



Physics of Socio-Economic Systems Division

DPG Spring Meeting Berlin, March 25-30, 2012

SCOPE

- Financial Markets and Risk Management
- Economic Models and Evolutionary Game Theory
- Traffic Dynamics, Urban and Regional Systems
- Social Systems, Opinion and Group Dynamics
- Networks: From Topology to Dynamics

KEYNOTE TALK

H. Eugene Stanley
(Boston, USA)

“Interdependent Networks and Switching Phenomena”

YOUNG SCIENTIST AWARD FOR SOCIO- AND ECONOPHYSICS*

Keynote Speaker: **Stefan Thurner** (Wien, A)
“The Role of Agent Based Models in Understanding Human Societies”

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TUTORIAL “Scientific Writing”**

Hernan Rozenfeld (APS, USA)

Tim Smith (IOP Publishing, UK)

INVITED TALKS

Thilo Gross (Bristol, UK) “Adaptive Networks of Opinion Formation in Humans and Animals”

Marc Hütt (Bremen) “Common Design Principles of Metabolic Networks and Industrial Production”

FOCUS SESSION: BIG DATA**

Rosario Mantegna
(Palermo, IT)

“Econophysics and Social Research with Large Sets of Data”

Philip Treleaven
(London, UK)

“Experimental Computational Finance & Big Data Environment”

Tiziana Di Matteo (London, UK)

“Embedding High Dimensional Data on Networks”

Michael Batty (London, UK)
“Cities and Complexity”

FOCUS SESSION: MODELS OF WAR, CONFLICT AND REVOLUTIONS

Neil Johnson (Miami, USA)

“Escalation, Timing and Severity of Insurgent and Terrorist Events: Robust Patterns and a Generic Model”

Aaron Clauset (Boulder, USA)

“Fatality Dynamics and the Limits of Civil and Interstate Wars”

Ravinder Bhavnani (Geneva, CH)

“Group Segregation and Urban Violence”

**Sessions are organized with the jDPG

Registration via <http://berlin12.dpg-tagungen.de/index.html?lang=en>

Conference Languages: English and German

Deadline: December 1st 2011

Young Scientist Award: Call for nominations and applications at
<http://www.dpg-physik.de/dpg/gliederung/fv/soe/YSA/call.html>

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CONTACT

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