

Physics of Socio-economic Systems Division Fachverband Physik sozio-ökonomischer Systeme (SOE)

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Overview of Invited Talks and Sessions

(Lecture rooms GÖR 226 and HSZ 01; Poster P2-OG4)

Invited and Topical Talks

SOE 1.1	Mon	9:30–10:00	GÖR 226	Quantifying the evolution of individual scientific impact — •ROBERTA SINATRA
SOE 5.1	Mon	15:00–15:45	HSZ 01	Complexity in Economics and Finance — •CEES DIKS
SOE 7.1	Tue	9:30–10:15	GÖR 226	Diffusion of Innovations under Direct and Indirect Peers Pressure — •ERNESTO ESTRADA
SOE 10.1	Tue	14:00–14:45	GÖR 226	Human behaviour and traffic flow — •MICHAEL SCHRECKENBERG

Young Scientist Award for Socio- and Econophysics (YSA) - Prize Talk

SOE 5.2	Mon	16:00–16:45	HSZ 01	Climate Change and Global Governance in an Uncertain World — •FRANCISCO C. SANTOS, VÍTOR V. VASCONCELOS, SIMON A. LEVIN, JORGE M. PACHECO
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Invited talks of the joint symposium SYCM

See SYCM for the full program of the symposium.

SYCM 1.1	Wed	9:30–10:00	HSZ 02	Mobility in shareability networks — •MICHAEL SZELL
SYCM 1.2	Wed	10:00–10:30	HSZ 02	Trail-following bacteria: from single particle dynamics to collective behaviour — ANATOLIY GELIMSON, KUN ZHAO, CALVIN K. LEE, W. TILL KRANZ, GERARD C. L. WONG, •RAMIN GOLESTANIAN
SYCM 1.3	Wed	10:30–11:00	HSZ 02	Mobility and Self-Organization in Multi-Layer Networks: A Meta-Foodweb example — •THILO GROSS, ANDREAS BRECHTEL, PHILIPP GRAMLICH, DANIEL RITTERSKAMP, BARBARA DROSSEL
SYCM 1.4	Wed	11:15–11:45	HSZ 02	Temporal Percolation in Critical Collective Mobility Systems — •ANDREAS SORGE, DEBSANKHA MANIK, JAN NAGLER, MARC TIMME
SYCM 1.5	Wed	11:45–12:15	HSZ 02	Modeling the evolution of cities — •MARC BARTHELEMY

Sessions

SOE 1.1–1.1	Mon	9:30–10:00	GÖR 226	Scientific Impact and Models for Growth of Science (Topical Talk Roberta Sinatra)
SOE 2.1–2.4	Mon	10:00–11:15	GÖR 226	Social Systems I
SOE 3.1–3.4	Mon	11:15–12:15	GÖR 226	Financial Models and Risk Management I
SOE 4.1–4.1	Mon	14:00–14:45	HSZ 02	Plenary Talk Stuart Kauffman
SOE 5.1–5.2	Mon	15:00–17:00	HSZ 01	YSA Award Session: Young Scientist Award for Socio- and Econophysics 2017
SOE 6.1–6.18	Mon	17:00–20:00	P2-OG4	Poster

SOE 7.1–7.1	Tue	9:30–10:15	GÖR 226	Innovation Dynamics on Networks (Invited Talk Ernesto Estrada)
SOE 8.1–8.3	Tue	10:15–11:00	GÖR 226	Economic Models I
SOE 9.1–9.5	Tue	11:00–12:15	GÖR 226	Evolutionary Game Theory (joint session SOE / BP / DY)
SOE 10.1–10.1	Tue	14:00–14:45	GÖR 226	Traffic and Organization of Cities
SOE 11.1–11.3	Tue	14:45–15:30	GÖR 226	Physics of Collective Mobility (joint session SOE / DY / BP / jDPG, accompanying the symposium)
SOE 12	Tue	15:30–16:00	GÖR 226	Annual Member’s Assembly
SOE 13.1–13.5	Wed	9:30–12:15	HSZ 02	Symposium SYCM: Physics of Collective Mobility (SOE / DY / BP / jDPG)
SOE 14.1–14.14	Wed	15:00–19:15	ZEU 160	Focus: The Physics of Power-Grids – Fluctuations, Synchronization and Network Structures (joint session DY / SOE)
SOE 15.1–15.12	Wed	15:00–18:15	GÖR 226	Focus Session: Cities as complex systems
SOE 16.1–16.12	Thu	9:30–13:00	GÖR 226	Networks (joint session SOE / DY / BP)
SOE 17.1–17.5	Thu	15:00–16:15	ZEU 147	Networks: From Topology to Dynamics (joint session DY/ BP/SOE)
SOE 18.1–18.5	Thu	15:00–16:15	GÖR 226	Economic Models II
SOE 19.1–19.3	Thu	16:15–17:00	GÖR 226	Financial Markets and Risk Management II
SOE 20.1–20.2	Thu	16:30–17:00	ZEU 147	Chimera states: symmetry-breaking in dynamical networks (joint session DY/BP/SOE)
SOE 21.1–21.6	Thu	17:00–18:30	GÖR 226	Social Systems II
SOE 22.1–22.9	Fri	9:30–12:30	ZEU 160	Focus Session: Controlling Complex Networks in Nature and Engineering (joint DY / SOE / BP)

Annual General Meeting of the Physics of Socio-economic Systems Division

Tue 15:30–16:00 GÖR 226