

Networks: Structure & Dynamics

Workshop In The International Conference On Computational Science ICCS 2006

Location & Dates

Dates: May 28-31, 2006

Location: University of Reading, UK

Subject area: **Statistical Physics, Numerical Modeling**

Topic: **Complex Networks**

Scope

The workshop will concentrate on current directions of research on networks, with the emphasis on algorithms suitable for structural and dynamical properties of complex networks with a special focus on the interrelations of structure and dynamics and some fundamental aspects. In particular, the focus will be on:

Topics

- New types of network topologies, including object linking;
- Mechanisms of structural optimization with respect to dynamics on the network;
- Algorithms and methods of detecting the structural characteristics that are responsible for improved dynamic efficiency of networks;
- Fundamental aspects of network formation and evolution

◊ Limited Number of participants!

Session 1: Speakers

B. Tadic/S. Thurner, B. Kujawski, X.G. Jin, I.S. Cho, L.K. Gallos, M. Manceny;

Poster: M. Uchida

Session 2: Speakers

C. Biely, L. Donetti, D. Balcan, R. Harrison, M. Suvakov, Y.H. Hayashi;

Poster: R. Lambiotte

Workshop Organizers:

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