

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, Jorge Rodríguez, Carlos Tripiana, Oscar Hernandez, Félix Ramos, Cristian Morales, Francisco González, Ricard Zarco, Pablo Ródenas, Gaurav Saxena y Maicon Faria.

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

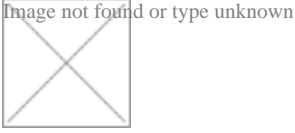
Image not found or type unknown



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.

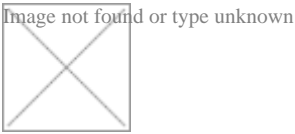
Materials



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?CNS patc \[at\] bsc \[dot\] es](mailto: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](#).

Sponsors: BSC and EUROCC

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

Source URL (retrieved on 12 Abr 2024 - 23:10): <https://www.bsc.es/es/education/training/bsc-training/bsc-training-course-programming-petaflop-machine-marenostrom5>