[HYBRID] 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 Politecnica de Catalunya (UPC). It will provide very good introduction to the PUMPS Summer School run jointly with NVIDIA - Further information on the 2023 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.
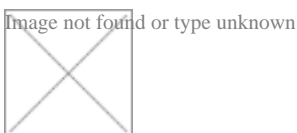
Requirements

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

Please download and carefully read the following **instructions** regarding the logistics participants enrolling online PATC at BSC are expected to follow.

Speakers

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

[Academic Staff](#)

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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
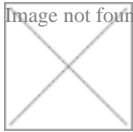
[Materials](#)

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

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• For further details, please contact BSC?CNS patc@bsc.es

[Further information](#)

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All PATC Courses at BSC do not charge fees.

In the context of virtual meetings, the Organiser may facilitate live webstreaming and audio recording. You have the option to opt out of inclusion in recordings by contacting our [Education&Training](#) team.

[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](#)

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