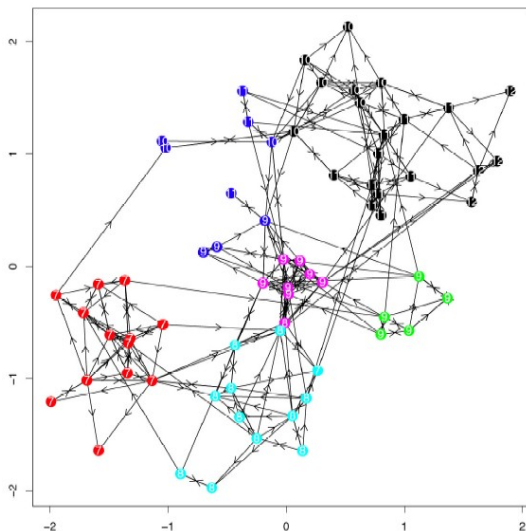# Ordinary Meeting

Organized by the Research Section

## "Model-based clustering for social networks",

by M. Handcock, A. Raftery (University of Washington) and J. Tantrum (Microsoft Research)

Wednesday 11 October 2006, 5pm

RSS Headquarters, 12 Errol Street, London

**Summary**

In analyzing social network data, interest often focuses on finding clusters of actors. We propose the Latent Position Cluster Model, under which the probability of a tie between two actors depends on the distance between them in an unobserved social space, and the actors' locations are clustered. Methods for estimation and for determining the number of clusters are proposed.

The paper can be downloaded (3 weeks prior to meeting) from: `http://www.rss.org.uk/main.asp?page=1836`

Fellows and visitors are invited to make contributions of no longer than 5 minutes following the reading of the paper. Please register your interest with the Secretary of the RSS Research Section Committee (e.wit@lancaster.ac.uk) or C. Stovell at the RSS (c.stovell@rss.org.uk).

Tea is served at 4:30pm. **The meeting will be held at the RSS Headquarters in London**:

12 Errol Street
(close to Moorgate & Farringdon Underground/Railway stations)
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Tel: +44(0)20 7638 8998

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