Distributed Multiscale Computing

Call for Participation to the 2013 Summer School

The MAPPER project and the Barcelona Supercomputing Center are organizing the 2013 Summer School on Distributed Multiscale Computing. The Summer School has a special focus on developing and deploying multiscale applications for and across European e-infrastructures. The school aims at giving researchers the opportunity to interactively learn about the core topics in this interdisciplinary field from experts, and to build a respective network of international contacts.

The summer school will take place from June 3rd until June 4th 2013 at the Barcelona Supercomputing Center – two days before the International Conference on Computational Science (ICCS) and its Workshop on Modeling and Computing Multiscale Systems (MCMS).

The school features lectures and hands-on trainings from and under the guidance of expert speakers from industry, academia and related EU-funded projects.

For more information see http://www.mapper-project.eu.

Scientists and engineers are commonly faced with the challenge of modeling multiscale systems which cross scientific disciplines and where several processes acting at different scales coexist and interact. Such multidisciplinary multiscale models require large scale or even extreme scale computing capabilities.

The objective of this summer school is to educate researchers from various application areas about specific competences on multiscale modeling and distributed multiscale computing. The school is thus a perfect amendment to the International Conference on Computational Science (ICCS) and its Workshop on Modeling and Computing Multiscale Systems (MCMS) to be held from June 5th to June 7th 2013 in Barcelona.

The summer school follows up the first school held in the beginning of February 2012 in London. It will feature well-known international experts as instructors from the MAPPER project, the ScalaLife project, the MMM@HPC project, and the DRIHM project.

If you want to understand how to develop multiscale applications and how to run them on European e-infrastructures under the guidance of expert instructors and tutors or if you are excited about an inspiring, interdisciplinary, and problem based learning environment, then please consider participating at the summer school by emailing a letter of interest that briefly indicates your motivation, previous experience with multiscale applications and the expectations you have of the school. Please send this letter to summerschool@mapper-project.eu latest by Friday, May 24th 2013. A maximum of 50 participants will be notified by May 27th 2013.

Attending the training sessions of the summer school is free of charge, including lecture notes, lunches and coffee breaks. Travel and accommodation will not be covered by the organizers. The program of the school is available at http://www.mapper-project.eu.

The summer school is supported by: