
AKSOE 6: Dynamics of Groups and Organizations III

Time: Tuesday 9:30–10:15

Location: H8

Invited Talk AKSOE 6.1 Tue 9:30 H8
Sociophysics of Markets — •JÖRG REICHARDT — Universität
Würzburg, Institut für Theoretische Physik III, Am Hubland, 97074
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Markets are prototypical examples of autonomous agents acting in a network of trade relations. The study of the topology of such networks

can make a viable contribution to the understanding of how markets form, evolve and eventually function.

The talk will review recent developments in network analysis. In particular, it will focus on the detection of patterns of connectivity as expressions of specific functional roles certain agents play in a market. A number of applications to real world markets will show power and potential of such methods.