

PHYSIKALISCHES KOLLOQUIUM

Mittwoch, 09.01.2013, um 17:15 Uhr

Ort: Reichenhainer Str. 90; Neues Hörsaalgebäude, Raum: 2/N013

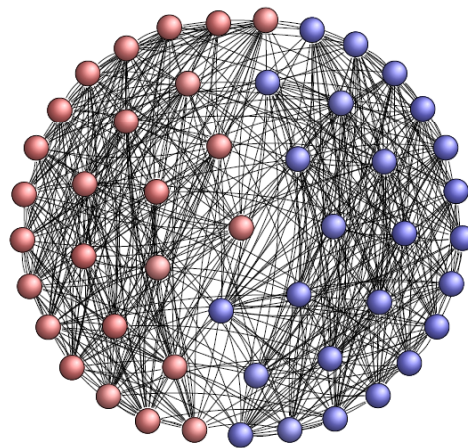
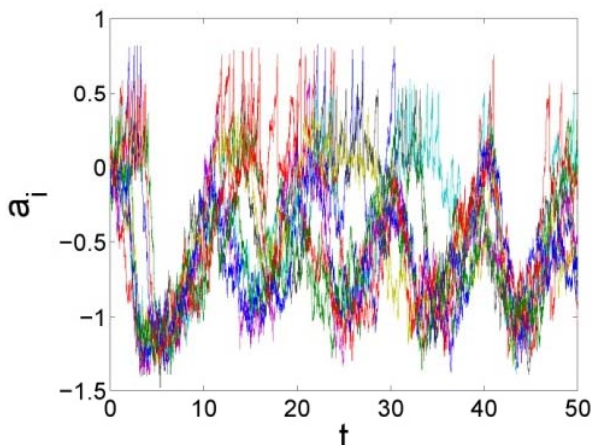


Prof. Dr. Frank Schweitzer

ETH Zürich

Collective Dynamics in Cyberspace -- Chaos or Order?

Online communication can be seen as a large-scale social experiment that constantly provides us with data about users' activities, interactions and emotions. While their online behavior on the "micro" level is largely governed by individual traits, we find on the "macro" level remarkable statistical regularities. These can be reproduced by means of stochastic agent-based models that capture the non-linear response to emotional information in different online communities. This research opens a vast field to combine big data analysis, nonlinear dynamics, and statistical physics.



Alle Zuhörer sind ab 17:00 Uhr zum Kaffee vor dem Hörsaal eingeladen.