

Dynamics and Statistical Physics Division Fachverband Dynamik und Statistische Physik (DY)

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Overview of Invited Talks and Sessions

(Lecture rooms: HÜL 186, ZEU 118, ZEU 146, and ZEU 160; Posters: P1 and P3)

Invited Talks

DY 2.1	Mon	9:30–10:00	HÜL 186	Welcome to Twin Peaks: momentum-space signatures of Anderson localization — ●CORD A. MÜLLER
DY 5.1	Mon	15:00–15:30	HÜL 186	Feedback and information processing in stochastic thermodynamics — ●UDO SEIFERT
DY 5.2	Mon	15:30–16:00	HÜL 186	Thermophoretic trapping and steering of single nano-objects with plasmonic nanostructures — ●FRANK CICHOS, ANDREAS BREGULLA, MARCO BRAUN, HAW YANG
DY 5.7	Mon	17:15–17:45	HÜL 186	Feedback control in quantum transport — ●CLIVE EMARY
DY 6.1	Mon	15:00–15:30	ZEU 160	Odd Bose condensation far from equilibrium — DANIEL VORBERG, WALTRAUT WUSTMANN, ROLAND KETZMERICK, ●ANDRÉ ECKARDT
DY 8.7	Mon	16:45–17:15	ZEU 118	Self-organized criticality in Hamiltonian spin systems: intriguingly ordinary or ordinarily intriguing? — ●HELMUT G. KATZGRABER
DY 9.1	Tue	9:30–10:00	HÜL 186	From epilepsy to migraine to stroke: A unifying framework. — ●MARKUS A DAHLEM
DY 9.2	Tue	10:00–10:30	HÜL 186	Non-standard Interactions in Networks: Synchrony and the Emergence of Neural Activity Patterns — ●MARC TIMME, SVEN JAHNKE, RAOUL-MARTIN MEMMESHEIMER, WEN-CHUANG CHOU, CHRISTIAN TETZLAFF
DY 9.3	Tue	10:30–11:00	HÜL 186	Towards a dynamic map of neuronal circuits — ●ALIPASHA VAZIRI
DY 21.10	Wed	17:30–18:00	HÜL 186	Episodic Precipitation — ●JÜRGEN VOLLMER
DY 26.1	Thu	9:30–10:00	HÜL 186	The memory of sand — ●MATTHIEU WYART
DY 26.2	Thu	10:00–10:30	HÜL 186	Complex rheology at the jamming transition: shear thickening, shear thinning, shear banding — ●CLAUS HEUSSINGER
DY 43.1	Fri	9:30–10:00	HÜL 186	Critical Rheology of Weakly Vibrated Granular Media — ●MARTIN VAN HECKE
DY 43.5	Fri	11:00–11:30	HÜL 186	A Granular Ratchet: Spontaneous Symmetry Breaking and Fluctuation Theorems in a Granular Gas — ●DEVARAJ VAN DER MEER, SYLVAIN JOUBAUD, PETER ESHUIS, KO VAN DER WEELE, DETLEF LOHSE

Invited talks of the joint symposium SYEE

See SYEE for the full program of the symposium.

SYEE 1.1	Wed	15:00–15:30	HSZ 02	Smart Grids - From incentives to coupled markets — ●RUDOLF SOL-LACHER
SYEE 1.2	Wed	15:30–16:00	HSZ 02	Energy and the economy — ●REINER KÜMMEL
SYEE 1.3	Wed	16:00–16:30	HSZ 02	Planetary constraints to energy supply and the economy — ●OLIVER RICHTERS
SYEE 1.4	Wed	16:45–17:15	HSZ 02	Identifying critical infrastructures in complex supply networks — ●DIRK WITTHAUT
SYEE 1.5	Wed	17:15–17:45	HSZ 02	Short time fluctuations of renewable energies — ●JOACHIM PEINKE, M. REZA RAHIMI TABAR, PATRICK MILAN, MATTHIAS WÄCHTER

Invited talks of the joint symposium SYCP

See SYCP for the full program of the symposium.

