

ESMTB Infoletter

October 2008



www.esmtb.org

Dear colleague

with this ESMTB Infoletter you receive information about conferences, workshops, schools and open positions. Please send relevant information to be included in the next ESMTB infoletter to info@esmtb.org.

Best regards, Andreas Deutsch
Dresden, 16th of October 2008

News

ESMTB board election

After the clear result of the statutes ballot in favor for the changed statutes the election for the new ESMTB board is going on. Please take the opportunity to vote for the new board.

The closing date of the board election will be October 31, 2008.

Reinhart Heinrich Doctoral Thesis Award 2009

We are proud to announce the Reinhart Heinrich Doctoral Thesis Award 2009 which is to be presented to the student submitting the best doctoral thesis in any area of Mathematical and Theoretical Biology.

ESMTB will honour the best thesis (showing the most impressive modelling ideas and useful innovative methods) with an award.

The deadline for nominations is 31st October of each year, by which time the thesis should have received final acceptance by the institution granting the doctoral degree.

To apply for this award, please follow the link for more information.

<http://esmtb.org/downloads/RHDTaward.pdf>

Conferences

Advanced Course on Mathematical Biology: Modeling and Differential Equations at Centre de Recerca Matemàtica, Campus de la Universitat Autònoma de Barcelona, Bellaterra

Date: 2009-02-02 to 2009-02-06

Differential Equations appear naturally in many mathematical biology models since they are the basic language of expression of the different considered mechanisms. Ordinary differential systems, either deterministic or stochastic, form usually the bricks of the modelling from which more complicated phenomena can be analysed by means of Partial differential equations. The qualitative properties obtained from the analytical and numerical study of these models can be a great deal of information for the modeller in order to assess models validity and a way of improving the modelling.

This first series of courses of the thematic program wants to explore particular and specific mathematical models in Biology mainly in the areas of adaptive dynamics, cell movement by chemotaxis, pattern formation, tumour growth modelling and population dynamics. The speakers for the advanced course are: Odo Diekmann (University of Utrecht, Netherlands), Masayasu Mimura (Meiji University, Japan), Benoît Perthame (ENS-Paris-6, France), Luigi Preziosi (Politecnico di Torino, Italy) and Angela Stevens (Heidelberg, Germany).

These courses are connected to the European Marie Curie PhD network DEASE (www.wpi.ac.at/DEASE) coordinated by the WPI Wien.

The CRM offers a limited number of grants covering registration and accommodation addressed to young researchers. The deadline for application is November 30, 2008.

Deadline for Registration and Payment: December 31, 2008

<http://www.crm.cat/ACMODELING/>

Conference on Mathematical Biology: Modeling and Differential Equations at Centre de Recerca Matemàtica, Campus de la Universitat Autònoma de Barcelona, Bellaterra

Date: 2009-02-09 to 2009-02-13

Mathematical Biology is a field of increasing interest with applications including modeling of biomedical problems, new trends in population dynamics and mathematical insights of biological evolution. The aim of the meeting will be putting together results and new methods and techniques on differential equations with open problems on some topics including, among others, tumor growth modeling, structured population dynamics, evolutionary dynamics and chemotaxis.

The CRM offers a limited number of grants covering registration and accommodation addressed to young researchers. The deadline for application is November 30, 2008.

Deadline for Registration and Payment: December 31, 2008

<http://www.crm.cat/CMODELING/>

Noise in Life 2009 at Møller Centre, Cambridge, UK

Date: 2009-03-30 to 2009-04-01

Sponsored by SIGNET (the BBSRC funded Cell Signalling Network), the UK Mathematical Neuroscience Network and the European Science Foundation.

Following 2 previous Noise in Life meetings in Spain (2006) and Germany (2007), "Noise in Life 2009" will focus on cell signaling, regulation of

gene expression and neuronal dynamics. There is a nice balance between these three topics to make for an exciting meeting which will improve our understanding of the emergence of mesoscopic dynamics in cell physiology. We will combine communities from the biosciences, nonlinear dynamics, statistical physics, applied mathematics and scientific computing, and gather together expertise in realistic modeling, multi-scale simulations and experimental biology.

www.cellsignet.org.uk/noise09

Open Positions

Chair in Mathematics at Department of Mathematics, University of Sussex, UK

Deadline for applications: 2008-11-17

Candidates for the Chair position should have outstanding academic credentials and a world-leading research reputation in an area of mathematics related to one or more of the current research activities of the Department. The successful candidate will be expected to make a major contribution to the Departments research outputs, to show leadership in the generation of research funding and in the support of junior staff, researchers and post-graduate students, and to undertake an appropriate teaching and administrative load.

Please contact: Dr Mark Broom

<http://www.sussex.ac.uk/jobs>

Download PDF [here](#)

Lecturer/Senior Lecturer/Reader in Financial Mathematics at Mathematics at Department of Mathematics, University of Sussex, UK

Deadline for applications: 2008-11-17

Applications for the Financial Mathematics position are welcome from candidates working in any area of financial mathematics, especially from those working in option pricing, risk modelling, stochastic analysis or computational finance. Experience of and interest in financial consultancy work and collaborative projects with other subject

areas are highly desirable. The Department is expanding its taught postgraduate provision in financial mathematics, and the successful candidate will be expected to play a leading role in this.

Please contact: Dr Mark Broom

<http://www.sussex.ac.uk/jobs>

[Download PDF here](#)

**Postdoctoral Position - Complex Networks
at Department of Physics & Astronomy,
Northwestern University, USA**

Deadline for applications: 2008-12-15

The group of Adilson E. Motter at the Department of Physics and Astronomy, Northwestern University, has an opening for a postdoctoral position in the area of complex networks. The research will focus on visual analytics approaches for the characterization of high-dimensional data sets and applications to exploratory data analysis in biological, social and physical networks. The mandatory requirements for this position include strong writing skills, demonstrated ability to perform independent high-impact research, excellent computer

training, strong mathematical background, and interest in mentoring students. Eligible candidates may have a recent Ph.D. in physics, applied mathematics, statistics, computer science or related fields. The ideal candidate will also have experience with statistical data analysis and familiarity with complex networks. The appointment will be for at least one year, starting in Winter or Spring 2009. Women and individuals from underrepresented groups are encouraged to apply.

The Department of Physics and Astronomy at Northwestern University is located in Evanston, Illinois, which is situated along the shores of Lake Michigan only 30 minutes north of downtown Chicago. For more information, see <http://dyn.phys.northwestern.edu/>

To apply, please e-mail curriculum vitae along with a brief statement of how your research interests are related to this position to Adilson E. Motter at motter@northwestern.edu, and arrange to have two letters of recommendation e-mailed to the same address. Application materials should be received by December 15, 2008.

Please contact: Adilson E. Motter

<http://dyn.phys.northwestern.edu/>