

## BSC Training Course: Programming of Petaflop Machine: MareNostrum5

### Objectives

**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 infrastructures and how to get access to the supercomputing resources available.

### Requirements

**Prerequisites:** Any potential user of a HPC infrastructure will be welcome

### Speakers

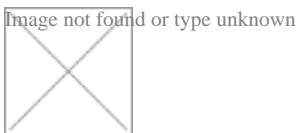
**Convener:** David Vicente, User Support Manager, Operations, BSC

**Lecturers:** David Vicente, Javier Bartolomé, Gaurav Saxena, Trevor Hall, Ziyad Albanoby, Raúl Fuentes, Laia Julió, Jon Navarro, Maria Velez de Villa, Ting-Chun Huang, Victor Suarez and Wenceslao Chiodi

### 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.

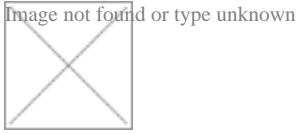
#### Academic Staff



**Course Convener:** David Vicente

**Lecturers:** David Vicente, Javier Bartolomé, Jorge Rodríguez, Carlos Tripiana, Oscar Hernandez, Félix Ramos, Cristian Morales, Francisco González, Ricard Zarco, Helena Gómez, Pablo Ródenas, Gaurav Saxena y Maicon Faria.

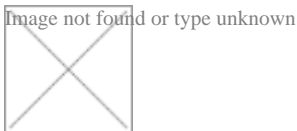
## Materials



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## 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.

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