



# Coming Events



## **2015 Workshop — Dynamical Systems Applied to Biology and Natural Sciences**

Feb, 04–06, 2015

Centro de Matemática e Aplicações Fundamentais (CMAF),  
Lisbon University, Portugal  
<http://dsabns2015.fc.ul.pt/>

## **Sixst Workshop Dynamical Systems Applied to Biology and Natural Sciences**

The workshop has both theoretical methods and practical applications and the abstracts included in the program will cover research topics in population dynamics, eco-epidemiology, epidemiology of infectious diseases, molecular and antigenic evolution and methodical topics in the natural sciences and mathematics.

The program includes lectures by the invited speakers, contributed talks and poster session by the participants. The workshop does not charge registration fee.

Participants are kindly requested to register at  
[http://dsabns2015.fc.ul.pt/inscricao\\_frame.html](http://dsabns2015.fc.ul.pt/inscricao_frame.html)  
by January 31 2014

### **Workshop organizers**

**María Aguiar**, Lisbon University  
**Jesus Vigo-Aguiar**, Universidad de Salamanca  
**Boob Koi**, Vrije Universiteit Amsterdam  
**Luis Mateus**, Lisbon University  
**Nico Stollenwerk**, Lisbon University  
**Ezio Venturino**, Turin University



### **109nd European Study Group with Industry 2012**

May, 11–15, 2015

School of Engineering—University of Minho,  
Guimarães—Portugal

<http://www.norg.uminho.pt/esgi/home.htm>

The 109th European Study Group with Industry, will take place from May 11th to May 15th, 2015, at the Department of Production and Systems of the School of Engineering, University of Minho. These meetings were created with the objective of renovating and reinforcing the links between Mathematics and Industry.

This meeting is part of the series of European Study Groups and will count with the participation of several European experts with a large experience in this type of events.

More information on study groups and related aspects is available at the International Study Groups website, the Smith Institute and the European Consortium for Mathematics in Industry.

### **Study group**

At the beginning of the week, a representative from each company presents their industrial problem to the participating mathematicians. The academic participants, who are a diverse group of people with expertise in the mathematical sciences, including PhD students, postdoctoral fellows, and professors, allocate themselves to a group, each of which works in one of the proposed problems with the industrial partner. The work will be developed full-time over the next days. On the last day, each group will make a presentation of the results obtained and make suggestions for further work. After the study group, a report on each problem will be sent to the corresponding firm. Apart from the results obtained during the study group, this may contain suggestions for further collaboration.

### **Information for companies**

If you think that your company might have something to gain from discussing a problem with us, do not hesitate to do so. We will be more than happy to visit you, at no cost and without any need for an immediate commitment, for an initial discussion about formulating such a problem. Almost all industrial problems have some mathematical aspect to them, although the mathematics is not always recognisable at first. Indeed, from our own experience, some of the most successful study group problems were not well-defined in mathematical terminology at the start of the study group.

The fee for a firm to present a problem at the study group will depend on the size of the enterprise as defined by the EU

### **Organizers**

**Senhorinha Teixeira** [DPS-EENG-UMINHO]

**Adérito Araújo** [LCM-CMUC]

**A. Ismael F. Vaz** [DPS-EENG-UMINHO]

**Manuel Cruz** [ISEP-IPP and LEMA]

**Rui Pereira** (DMA-EC-UMINHO)

**Pedro Freitas** [FMH-UL and GFM-UL]