

SECOND ANNOUNCEMENT

5th PH.D. SUMMER SCHOOL - CONFERENCE ON “MATHEMATICAL MODELING OF COMPLEX SYSTEMS”



In the framework of the European research and training activities in Complexity Science, we announce the 5th Ph.D. School-Conference on “Mathematical Modeling of Complex Systems” as follows:

Time: 20 – 30 July, 2015

Location: University of Patras Conference Center (<http://www.confer.upatras.gr>)

Webpage: <http://www.math.upatras.gr/~phdsch15>

This is the next in a series of events that started at the University of Patras, Greece, in July, 2011 (see <http://www.math.upatras.gr/~phdsch11>) and continued at the University of Pescara, Italy, July, 2012 (see <http://www.nodycosy.unich.it>), July, 2013 at the Technological Educational Institute of Crete, Heraklion, Greece (see <http://nlsconf2013.physics.uoc.gr>) and July at the “Kritiki Estia” in Athens, Greece (see <http://nlsconf2014.physics.uoc.gr>)

This Ph.D. School is intended for postgraduate students primarily from European countries (but students from other countries are also invited to apply) and offers four coherent lecture modules, taught by experts in each field, on:

I. Fundamental Concepts of Complexity

G. Nicolis (Brussels), C. Grebogi (Aberdeen), G. Casati (Como), V. Basios (Brussels)

II. Global Systems Science and Complex Networks

A. Barrat (Marseille), J. Johnson (London), A. Provata (Athens), M. Boudourides (Patras)

III. Complex Physical and Chemical Systems

I. Procaccia (Rehovot), H. Skokos (Cape Town), G. Tsironis (Heraklion), M. G. Velarde (Madrid), L. Vlahos (Thessaloniki), J. P. v.d. Weele (Patras), Y. Kevrekidis (Princeton), M. Robnik (Maribor)

IV. Complexity in Biological and Social Sciences

*A. Bezerianos (Patras), E. Schöll (Berlin), P. Tass (Jülich), A. S. Fokas (Cambridge), A. Carbone (Torino)
J. - L. Deneubourg (Brussels),*

Scientific Organizing Committee: Prof. Jeff Johnson (British Open University), Prof. Giulio Casati (University of Insubria, Como), Prof. Manuel G. Velarde (Complutense University of Madrid), Assoc. Prof. Angela de Sanctis (University of Chieti – Pescara, Italy), Dr. Astero Provata (NCSR Demokritos, Athens). Prof. Giorgos Tsironis (University of Crete and FORTH, Heraklion), Prof. Tassos Bountis (University of Patras), Prof. Tassos Bezerianos (National University of Singapore/University of Patras).

Local Organizing Committee: Dr. Astero Provata (NCSR Demokritos, Athens). Prof. Giorgos Tsironis (University of Crete and FORTH, Heraklion), Prof. Tassos Bountis (Chairman, University of Patras), Dr. Ioanna Hitzanidi, Dr. Helen Chriistodoulidi, Dr. George Kanellopoulos, Evelyn Panagakou and Vassilis Kanas.

HOW TO APPLY:

Postgraduate or advanced undergraduate students aiming to obtain a Master's or Ph.D. degree in any scientific area involving complex systems are invited to apply to **Prof. Tassos Bountis**, at tassos50@otenet.gr or **Dr. Astero Provata**, at aprovata@chem.demokritos.gr. Each applicant is asked to submit a CV, including a transcript of grades obtained in his/her undergraduate studies, as well as a personal statement explaining why the School will be useful to his/her current studies, including names and contact information of two referees.

Based on the above information, the Scientific Organizing Committee will select 35 - 40 applicants to attend the School. To obtain a **Certificate of Participation** the selected students should attend all lectures and exercise sessions of the School. The total number of instruction hours is nearly 56 (a full semester's course), which corresponds to **6 ECTS credits**, as stated on the Certificate that each student receives.

All interested students are invited to submit their application **at the latest by May 31, 2015**. They will be informed about the decision of the Scientific Organizing Committee regarding their acceptance.

The selected students will be asked to download and read **preparatory material** provided by the instructors and placed on the School's website. In this way, the students will be better prepared to follow the lectures and exercise sessions of the School.

ATTENDANCE FEE, LIVING EXPENSES, AND FINANCIAL SUPPORT

The **attendance fee** for each student participating in the Ph.D. School is 250 euro. **Limited financial support can be provided** to deserving students after sufficient justification. The attendance fee includes:

- A. Participation in all lectures and exercise sessions,
- B. Official folder and all printed material related to the Ph.D. School,
- C. Participation in all the School's social activities,
- D. Coffee breaks during the School.

Comfortable double rooms will be provided to the students at student housing facilities of the University of Patras at a nominal fee of 15 euros per day.
