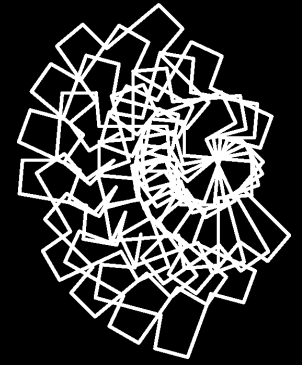


Friday 9<sup>th</sup> May 2008

UCD Complex &  
Adaptive Systems  
Laboratory

Seminar Room



**NCRA 2008**

# 2<sup>nd</sup> Natural Computing Research & Applications Workshop

- 12.00-12.20     *Quantum-inspired EA and its Application in Financial Derivatives Modelling*  
Kai Fan
- 12.20-12.40     *A Parameter Reduced Model for Spectral Synthesis of Musical Sounds*  
Cornelia Kreutzer
- 12.40-1.00       *EC in Medical Diagnosis and Classification*  
Tiberiu Simu
- Lunch
- 2.00-2.20       *GP application in Efficient Market Hypothesis*  
Zheng Yin
- 2.20-2.40       *Time Series forecasting: A Neuroevolutionary approach*  
Robert Bradley
- 2.40-3.00       *Optimisation of Particle Swarm Algorithms Topology*  
Sébastien Piccand
- Coffee break
- 3.20-4.20       *Evolvability in Optimization Problems: Towards more Efficient Evolutionary Algorithms*  
Jorge Tavares
- Coffee break
- 4.40-5.00       *Grammatical Bias and Building Blocks in Meta-Grammar Grammatical Evolution*  
Erik Hemberg
- 5.00-5.20       *Automatic Classification of Musical Instruments*  
Róisín Loughran
- 5.20-5.40       *Estimation of Financial Time Series Model using Bacterial Foraging Algorithm*  
Jing Dang
- 5.40-6.00       *Discussion & Workshop Closing*