

Trinity Term 2007

**COMPLEX ADAPTIVE SYSTEMS GROUP SEMINAR**  
**Saïd Business School, University of Oxford**



**Convenors:**

Felix Reed-Tsochas, *Saïd Business School*

Jukka-Pekka Onnela, *Physics Department & Saïd Business School*

Our meetings intend to provide a forum for rigorous research (in a broad range of disciplines) focusing on complex adaptive systems, using methods and techniques such as agent-based modelling and complex network analysis. Since potential areas of application for such approaches can be located across the social, natural and engineering sciences, our aim is to involve participants from a wide range of departments in Oxford. We welcome talks which focus on particular areas of application and associated technical issues, but also encourage contributions which address more fundamental conceptual or mathematical problems. The CASG Seminar Series is one of the activities of the CABDyN Research Cluster (<http://sbs-xnet.sbs.ox.ac.uk/complexity/>).

**Tuesday, 24 April 12.30 – 2.00 pm**

**Seminar Room A**

**Prof Peter Abell and Dr Mark Ludwig**  
**Managerial Economics and Strategy Group**  
**London School of Economics**

**The evolution of social networks**

**ABSTRACT**

The paper considers the simulated evolution of balancing networks with positive and negative links, and claims to locate differing phases depending upon the proportion of link types and a balancing parameter. The distribution of breaking 3-cycles (cascades) follows a power law that probably is indicative of self-organised criticality.

**Sandwiches and drinks will be provided**

For further information contact [felix.reed-tsochas@sbs.ox.ac.uk](mailto:felix.reed-tsochas@sbs.ox.ac.uk)

Seminar webpage: [http://sbs-xnet.sbs.ox.ac.uk/complexity/complexity\\_casg.asp](http://sbs-xnet.sbs.ox.ac.uk/complexity/complexity_casg.asp)