

## ***Cercia Workshop on Computational Intelligence and Applications***

15th - 16th November 2005  
Main Lecture Theatre, School of Medicine,  
University of Birmingham, UK

Cercia presents the latest developments in Computational Intelligence in this 2-day workshop with top calibre speakers from around the globe, both from industry and academia.

This event is free of charge, but registration is required prior to the workshop: please contact Delia Sexton [d.sexton@cercia.ac.uk](mailto:d.sexton@cercia.ac.uk) Tel: 0121 414 2215, Fax: 0121 414 2799 to register.

### **Programme Day One, 15<sup>th</sup> November 2005**

- 9.00am Registration - Tea & Coffee
- 9:30am Introduction – Prof. Xin Yao, University of Birmingham
- 9:45am *Finding Hidden Factors in Large Spatiotemporal Data Sets* – Prof. Erkki Oja, Helsinki University of Technology
- 10:35am Welcome – Prof. Mike Cruise, Pro VC, University of Birmingham
- 10:50am Tea break
- 11:10am *Evolutionary System Design* – Dr. Bernhard Sendhoff, Honda Research Institute Europe
- 12:00pm LUNCH
- 2:00pm *A Statistical Learning Theory on Knowledge Mining and Problem Solving* – Prof. Lei Xu, Chinese University of Hong Kong
- 2:50pm *Fault-tolerant Design by Evolutionary Algorithms* – Dr. Thorsten Schnier, University of Birmingham
- 3:40pm Tea break
- 4:10pm *Model based Approaches to Constructing Topographic Maps of Sparse and Structured Data* – Dr. Peter Tino, University of Birmingham
- 5:00pm *Modelling of Interaction Dynamics in Internet-Based Multi-user Scenarios* – Dr. Ata Kaban, University of Birmingham

### **Programme Day Two, 16<sup>th</sup> November 2005**

- 9.00am Arrival - Tea & Coffee
- 9:30am *Development & Evolution: Hardware Support and Encouragement* – Prof. Andy Tyrrell, University of York
- 10:20am *New Methods for Automated Cutting and Packing* – Prof. Edmund Burke, University of Nottingham
- 11:10am Tea break
- 11:30am *Evolution of Evolutionary Computation* – Prof. Xin Yao, University of Birmingham
- 12:20pm LUNCH
- 2:00 pm *Parametric vs non-parametric Evolutionary System Identification* – Dr. Marc Schoenauer, Projet TAO, INRIA Futurs et LRI
- 2:50pm *Propagation time in stochastic communication networks* – Dr. Jon Rowe, University of Birmingham
- 3:40pm Closing – Prof. Xin Yao
- 4:00pm Tea and departing