SYCP 1.1	Thu	9:30–10:00	HSZ 02	Why do polymer collapse and polymer topology frustrate each other — ●ALEXANDER Y. GROSBERG
SYCP 1.2	Thu	10:00–10:30	HSZ 02	Nanoscopy of nuclear Genome Structure — ●CHRISTOPH CREMER
SYCP 1.3	Thu	10:30–11:00	HSZ 02	Blood Clotting Inspired Polymer Physics — ●ALFREDO ALEXANDER-KATZ
SYCP 1.4	Thu	11:15–11:45	HSZ 02	Modeling dynamic spatial genome organization in yeast — ●CHRISTOPHE ZIMMER
SYCP 1.5	Thu	11:45–12:15	HSZ 02	Ring polymers in the melt state: the physics of crumpling — ●RALF EVERAERS, ANGELO ROSA

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Sessions

DY 1.1–1.3	Sun	16:00–18:15	HSZ 105	Tutorial: Non-Equilibrium Dynamics
DY 2.1–2.8	Mon	9:30–12:00	HÜL 186	Quantum Dynamics, Decoherence and Quantum Information
DY 3.1–3.8	Mon	9:30–11:45	ZEU 160	Statistical Physics far from Thermal Equilibrium - Part I
DY 4.1–4.7	Mon	9:30–11:15	ZEU 146	Anomalous Diffusion
DY 5.1–5.7	Mon	15:00–17:45	HÜL 186	Focus Session: Feedback Control of Nonlinear Soft and Hard Matter Systems (joint session DY/CPP)
DY 6.1–6.8	Mon	15:00–17:30	ZEU 160	Statistical Physics far from Thermal Equilibrium - Part II
DY 7.1–7.9	Mon	15:00–17:30	ZEU 146	Glasses (joint session DY/ DF/ CPP)
DY 8.1–8.11	Mon	15:00–18:15	ZEU 118	Critical Phenomena and Phase Transitions
DY 9.1–9.5	Tue	9:30–11:30	HÜL 186	Focus Session: Dynamical Patterns in Neural Systems: From Brain Function to Dysfunction (joint session DY/ BP)
DY 10.1–10.11	Tue	9:30–12:30	ZEU 160	Nonlinear Stochastic Systems
DY 11.1–11.11	Tue	9:30–12:30	ZEU 146	Microswimmers (joint session DY/ BP)
DY 12.1–12.7	Tue	9:30–11:30	ZEU 118	Complex Fluids and Soft Matter (joint session DY/ CPP/ BP)
DY 13.1–13.38	Tue	9:30–12:30	P1	Poster - Glasses / Stat. Phys. Bio. / Networks (joint session DY/BP/CPP/SOE)
DY 14.1–14.4	Tue	15:00–16:00	GÖR 226	Networks, From Topology to Dynamics I (joint session SOE/DY/ BP)
DY 15.1–15.8	Wed	9:30–11:45	HÜL 186	Nonlinear Dynamics, Synchronization and Chaos - Part I
DY 16.1–16.9	Wed	9:30–12:00	ZEU 160	Statistical Physics in Biological Systems (joint session DY/ BP)
DY 17.1–17.8	Wed	9:30–11:45	ZEU 146	Modeling and Data Analysis
DY 18.1–18.12	Wed	9:30–12:45	ZEU 118	Granular Matter / Contact Dynamics
DY 19.1–19.6	Wed	11:45–13:15	GÖR 226	Energy Meets Economy: Dynamics and Statistics of Future Energy Systems (joint session SOE/DY/ jDPG)
DY 20.1–20.8	Wed	14:00–16:30	ZEU 250	Focus Session: Modelling of Non-linear Dynamics in Biological Movement (joint session BP/ DY)
DY 21.1–21.10	Wed	15:00–18:00	HÜL 186	Pattern Formation
DY 22.1–22.12	Wed	15:00–18:15	ZEU 160	Statistical Physics (general)
DY 23.1–23.14	Wed	15:00–18:45	ZEU 146	Quantum Chaos

