

## **Report on the SIAG/LA International Summer School on Numerical Linear Algebra**

This is a report on the SIAG/LA-SIMUMAT International Summer School on Numerical Linear Algebra (ISSNLA) which took place at the Centro Internacional de Encuentros Matematicos (CIEM) in Castro Urdiales (Spain), July 21-25, 2008.

This first ISSNLA was jointly organized by SIAG/LA and SIMUMAT. SIMUMAT (Mathematical Modeling and Simulation in Science and Technology) is a Spanish Research Project funded by the Government of the State of Madrid that involves four Universities and Research Centers from Madrid.

The local organizing committee consisted of

- Blanca Ayuso, (SIMUMAT-Universidad Autónoma de Madrid)
- Miguel Angel Benítez, (Administrator Manager of SIMUMAT)
- Froilán M. Dopico, (SIMUMAT-Universidad Carlos III de Madrid)
- Alberto Ibort, (SIMUMAT-Universidad Carlos III de Madrid)
- Juan Manuel Molera, (Universidad Carlos III de Madrid)
- Julio Moro, (Universidad Carlos III de Madrid)

Three members of this committee (Ayuso, Dopico, and Molera) attended the ISSNLA, and took care of the local details.

Four courses were given,

- Krylov subspace methods for solving linear systems  
Michael Eiermann (Technische Universität Bergakademie Freiberg)
- Matrix methods in data mining  
Lars Eldén (Linköping University)
- Mechanics and linear algebra  
Richard B. Lehoucq (Sandia National Laboratories)
- Structured eigenvalue problems: modern theory and computational practice  
David S. Watkins (Washington State University)

Fifty graduate students from 18 countries attended the school.

The country distribution is as follows:

Belgium 2, Brazil 1, Canada 5, Czech Republic 4, Croatia 3,  
Germany 9, Ireland 1, Italy 2, Japan 1, Lithuania 1, Norway 1,  
Russia 1, Slovenia 1, Spain 10, Turkey 1, UK 1, USA 5, Venezuela 1.

We should mention that in fact, there were 75 applications. The local organizers together with the steering committee organized the admissions process. The decision was to admit only graduate students, and not people who had already a degree. With very few exceptions, all admitted students attended.

Most students shared hotel rooms. Lunches were covered by the School, and everyone had their long lunch together.

By all accounts the school was a great success. The lecturers and students reported a high level of satisfaction with the school. In particular, students were very enthusiastic both in terms of the lecturers, the courses, the location, and on the camaraderie among the diverse students attending.

We will soon start to plan the 2010 summer school.