SIESTA school by the European Centre of Excellence MaX

Objectives

This SIESTA school, organized within the European Centre of Excellence MaX, is a four-day hands-on tutorial on the use of the SIESTA code, aimed at students and researchers from different disciplines who already use, or plan to use, SIESTA in their work and who would like to understand its essential foundations and to learn how to apply the code effectively.

The course will briefly explain the theory behind electronic structure calculations and DFT, and show
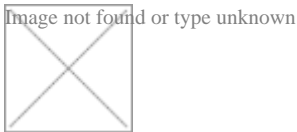
standard tasks implemented in many DFT codes, but also cover topics which are more specific to SIESTA.

- The level of this school is basic-intermediate, and just a few advanced topics will be covered
- The tutorial will consist of "theory" lectures followed by "how-to" and practical "hands-on" sessions.

Requirements

- Some basic knowledge of quantum mechanics, solid-state physics, and statistical physics will be assumed, along with basic knowledge of UNIX.
- **Please bring your laptop in order to be able to participate in all activities.**

[Academic Staff](#)

Convener: Stephan Mohr, Computer Applications for Science and Engineering Department, BSC

Academic Staff:
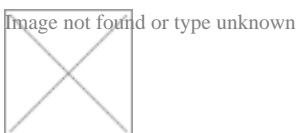
Alberto García

Roberto Robles

Ramón Cuadrado

Stephan Mohr

Marivi Fernández-Serra

Andrei Postnikov

Pablo Ordejón

[Further information](#)

Recommended Accomodation: Please follow [the link](#) for map of some local hotels.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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