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[ONLINE] PATC Systems Workshop: Programming MareNostrum 4

Objectives

The objective of this course is to present to potential users the new configuration of MareNostrum and a introduction on how to use the new system (batch system, compilers, hardware, MPI, etc).Also It will provide an introduction about RES and PRACE infrastructures and how to get access to the supercomputing resources available.

Requirements

Prerequisites: Any potential user of a HPC infrastructure will be welcome.
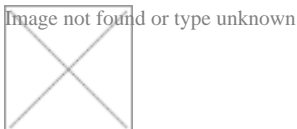
Basic technical requirements: Laptop with access to the inthernet, zoom & ssh/putty

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

Learning Outcomes

The students who finish this course will know the internal architecture of the new MareNostrum, how it works, the ways to get access to this infrastructure and also some information about optimization techniques for its architecture.

Academic Staff

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Course Conveners: David Vicente, User Support Manager, Operations, BSC and Jorge Rodriguez, Operations Senior HPC Support, BSC

Lecturers:

David Vicente, User Support Manager, Operations, BSC

Javier Bartolomé, Head of Systems Administration, Operations, BSC

Félix Ramos, First Level User Support, Operations, BSC

Ricard Zarco, First Level User Support, Operations, BSC

Laia Julió, Support Applications Consultant, Operations, BSC

Helena Vela, Support Applications Consultant, Operations, BSC

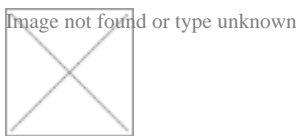Jorge Rodríguez, Senior HPC Support, Operations, BSC

Cristian Morales, PRACE HPC Support and Applications Consultant, Operations, BSC

Óscar Hernández, Support Applications Consultant, Operations, BSC

Joan Vinyals, First Level User Support, Operations, BSC

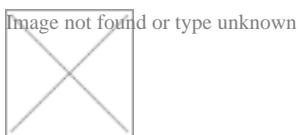Jordi Mas, Operations Project Officer, Operations, BSC

[Materials](#)

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https://www.bsc.es/support/PATC-MareNostrum4/2019

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[Further information](#)

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All PATC Courses at BSC do not charge fees.

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.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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