

# Coming Events

## **Elementary Geometry from an Advanced Point of View**

Universidade de Aveiro  
01–02 September 2011

The aim of this conference is to present several contemporary perspectives on Geometry including, among others, talks on visualization, applications and surveys, both at elementary and more advanced levels. The goal of this meeting, promoted by CIM in collaboration with CIDMA/Univ. Aveiro, CMAT/Univ. Minho and CMAF/Univ. Lisboa, is to contribute to the current international reflection on the ICMI/IMU Klein Project concerning central topics on Geometry, its contents, interdisciplinary connections and approaches for the teaching of this mathematics discipline at senior secondary school and first years at University level.

Organisers: Ana Breda (U. Aveiro), Chair, Ana Pereira do Vale (U. Minho), Tomas Recio (U. Cantabria), Eugénio Rocha (U. Aveiro), José Francisco Rodrigues (U. Lisboa).

## **NOMA'11: International Workshop on Nonlinear Maps and their Applications**

Évora  
15–16 September 2011

In the field of Dynamical Systems, nonlinear iterative processes play an important role. Nonlinear mappings can be found as immediate models for many systems from different scientific areas, as Engineering, Economics, Biology, or can be obtained via numerical methods permitting to solve non-linear differential equations. In

both cases, the understanding of specific dynamical behaviours and phenomena is of the greatest interest for scientists. This workshop is opened for theoretical studies as well as for applications. We hope that the interaction and the knowledge exchange between Mathematicians, Physicists, Engineers, and other specialists from Nonlinear Sciences will be very fruitful and will give rise to new developments in this area. We invite to present contributions in the fields of Biology, Economics, Electronics, Engineering, Telecommunications, besides more fundamental lectures.

## **Intelligent Data Analysis Analyzing and Understanding Complex Systems**

Porto  
21–31 October 2011

When the biennial IDA Symposium series started in 1995, it focused on the problem of end-to-end intelligent support for data analysis. IDA 2011 will refocus on an important and still emerging class of problems: modeling and analyzing complex, dynamical systems such as economic systems, gene regulatory networks, social networks, systems of natural resources, and cognitive systems. The Symposium seeks “first look” papers that might elsewhere be considered preliminary but contain potentially high impact research. The IDA Symposium is open to all kinds of modeling and analysis methods, irrespective of discipline. It is expected to be an interdisciplinary meeting that seeks abstractions that cut across domains. IDA2011 welcomes papers that focus on dynamic and evolving data, models, and structures.