PRACE Summer of HPC: fancy spending your summer in Barcelona learning HPC?

In the fourth PRACE Summer of HPC, BSC is hosting two students as part of this programme: Sofia Kypraiou, from Greece and Marco Forte from Ireland. During July and August, the research projects to be developed in Barcelona are:

Research Project	Mentor	Student
Development of sample application in PyCOMPSs/COMPSs	Rosa M. Badia Daniele Lezzi	Marco Forte
Visualization data pipeline in PyCOMPSs/COMPSs	Fernando Cuchietti Guillermo Marin	Sofia Kypraiou

Both students will learn how to program applications using the PyCOMPSs/COMPSs programming model and how to execute them in parallel in clusters and clouds. The applications will implement pipelines of feature extraction and classification and will be applied to databases of music tracks and images. The students will produce a visualization of their data at the end of the process.

The PRACE Summer of HPC is an example of one of the variety of education and mobility activities carried out at BSC. Following its mission to become an educational centre of excellence, BSC provides training and professional opportunities to students, researchers and industry (Master's degrees, PhDs, workshops, etc.). Please visit our HPC Education and Training page for more information.

About the PRACE Summer of HPC

The PRACE Summer of HPC is a PRACE outreach and training programme that offers summer placements

at top HPC centres across Europe to late-stage undergraduates and early-stage postgraduate students. Up to twenty top applicants from across Europe will be selected to participate. Participants will spend two months working on projects related to PRACE technical or industrial work and produce a report and a visualization or video of their results.

The programme runs from 4 July to 31 August 2016, with a kick-off training week at Juelich Supercomputing Centre attended by all participants. Flights, accommodation and a stipend will be provided to all successful applicants. Two prizes will be awarded to the participants who produce the best project and best embody the outreach spirit of the programme.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación