July, 02-04, 2009: BCAM-CIM Workshop on Applied Mathematics,

Hotel Indautxu, Bilbao, Spain.

ORGANIZERS

José Miguel Urbano (CMUC/UC) and Enrique Zuazua (BCAM).

AIMS

The Basque Center for Applied Mathematics (BCAM) and the Centro Internacional de Matemática (CIM) organize a joint workshop in applied mathematics in Bilbao. The workshop is intended to give the opportunity for a limited number of researchers to meet and discuss the state of the art and establish new research projects within applied mathematics.

INVITED SPEAKERS

Miguel Escobedo, EHU-UPV (Bilbao).

Irene Fonseca, Carnegie Mellon U. (Pittsburgh).

Manuel Luna, Universidad de Sevilla (Sevilla).

Ander Murua, EHU-UPV (San Sebastián).

Francisco Palacios, UPM (Madrid).

José F. Rodrigues, CIM (Coimbra).

Julio Rossi, FCyN and UBA (Buenos Aires).

Alexis F. Vasseur, University of Texas (Austin).

Juha Videman, IST (Lisboa).

Peicheng Zhu, BCAM/Ikerbasque (Bilbao).

Carlos Mora-Corral, BCAM (Bilbao).

Vincent Lescarret, BCAM (Bilbao).

Aurora-Mihaela Marica, BCAM (Bilbao).

Gonçalo Pena, CMUC (Coimbra).

For more information about the event, see

http://www.bcamath.org/bcam-cim-2009

July, 07-10, 2009: Workshop on Quantum Effects in Biological Systems (QuEBS 2009),

Instituto Superior Técnico, Lisboa.

ORGANIZERS

Yasser Omar (IST, SQIG-IT) and Masoud Mohseni (MIT)

AIMS

The identification and study of quantum mechanical phenomena in biological systems is an emerging area of interdisciplinary research spanning physics, chemistry, biology, and quantum information science. In this workshop, we intend to explore the interplay between quantum coherence and environmental effects in both driven and undriven biomolecular systems. In particular, the role of quantum dynamical coherence and decoherence in excitonic energy transfer within chromophoric systems, such as photosynthetic complexes, will be addressed.

Moreover, the existence of quantum entanglement in the dynamics of such systems will also be discussed. Furthermore, this workshop could provide new insight for engineering artificial photosystems, such as quantum dots and dendrimers, to achieve optimal energy transport by exploiting their environmental effects, with potential applications for the development of more efficient solar cells or photosensors.

The workshop will be constituted by both invited and contributed talks, and will include plenty of time for brainstorming and discussions on this novel area.

INVITED SPEAKERS

Alan Aspuru-Guzik (Harvard U)

Hans Briegel (U Innsbruck)

Greg Engel (U Chicago)

Theodore Goodson (U Michigan)

Susana Huelga (U Hertfordshire)

Ian Mercer (UC Dublin)

Alexandra Olaya-Castro (UC London)

Martin Plenio (Imperial College)

Gregory Scholes (U Toronto)

Robert Silbey (MIT)

For more information about the event, see

> http://sqig.math.ist.utl.pt/lqcil/quebs09

July, 2009: Pedro Nunes Lectures, by Luis Caffarelli. Please see page 2 and

> http://www.cim.pt/?q=pnl_caffarelli

July, 2009: Kinetics and statistical methods for complex particle systems,

Complexo Interdisciplinar da Universidade de Lisboa, Portugal

An initiative of the UTAustin-Portugal program in Mathematics in co-operation with CIM.

Summer school: July 13-18, 2009

Workshop: July 20-24, 2009.

ORGANIZERS

M. C. Carvalho (Universidade de Lisboa).

Fabio Chalub (Universidade Nova de Lisboa).

Irene Gamba (University of Austin).

Diogo Gomes (Universidade Técnica de Lisboa).

Rui Vilela Mendes (Universidade de Lisboa).

Robert Pego (Carnegie Mellon University).

AIMS

This two weeks event will consist of a summer school of 5 lectures of 4-hour mini courses during the first week, and a follow up with a second week holding a conference featuring talks at a more advanced level. The initiative will focus on analytical and numerical issues related to dynamical properties associated to non conservative interactive particle systems where non-equilibrium statistical asymptotic states are a signature of their complexity. This area of research have been emerging in the last decade as a follow up of recent studies to kinetic systems that models the evolutions of probabilities distributions into non-classical states where classical macroscopic models fail. New simulations that incorporate stochasticity, multi-scale and approximations to non-trivial diffusion limits will be addressed. The meetings will discuss connections to probability and stochastic theory in connection to natural and social sciences.

SUMMER SCHOOL LECTURERS

Eric Carlen (Rutgers University, USA).

Pierre Degond (University P. Sabatier, France).

