

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

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Overview of Invited Talks and Sessions

(HSZ 03 and ZEU 260; Poster HSZ 02)

Invited Talks

SOE 5.1	Tue	9:30–10:00	ZEU 260	Digital Pandemology – Is that physics? — ●DIRK BROCKMANN
SOE 14.1	Thu	9:30–10:00	ZEU 260	Networks in space and time – Exploring the physics in graph learning — ●INGO SCHOLTES
SOE 21.1	Fri	9:30–10:00	ZEU 260	Marginal Stability and Excess volatility in firm networks — ●JEAN-PHILIPPE BOUCHAUD

Invited Talks of the joint Symposium Dynamics of Opinion Formation – From Quorum Sensing to Polarization (SYOF)

See SYOF for the full program of the symposium.

SYOF 1.1	Mon	9:30–10:00	HSZ 01	Towards understanding of the social hysteresis – insights from statistical physics — ●KATARZYNA SZNAJD-WERON
SYOF 1.2	Mon	10:00–10:30	HSZ 01	Polarization in attitude distributions from surveys and models of continuous opinion dynamics — ●JAN LORENZ, MARTIN GESTEFELD
SYOF 1.3	Mon	10:30–11:00	HSZ 01	Collective patterns and stable misunderstandings in networks striving for consensus without a common value system — ●JOHANNES FALK, EDWIN EICHLER, KATJA WINDT, MARC-THORSTEN HÜTT
SYOF 1.4	Mon	11:15–11:45	HSZ 01	A yet undetected cognitive bias, revealed by opinion dynamics simulations — ●GUILLAUME DEFFUANT
SYOF 1.5	Mon	11:45–12:15	HSZ 01	Extreme switches in kinetic exchange models of opinion. — ●PARONGAMA SEN, KATHAKALI BISWAS

Invited Talks of the joint Symposium SKM Dissertation Prize 2023 (SYSD)

See SYSD for the full program of the symposium.

SYSD 1.1	Mon	9:30–10:00	HSZ 04	Diffusion of antibodies in solution: from individual proteins to phase separation domains — ●ANITA GIRELLI
SYSD 1.2	Mon	10:00–10:30	HSZ 04	Intermediate Filament Mechanics Across Scales — ●ANNA V. SCHEPERS
SYSD 1.3	Mon	10:30–11:00	HSZ 04	Ultrafast Probing and Coherent Vibrational Control of a Surface Structural Phase Transition — ●JAN GERRIT HORSTMANN
SYSD 1.4	Mon	11:00–11:30	HSZ 04	Electro-active metasurfaces employing metal-to-insulator phase transitions — ●JULIAN KARST
SYSD 1.5	Mon	11:30–12:00	HSZ 04	The role of unconventional symmetries in the dynamics of many-body systems — ●PABLO SALA

Sessions

SOE 1.1–1.3	Sun	16:00–18:15	HSZ 02	Tutorial: Stochastic Processes of Opinion Formation (joint session SOE/TUT)
SOE 2.1–2.1	Mon	12:30–13:00	ZEU 250	Invited Talk: Dynamics of Networks (joint session DY/SOE)
SOE 3.1–3.2	Mon	15:00–17:00	HSZ 03	Award Session: Young Scientist Award for Socio- and Economics (YSA)
SOE 4.1–4.14	Mon	17:00–19:00	P2/OG2	Poster
SOE 5.1–5.1	Tue	9:30–10:00	ZEU 260	Physics of Contagion Processes I (joint session SOE/DY)
SOE 6.1–6.3	Tue	10:00–10:45	ZEU 260	Physics of Contagion Processes II (joint session SOE/DY)
SOE 7.1–7.5	Tue	11:00–12:15	ZEU 260	Networks: From Topology to Dynamics I (joint session SOE/DY)
SOE 8.1–8.4	Tue	14:00–15:00	ZEU 260	Semantic Networks, Language and Culture
SOE 9.1–9.5	Wed	9:30–11:45	ZEU 260	Focus Session: Critical Transitions in Society, Economy, and Nature (joint session SOE/DY)
SOE 10.1–10.6	Wed	15:00–16:30	ZEU 260	Traffic Dynamics, Urban and Regional Systems I
SOE 11.1–11.6	Wed	16:45–18:15	ZEU 260	Traffic Dynamics, Urban and Regional Systems II
SOE 12	Wed	18:30–19:30	ZEU 260	Members' Assembly
SOE 13.1–13.8	Thu	9:30–12:00	MOL 213	Data Analytics of Complex Dynamical Systems (joint session DY/SOE)
SOE 14.1–14.1	Thu	9:30–10:00	ZEU 260	Networks: From Topology to Dynamics II (joint session SOE/DY)
SOE 15.1–15.3	Thu	10:00–10:45	ZEU 260	Networks: From Topology to Dynamics III (joint session SOE/DY)
SOE 16.1–16.5	Thu	11:00–12:15	ZEU 260	Collective Dynamics in Animal and Human Societies
SOE 17.1–17.2	Thu	15:00–15:30	ZEU 260	Evolutionary Game Theory (joint session SOE/DY)
SOE 18.1–18.4	Thu	15:30–16:30	ZEU 260	Social Systems, Opinion and Group Dynamics I
SOE 19.1–19.5	Thu	16:45–18:00	ZEU 260	Social Systems, Opinion and Group Dynamics II
SOE 20.1–20.8	Fri	9:30–11:45	ZEU 250	Networks: From Topology to Dynamics IV (joint session DY/SOE)
SOE 21.1–21.1	Fri	9:30–10:00	ZEU 260	Financial Markets and Risk Management I
SOE 22.1–22.3	Fri	10:00–10:45	ZEU 260	Financial Markets and Risk Management II
SOE 23.1–23.4	Fri	11:00–12:00	ZEU 260	Economic Models

Members' Assembly of the Physics of Socio-economic Systems Division

Wednesday 18:30–19:30 ZEU 260

- Bericht
- Verschiedenes