



# Physics of Socio-Economic Systems Division

## DPG Spring Meeting

jointly held with the European Physical Society (EPS)

# Berlin, March 11 - 16, 2018

### 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

### INVITED TALKS

Jean-Philippe Bouchaud (Paris, France)  
 "Tipping points and crises  
 in simple macroeconomic models"

Thomas Lux (Kiel, Germany)  
 "Estimation of agent-based economic models"

### PLENARY EVENING TALK

Frank Schweitzer (Zurich, Switzerland)  
 "Kollektive Dynamik in Sozialen Systemen: Von Aristoteles zu Boxy"

### FOCUS SESSION

"Physics of contagion processes – from infection dynamics  
 on complex networks to complex social contagion"  
 (org: Philipp Hövel, Pawel Romanczuk, Jonathan Dongs)

Vittoria Colizza (Paris, France)  
 "Influence of network topology in epidemic models"

Jesus Gomez Gardenes (Zaragoza, Spain)  
 "Structural balance in spatial ecological networks"

Peter Grassberger (Dresden, Germany)  
 "Percolation in cooperative contagion"

Iain Couzin (Constance, Germany)  
 "How social influence shapes biological processes"

Andrzej Nowak (Warsaw, Poland)  
 "Linear and nonlinear scenarios of societal change"

### TUTORIALS (SUNDAY 16:00 - 18:30)

"Models of financial markets"

Registration via [berlin18.dpg-tagungen.de](http://berlin18.dpg-tagungen.de)  
 Deadline for abstract submission: December 1<sup>st</sup> 2017

Young Scientist Award: Call for nominations (deadline December 1<sup>st</sup> 2017) at  
[www.dpg-physik.de/dpg/gliederung/fv/soe/YSA/](http://www.dpg-physik.de/dpg/gliederung/fv/soe/YSA/)



### CONTACT

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**"YOUNG SCIENTIST  
 AWARD FOR SOCIO-  
 AND ECONOPHYSICS"**  
 Keynote Speech & Prize Talk