DY 24.1–24.14	Wed	15:00–18:45	ZEU 118	Networks - Statistics and Dynamics (joint session DY/ BP/ SOE)
DY 25.1–25.5	Wed	15:00–17:45	HSZ 02	Symposium SYEE: Energy Meets Economy: Dynamics and Statistics of Future Energy Systems (joint session SOE/ DY)
DY 26.1–26.9	Thu	9:30–12:30	HÜL 186	Focus Session: Slow Dynamics in Glasses and Granular Matter I (joint session DY/ CPP/ DF)
DY 27.1–27.9	Thu	9:30–12:00	ZEU 160	Nonlinear Dynamics, Synchronization and Chaos - Part II
DY 28.1–28.10	Thu	9:30–12:15	ZEU 146	Extreme Events
DY 29.1–29.5	Thu	9:30–12:15	HSZ 02	Symposium SYCP: The Collapsed State of Polymers: From Physical Concepts to Applications and Biological Systems (joint session CPP, BP, DY)
DY 30.1–30.9	Thu	10:00–12:30	POT 081	Graphene-Like Materials: Silicene, MoS₂ and Relatives (joint session HL/DY/DS/MA/O/TT)
DY 31.1–31.5	Thu	11:00–12:15	GÖR 226	Evolutionary Game Theory and Economic Models (joint session SOE/ BP/ DY)
DY 32.1–32.3	Thu	11:45–12:45	ZEU 114	Glasses and Glass Transition - Part I (joint session CPP/ DY/DF)
DY 33.1–33.3	Thu	12:15–13:00	GÖR 226	Networks, From Topology to Dynamics - Part II (joint session SOE/ DY/ BP)
DY 34.1–34.5	Thu	15:00–17:45	HSZ 02	Symposium SYGP: Stochastic Dynamics of Growth Processes in Biological and Social Systems
DY 35.1–35.9	Thu	15:00–17:30	HÜL 186	Reaction-Diffusion Systems
DY 36.1–36.8	Thu	15:00–17:15	ZEU 160	Brownian Motion and Transport
DY 37.1–37.6	Thu	15:00–16:30	ZEU 146	Fluid Dynamics and Turbulence
DY 38.1–38.7	Thu	15:00–17:30	ZEU 114	Glasses and Glass Transition - Part II (joint session CPP/ DY/DF)
DY 39.1–39.11	Thu	15:00–18:00	POT 081	Graphene: Spintronics, Transistors, and Sensors (joint session HL/DY/DS/MA/O/TT)
DY 40.1–40.33	Thu	17:00–19:00	P3	Poster - Quantum Systems/ Stat. Phys./ Diffusive Process
DY 41.1–41.48	Thu	17:00–19:00	P3	Poster - Pattern/ Nonlinear Dyn./ Fluids/ Granular/ Critical Phen.
DY 42	Thu	19:00–20:00	ZEU 160	Annual General Meeting of DY
DY 43.1–43.8	Fri	9:30–12:15	HÜL 186	Focus session: Slow Dynamics in Glasses and Granular Matter II (joint session DY/ CPP/ DF)
DY 44.1–44.7	Fri	11:15–13:00	POT 081	Graphene: Interaction With the Substrate (joint session HL/DY/DS/MA/O/TT)
DY 45.1–45.7	Fri	11:30–13:15	CHE 89	Graphene (joint session DS/ TT/ MA/ HL/ DY/ O)

Annual General Meeting of the Dynamics and Statistical Physics Division

Thursday 19:00–20:00 ZEU 160

All members of the Dynamics and Statistical Physics Division are invited to participate in our annual meeting. The proposed topics are:

- reports and comments on the actual meeting
- spring meeting 15.03. - 20.03.2015 in Berlin
- miscellaneous