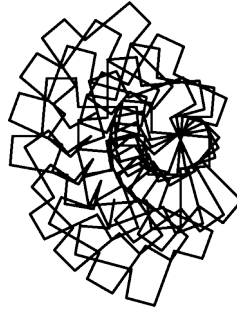


1st Natural Computing Research & Applications (NCRA) Workshop

<http://ncra.ucd.ie>



Friday 13th July 2007

**Room Q119, Quinn School of Business
UCD, Belfield**

- Chair: Anthony Brabazon**
11.00-11.20 *Controlling sound synthesizers with interactive and non-interactive EC* (James McDermott)
- 11.20-11.40 *Quantum-inspired evolutionary algorithms* (Kai Fan)
- 11.40-12.00 *Comparison of different Particle Swarm Algorithms on problems of high dimension* (Sébastien Piccand)
- 12.00-1.00 *Grammatical Evolution in Dynamic Environments* (Ian Dempsey)
- 1.00-2.15 Lunch
- Chair: Michael O'Neill**
2.15-3.15 ***Entropy and Compression in Understanding Genetic Programming***
(Prof. Bob McKay)
- 3.20-3.40 *Motif identification using GP* (Tiberiu Simu)
- 3.40-4.00 Coffee break
- 4.00-4.20 *GEVA* (Conor Gilligan)
- 4.20-4.40 *meta-Grammar GE* (Erik Hemberg)
- 4.40-5.00 *Adaptation in EC* (Zheng Yin)

Shorter sessions are 20 mins (15 mins presentation, 5 mins questions approx.)