

ESMTB Infoletter

May 2007



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, 29 May 2007

Conferences

International Conference on Computational Science - ICCS 2007 at Beijing, China

Date: 2007-05-27 to 2007-05-30

The theme for ICCS 2007, "Advancing Science and Society through Computation", marks the continued progress in computational science theory and practice, leading to greatly improved applications in science. This conference will be a unique event focusing on recent developments in novel methods and modelling of complex systems for diverse areas of science, scalable scientific algorithms, advanced software tools, computational grids, advanced numerical methods, and novel application areas where the above novel models, algorithms and tools can be efficiently applied such as physical systems, computational and systems biology, environmental systems, finance, and others. We look forward to welcoming you to this exciting event!

<http://www.iccs-meeting.org/iccs2007/>

7th Workshop on Algorithms in Bioinformatics (WABI) at University of Pennsylvania

Date: 2007-09-08 to 2007-09-09

All research on algorithmic work in bioinformatics and systems biology. The emphasis is on discrete algorithms and machine-learning methods that address important problems in molecular biology, that are founded on sound models, that are computationally efficient, and that have been implemented and tested in simulations and on real datasets. The goal is to present recent research re-

sults, including significant work-in-progress, and to identify and explore directions of future research.

<http://www.wabi07.org/>

2007 International Symposium on Nonlinear Dynamics at Shanghai, China

Date: 2007-10-27 to 2007-10-30

All Submitted papers will be reviewed by at least three reviewers and participative peer review. These two kinds of review will support the selection process of those that will be accepted for their presentation at the conference and for publication in Proceedings, as well as those to be selected for their publication in IJNSNS (International Journal of Nonlinear Sciences and Numerical Simulation, Journal Impact 2.345), CSF(Chaos, Solitons and Fractals, Journal Impact 1.938), IJCMNS (International Journal of Computational Mathematics and Numerical Simulation), IJENA(International Journal of Electrospun Nanofibers and Applications), and other journals.

<http://www.2007isnd.com/>

Workshops

4th Integrative Bioinformatics Workshop at University of Ghent, Belgium

Date: 2007-09-10 to 2007-09-12

Biological data are scattered across hundreds of biological databases and thousands of scientific journals. Current high throughput genomics technologies generate large quantities of high dimensional

data. Microarray, NMR, mass spectrometry, protein chips, gel electrophoresis data, Yeast-Two-Hybrid, QTL mapping, gene silencing and knock-out experiments are all examples of technologies that capture thousands of data points, often in single experiments. The challenge for Integrative Bioinformatics is to capture, model, integrate and analyse these data in a consistent way to provide new and deeper insights into complex biological systems. This, fourth workshop on Integrative Bioinformatics will be of interest to Bioinformaticians, Computer Scientists and others working in, or interested in finding out more about, the developing area of integrative bioinformatics. There will be opportunities to present and discuss methods, theoretical approaches or their practical applications.

<http://www.rothamsted.bbsrc.ac.uk/bab/conf/ib07/>

Schools

Otto Warburg International Summer School and Workshop on Computational Systems Biology at Harnack House, Berlin, Germany

Date: 2007-08-27 to 2007-09-05

The aim of this program is to bring together researchers and students from different backgrounds (including molecular biology, bioinformatics, biological physics) to discuss a topic of high current interest. We plan an integrated program, which is focused on high-level training during the first days and leads to topical research seminars in the second part. The schedule will leave sufficient time for discussion and interaction among students and lecturers.

<http://ows.molgen.mpg.de/>