BULLETIN

INTERNATIONAL CENTER FOR MATHEMATICS

Coming Events

Thematic term on Dynamics, Bifurcation and Biology

ORGANIZERS

J.A. Basto-Gonçalves, I.S. Labouriau, CMAUP and Faculdade de Ciências da Universidade do Porto.

Each subevent has its own organizing committee.

DATE

May to July 2000.

STRUCTURE

2ND MAY TO 5TH MAY, SCHOOL ON DYNAMICAL SYSTEMS

FCUP, PORTO

e-mail: dynsys@fc.up.pt

The school is specially intended for post-graduate students and young researchers in dynamical systems.

Courses:

- Genericity and weak forms of hyperbolicity - C. Bonatti (Dijon, France).
- Dimension and its computation - M. Pollicott (Manchester, UK).
- Ergodic theory of chaotic systems - M. Viana (Rio de Janeiro, Brasil).
- Nonuniformly hyperbolic horseshoes - J.-C. Yoccoz (Paris, France).

Organizers:

M. J. Costa, A. A. Pinto, M. Pollicott.

8TH MAY TO 13TH MAY, INTERNATIONAL CONFERENCE ON DYNAMICAL SYSTEMS

FCUP, PORTO

e-mail: dynsys@fc.up.pt

Scientific Commitee:
M. Benedicks, J. Palis, Ya. Sinai, S. van Strien and J.-C. Yoccoz.

Organizers:
M. J. Costa, A. A. Pinto, M. Pollicott.

8TH JUNE TO 14TH JUNE, SCHOOL ON SINGULARITIES

FCUP, PORTO

e-mail: Sing2000@fc.up.pt

The school is specially intended for post-graduate students and young researchers in singularities.

Courses:

- Introduction to the Generic Geometry of Manifolds - M. C. Romero-Fuster, J. Nuno Balesteros, E. Sanabria Codesal (Valencia, Spain).
- First Order Implicit ODE's and Their Applications - A. Davydov (U. Vladimir, Russia).

Organizers:

J.A. Basto-Gonçalves, I.S. Labouriau.

29th June to 4th July, Conference on Bifurcations, Symmetry and Patterns

(in honour of Martin Golubitsky and Ian Stewart)

FCUP, PORTO

e-mail: bif2000@fc.up.pt

Confirmed invited speakers:
P. Ashwin (UK), P. Chossat (F), B. Dionne (CA), B. Fiedler (D), M. Field (USA), M. Golubitsky (USA), E. Knobloch (USA), J. Lamb (UK), W. Langford (CA), I. Melbourne (USA), M. Roberts (UK), M. Silber (USA), I. Stewart (UK), H. Swinney (USA).

Organizers:
I. Labouriau , S. Castro, J. Buescu, A. Dias.

5th July to 14th July, School on Bifurcations, Symmetry, and Patterns

CIM (Observatório Astronómico), COIMBRA

e-mail: bif2000@fc.up.pt

The school is specially intended for post-graduate students and young researchers in bifurcation and its applications. It also has a course in common with the school in Mathematical Biology.

Courses:

- Numerical methods for dynamical systems - M. Dellnitz (D).
- Complex dynamics in symmetric systems - M. Field (Houston, USA).

- Symmetry, dynamics, bifurcations and applications - M. Golubitsky (Houston, USA) and I. Stewart (Warwick, UK).
- Models of biological pattern formation - H. Meinhardt (D).

Organizers:
I. Labouriau, S. Castro , A. Dias .

10th July to 21st July, School on Dynamics and Patterns in Biology

CIM (Observatório Astronómico), COIMBRA

24th July to 28th July, Workshop on Dynamics and Patterns in Biology

CIM (Observatório Astronómico), COIMBRA

e-mail: BioMath@fc.up.pt

Support

- Centro Internacional de Matemática (Portugal)
- Centro de Matemática Aplicada, UP
- Fundação Calouste Gulbenkian (Portugal)
- Fundação para a Ciência e Tecnologia (Programa Praxis XXI)
- European Science Foundation
- Universidade do Porto (Reitoria; Faculdade de Ciências; Departamentos de Matemática Aplicada e de Matemática Pura)
- Centro de Análise Matemática, Geometria e Sistemas Dinâmicos, Instituto Superior Técnico, Lisboa

For more information on these events and registration forms, please visit the site:

http://www.fc.up.pt/ma/cma/act/trimes/

Mathematical aspects of evolving interfaces

Organizers

P.Colli, University of Pavia, Italy;

J.F.Rodrigues, University of Lisbon, Portugal.

This is a CIM/CIME Summer School.

Date

3rd to 9th July 2000.

Series of five complementary courses with 3 or 4 lectures of 1h/1h30m for each course and a limited number of selected talks of 20/30 minutes each by young researchers or postdocs.

For details please see http://maei.lmc.fc.ul.pt/

WORKSHOP ON PARTIALLY KNOWN MATRICES AND OPERATORS

The present state of knowledge on the study of eigenvalues and other properties of matrices when only part of the entries are known will be discussed. Applications of this kind of problems to Systems Theory, extensions to operators in infinite dimensional spaces and the use of techniques from Combinatorics and Algebraic Combinatorics will also be discussed.

Several experts in the field will be present.

ORGANIZERS
Fernando C. Silva, University of Lisbon;
António Leal Duarte, University of Coimbra;
Isabel Cabral, New University of Lisbon;
Susana Furtado, University of Oporto.

DATE

3 days in September 2000.

STRUCTURE

12 invited 1-hour talks and some contributed 20-minute talks.

SUPPORT

Centro de Estruturas Lineares e Combinatórias

Centro de Matemática da Univ. de Coimbra

Fundação para a Ciência e Tecnologia

PROGRAMME FOR 2001

At the meeting on 1st April 2000 the Scientific Council of CIM approved the following events for 2001:

THEMATIC TERM ON SEMIGROUPS, ALGORITHMS, AUTOMATA AND LANGUAGES

Organizers

Gracinda M. S. Gomes (University of Lisbon; CAUL).

Jean-Eric Pin (University of Paris VII; CNRS).

Pedro V. Silva (University of Oporto; CMUP).

Dates

May, June and July 2001.

Aims and broad structure

The activities to be developed include simultaneous visits by various specialists of the areas to which the thematic term is dedicated, with the purpose of developing joint research work and collaborate in the workshops and schools to be held.

The programme will include three schools and two workshops dedicated to specific areas considered presently to