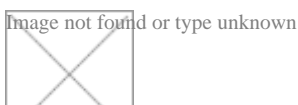
Academic Staff



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

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

Materials

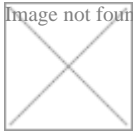


The relevant materials will be made available to the participants during the course. **INTELLECTUAL PROPERTY RIGHTS NOTICE:**

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[Further information](#)

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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

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