Irene M. Gamba (University of Austin, USA).

Markos Katsoulakis (University of Massachusetts, USA)

Robert Pego (Carnegie Mellon University, USA).

For more information about the event, see

> http://kinetic.ptmat.fc.ul.pt/

September, 11, 2009: Jornada SPM/CIM/CMAT "Dia das Equações"

Rio Douro, Portugal.

This event, on board of a "rabelo" boat, will be devoted to partial differential equations.

ORGANIZERS

Lisa Santos, Assis Azevedo and Fernando Miranda (CMAT, Universidade do Minho)

INVITED SPEAKERS

Eugénio Rocha (Universidade de Aveiro).

Filipe Oliveira (Universidade Nova de Lisboa).

José Miguel Urbano (Universidade de Coimbra).

Juha Videman (Instituto Superior Técnico).

Miguel Ramos (Universidade de Lisboa).

For more information about the event, see

> http://www.cim.pt/?q=spm_cim_jornada_DDE

September 24-26, 2009: International Conference on History of Astronomy in Portugal: theories, institutions, practices,

Museu da Ciência, Universidade de Lisboa, Portugal

AIMS

The United Nations 62nd General Assembly, in order to celebrate the 400th anniversary of Galileo's first telescopic observations, has declared 2009 as the International Year of Astronomy (IYA2009). It is intended with this celebration to make widely known the importance of Astronomy as a science and as a technique. Among the different strategies proposed to reach this aim, the Portuguese National Committee of the

IYA2009, formed by the Portuguese Society of Astronomy, emphasizes the need to promote events related to the history of Astronomy.

This is particularly adequate to the Portuguese situation, as in our country there is still a lack of knowledge about the History of Astronomy, which we also can see in the lack of bibliography in Portuguese about this theme. This is fully admitted in the National Proposal of a Plan of Activities prepared by Portuguese National Organization Committee IYA2009 (*National Proposal of a Plan of Activities for the IYA2009*, preliminary version of 23/07/2007, 3.1.5, p. 7).

As in Portugal the history of astronomy is deeply tied up to the history of mathematics, a meeting on the history of astronomy is an excellent opportunity for our mathematics institutions to support IYA2009, allowing scholars and Portuguese researchers on the history of astronomy not only the opportunity of discussing these matters among themselves but also to listen and to talk to some of the best non- Portuguese researchers in this area, contributing to include Portugal in the international net of history of astronomy researchers. Some of the most important mathematics research centres in Portugal are sponsoring this conference: CMAF, CMUC, CMUP and CIM. Also the Portuguese Society of Mathematics and the Portuguese Society of Astronomy are supporting this conference.

ORGANIZERS

Luís Saraiva (CMAF, MCUL, U. Lisboa)

Carlos Sá (CMUP, U. Porto)

António Duarte-Leal (CMUC, U. Coimbra)

SPEAKERS

Michael Hoskin (U. Cambridge)

Sérgio Nobre (Unesp, Rio Claro)

José Chabas (U. Pompeu Fabra, Barcelona)

José Vaquero (U. Extremadura)

Henrique Leitão (FCUL, CIUHCT)

Luis Tirapicos (MCUL)

Jim Bennett (History of Science Museum, U. Oxford)

Roberto de Andrade Martins (Unicamp, Brasil)

Carlos Ziller Camenietzsky (U. F. Rio de Janeiro)

Ugo Baldini (U. Pádua)

Heloisa Gesteira (MAST, Rio de Janeiro)

Fernando Figueiredo (U. Coimbra)

Isabel Malaquias (U. Aveiro)

Pedro Raposo (OAL)

Helmuth Malonek/ T. Costa (U. Aveiro)

Vitor Bonifácio (U. Aveiro)

Paulo Crawford/Ana Simões (FCUL, CIUHCT)

For more information about the event, see

http://www.cim.pt/?q=events

October 1-4, 2009: Didactics of Mathematics as a Mathematical Discipline (a XXIst century Felix Klein's follow up),

Universidade da Madeira, Funchal.

ORGANIZING COMMITTEE

Elfrida Ralha (Universidade do Minho).

Jaime Carvalho e Silva (Universidade de Coimbra).

Suzana Nápoles (Universidade de Lisboa).

José Manuel Castanheira (Universidade da Madeira).

LOCAL ORGANIZERS

Elsa Fernandes (Universidade da Madeira).

Sandra Mendonça (Universidade da Madeira).

AIMS

For more information about the event, see page 24 and

http://glocos.org/index.php/dm-md/

November 23-24, 2009: The Mathematics of Darwin Legacy,

Complexo Interdisciplinar da Universidade de Lisboa, Portugal

See last page and http://www.cim.pt/Darwin2009/

For updated information on these events, see http://www.cim.pt/?q=events