



**Barcelona
Supercomputing
Center**

Centro Nacional de Supercomputación

Welcome to PATC Heterogeneous Programming

Rosa M. Badia, Xavier Martorell, and Xavier Teruel



Barcelona, May 22nd 2019

<https://pm.bsc.es/ftp/training/patc-may2019>

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Speakers and assistants



- **Xavier Martorell**, Parallel Programming models group leader at BSC
- **Xavier Teruel**, HPC Application Engineer at BSC
- **Kevin Sala**, Runtime systems for parallel programming models developer at BSC
- **Toni Navarro**, Runtime systems for parallel programming models developer at BSC



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DAY 1 (May 22nd) 09.30 am – 17:30pm

- 09.30h – 11.15h **Introduction to OmpSs**
- 11.15h – 11.30h Coffee break
- 11.30h – 13.00h **OmpSs single node programming hands-on**
- 13.00h – 14.00h Lunch Break
- 14.00h – 15.00h **More on OmpSs: GPU/CUDA programming**
- 15.30h – 15.45h Coffee break
- 15.45h – 17:30h **OmpSs single node programming hands-on with GPUs (*)**

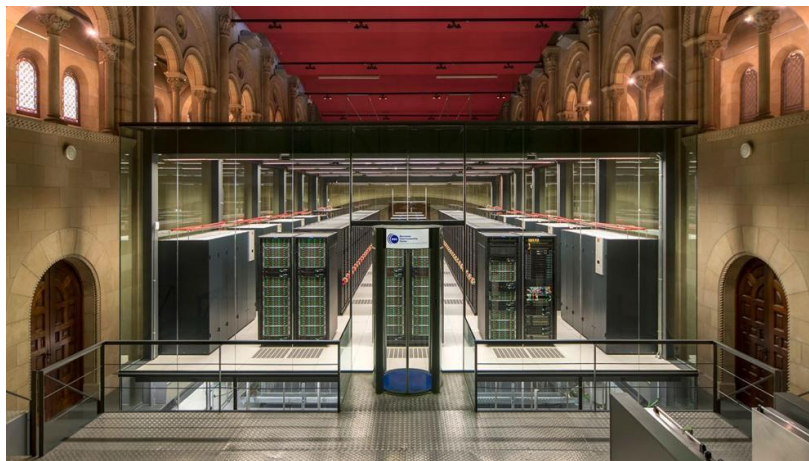
DAY 2 (May 23rd) 09.30am – 17:30pm

- 09.30h – 10.00h **Introduction to MPI/OmpSs**
- 11:15h – 11.30h Coffee break
- 11.30h – 13.00h **MPI/OmpSs hands-on (*)**
- 13.00h – 14:00h Lunch Break
- 14.00h – 15:30h **Parallelization support with Parallware**
- 15.30h – 15.45h Coffee break
- 15.45h – 17:30h **Free hands-on session**

Visiting Marenostrom IV

Anyone interested? (We can organize a visit)

— Wednesday, May 22nd at 14:00h





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Thank you!

For further information please contact

<https://pm.bsc.es>

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Barcelona, May 22nd 2019