WSCS 2008

WINTER SCHOOL ON COMPUTATIONAL SCIENCE

January 7–11, 2008

The University of Texas at El Paso

Scope:

This winter school is focused on graduate and Ph.D. students. In several short courses it provides a concise, and yet systematic introduction to key aspects of computational modeling such as meshing, discretizations, solvers, and advanced applications. Theoretical part of the School will be accompanied by several hands-on training sessions.

Topics:

* Mesh generation and mesh quality
* Homological methods, compatible discretizations
* Mimetic finite difference methods
* Adaptive higher-order finite element methods
* Discontinuous Galerkin methods
* Research projects in academia and national labs

Keynote lecturers:

* Pavel Bochev (Sandia National Lab, Albuquerque)
* Bernardo Cockburn (University of Minnesota)
* Kevin Long (Sandia National Lab, Livermore)
* Mikhail Shashkov (Los Alamos National Lab)
* Pavel Solin (University of Texas at El Paso)
* Tim Tautges (Argonne National Lab)

Financial support:

Limited funds are available to cover registration fee, travel, and accommodation for U.S. students.

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