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

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Overview of Invited Talks and Sessions

(lecture rooms HSZ01, HSZ02, GÖR 226, and Poster 2)

Tutorial

SOE 1.1	Sun	16:00-18:00	HSZ 04	Collective Dynamics of Firms:	\mathbf{A}	Statistical	Physics	Approach	—
				•Frank Schweitzer					

Focus Session: Swarm Intelligence

SOE 2.1	Mon	10:15-10:45	$G\ddot{O}R$ 226	Social Media and Attention — •Bernardo Huberman
SOE 2.2	Mon	10:45-11:15	\ddot{GOR} 226	Mobilizing society with a red balloon — ◆RILEY CRANE
SOE 2.3	Mon	11:15-11:45	\ddot{GOR} 226	Collective behaviour and swarm intelligence — •Jens Krause

Focus Session: GPU-Computing (with DY)

SOE 5.1	Mon	14:00-14:30	$\ddot{\text{GOR}}$ 226	Applications of GPU-Computing in Statistical Physics — \bullet Peter
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SOE 5.2	Mon	14:30–15:00	GOR 226	Accelerating Monte Carlo Simulations in Statistical Physics with
				GPU's — •David Landau

Focus Session: Experimental Methods

SOE 10.1	Tue	13:30-14:00	$\ddot{\text{GOR}}$ 226	Complex Economic Systems in the Laboratory — •CARS HOMMES
SOE 10.2	Tue	14:00-14:30	\ddot{GOR} 226	Multiplicative Cascades: How to model trip within cities — •MARTA
				C. González
SOE 10.3	Tue	14:30-15:00	\ddot{GOR} 226	Human behavior on networks: lessons and perspectives from game
				theory — •Angel Sánchez
SOE 10.4	Tue	15:00-15:30	$G\ddot{O}R$ 226	Measuring Happiness — •Peter S. Dodds

Young Scientist Award for Socio- and Econophysics

SOE 8.1	Mon	17:00-17:45	HSZ 02	Dragon-kings versus black swans: diagnostics and forecasts for the
				on-going world financial crisis — •DIDIER SORNETTE
SOE 8.1	Mon	18:00-18:30	HSZ 02	Community structure in networks and statistical physics of social
				dynamics — •Santo Fortunato

Joint Symposium on Foundations and Perspectives of Climate Engineering (with AKE, UP) See SYCE for the full program of the symposium.

SYCE 1.1	Tue	10:30-11:00	HSZ 01	Oceanic carbon-dioxide removal options: Potential impacts and side
				effects — • Andreas Oschlies
SYCE 1.2	Tue	11:00-11:30	HSZ 01	Climate Engineering through injection of aerosol particles into the
				atmosphere: physical insights into the possibilities and risks —
				•Mark Lawrence
SYCE 1.3	Tue	11:30-12:00	HSZ 01	Geoengineering - will it change the climate game? — ◆TIMO GOESCHL
SYCE 1.4	Tue	12:00-12:30	HSZ 01	The gamble with the climate - an experiment — •Manfred Milinski

Sessions

SOE 1.1–1.1	Sun	16:00-18:00	HSZ 04	Tutorial
SOE $2.1-2.3$	Mon	10:15-11:45	\ddot{GOR} 226	Focus Session: Swarm Intelligence
SOE $3.1-3.2$	Mon	12:00-12:30	\ddot{GOR} 226	Focus Session: Swarm Intelligence - Contributed Talks
SOE 4.1–4.1	Mon	13:30-14:00	\ddot{GOR} 226	Special Announcement: Funding Opportunities
SOE $5.1-5.2$	Mon	14:00-15:00	\ddot{GOR} 226	Focus Session: GPU Computing (with DY)
SOE $6.1-6.3$	Mon	15:00-15:45	\ddot{GOR} 226	Focus Session: GPU Computing (with DY) - Contributed
				Talks
SOE $7.1-7.3$	Mon	16:00-16:45	\ddot{GOR} 226	Social Systems, Opinion and Group Dynamics I
SOE $8.1-8.2$	Mon	17:00-18:30	HSZ 02	Award Ceremony: Young Scientist Award for Socio- and
				Econophysics
$SOE \ 9.1-9.4$	Tue	10:30-13:00	HSZ 01	Joint Symposium SYCE: Foundations and Perspectives of
				Climate Engineering (with AKE, UP)
SOE 10.1–10.4	Tue	13:30-15:30	\ddot{GOR} 226	Focus Session: Experimental Methods
SOE 11.1–11.19	Tue	18:00-18:45	P2	Poster Session
SOE 12	Tue	18:45-19:30	\ddot{GOR} 226	Annual General Meeting of SOE
SOE 13.1–13.1	Wed	10:15-10:45	\ddot{GOR} 226	Networks: From Topology to Dynamics I (with BP, DY)
SOE 14.1–14.9	Wed	10:45-13:15	\ddot{GOR} 226	Networks: From Topology to Dynamics II (with BP, DY)
SOE $15.1-15.5$	Wed	14:00-15:15	\ddot{GOR} 226	Economic Models and Evolutionary Game Theory I (with
				BP, DY)
SOE $16.1-16.6$	Wed	15:30-17:00	\ddot{GOR} 226	Networks: From Topology to Dynamics III (with BP, DY)
SOE 17.1–17.3	Wed	17:15-18:00	\ddot{GOR} 226	Socio-Economic Systems
SOE 18.1–18.11	Thu	10:15-13:15	\ddot{GOR} 226	Financial Markets and Risk Management I
SOE 19.1–19.4	Thu	14:00-15:00	\ddot{GOR} 226	Economic Models and Evolutionary Game Theory II (with
				BP, DY)
SOE $20.1-20.8$	Thu	15:00-17:15	\ddot{GOR} 226	Networks: From Topology to Dynamics IV (with BP, DY)
SOE $21.1-21.3$	Fri	10:15-11:00	\ddot{GOR} 226	Traffic Dynamics, Urban and Regional Systems
SOE $22.1-22.6$	Fri	11:15-12:45	\ddot{GOR} 226	Social Systems, Opinion and Group Dynamics II

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

Tuesday March, 15 18:45-19:30 GÖR 226