

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

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Overview of Invited Talks and Sessions (lecture rooms H38, H42, H45, H46, and H47; poster B2 and C)

Plenary Talk of the division DY

PV X Thu 8:30– 9:15 H1 **Complex Networks: From Statistical Physics to the Cell** — ●ALBERT-LASZLO BARABASI

Invited and Topical Talks

DY 2.1	Mon	10:15–10:45	H45	Noise during rest enables the exploration of the brain's dynamic repertoire — ●VIKTOR JIRSA
DY 5.1	Mon	14:00–14:30	H45	Nonlinear dynamics and control of migraine waves — ●MARKUS DAHLEM
DY 7.1	Tue	9:30–10:00	H46	Directing Brownian motion: Negative mobility and beyond — ●RALF EICHHORN
DY 8.11	Tue	12:30–13:00	H38	Quantum search algorithms and quantum communication on networks — ●GREGOR TANNER
DY 11.1	Tue	14:00–14:30	H38	AC-driven quantum systems: cold atom ratchets and beyond — ●SERGEY DENISOV
DY 13.1	Wed	9:30–10:00	H47	Glass transition in driven granular fluids — ●ANNETTE ZIPPELIUS
DY 17.7	Wed	12:45–13:15	H38	Anomalous Diffusion and Fractional Time — ●R. HILFER
DY 19.1	Wed	14:00–14:30	H38	Chaotic Scattering in Microwave Billiards With and Without Time-Reversal Invariance — ●BARBARA DIETZ
DY 24.1	Thu	9:30–10:00	H47	Wind energy conversion - how statistical physics can improve our future energy supply — ●STEPHAN BARTH
DY 24.10	Thu	12:30–13:00	H47	Puzzles in Eulerian and Lagrangian turbulence — ●RAINER GRAUER
DY 28.1	Thu	14:00–14:30	H47	Static correlation functions of integrable quantum chains — ●FRANK GÖHMANN
DY 31.1	Fri	10:15–10:45	H38	Real-time transport and dynamics in strongly interacting one-dimensional systems — ●FABIAN HEIDRICH-MEISNER
DY 31.9	Fri	12:30–13:00	H38	Noise controlled transport in constrained geometries — ●FABIO MARCHESONI

Invited talks of the joint symposium SYEL

See SYEL for the full program of the Symposium.

SYEL 1.1	Mon	10:00–10:30	H1	Energy Landscapes of clusters, glasses, and biomolecules — ●DAVID WALES
SYEL 1.2	Mon	10:30–11:00	H1	Order parameters and energy landscapes for protein folding and misfolding — ●STEVEN PLOTKIN
SYEL 1.3	Mon	11:00–11:30	H1	Nuclear Spins Reveal the Microscopic Nature of Tunneling Systems in Glasses — ●CHRISTIAN ENSS
SYEL 1.4	Mon	11:30–12:00	H1	Energy landscapes and phase transitions — ●LAPO CASETTI
SYEL 1.5	Mon	12:00–12:30	H1	Phase transitions in spin glasses — ●PETER YOUNG
SYEL 1.6	Mon	12:30–13:00	H1	Statistical physics of inverse problems — ●RICCARDO ZECCHINA

Invited talks of the joint symposium SYAT

See SYAT for the full program of the Symposium.

SYAT 1.1	Wed	14:30–15:00	H1	Aging, ergodicity breaking and universal fluctuations in continuous time random walks: Theory and (possible) experimental manifestations — •IGOR SOKOLOV
SYAT 1.2	Wed	15:00–15:30	H1	Distinguishing anomalous from simple diffusion in crowded solutions and in cells with fluorescence correlation spectroscopy — •CECILE FRADIN, DANIEL BANKS, SHYEMAA SHEHATA, FELIX WONG, ROBERT PETERS
SYAT 1.3	Wed	15:30–16:00	H1	Exploring Diffusion in Nanostructured Systems with Single Molecule Probes: From Nanoporous Materials to Living Cells — •CHRISTOPH BRÄUCHLE
SYAT 2.1	Wed	16:30–17:00	H1	The Lorentz model: a paradigm of anomalous transport — •FELIX HÖFLING
SYAT 2.2	Wed	17:00–17:30	H1	Viscoelastic subdiffusion: from anomalous to normal — •IGOR GOYCHUK
SYAT 2.3	Wed	17:30–18:00	H1	Phase transitions, liquid micro-compartments, and embryonic patterning — •CLIFFORD BRANGWYNNE, JÖBIN GHARAKHANI, ANTHONY HYMAN, FRANK JÜLICHER

Sessions

DY 1.1–1.11	Mon	10:15–13:00	H47	Statistical Physics (general) I
DY 2.1–2.10	Mon	10:15–13:00	H45	Statistical Physics of Biological Systems I (joint session of BP + DY)
DY 3.1–3.8	Mon	14:00–16:00	H42	Complex energy landscapes (addendum to SYEL)
DY 4.1–4.8	Mon	14:00–16:00	H47	Statistical Physics (general) II
DY 5.1–5.10	Mon	14:00–17:00	H45	Statistical Physics of Biological Systems II (joint session of BP + DY)
DY 6.1–6.56	Mon	16:00–18:00	Poster B2	Poster Session I
DY 7.1–7.12	Tue	9:30–12:45	H46	Stochastic processes, brownian motion, and transport
DY 8.1–8.11	Tue	10:00–13:00	H38	Quantum Dynamics, Decoherence, and Quantum Information I
DY 9.1–9.9	Tue	10:00–12:15	H47	Granular Matter/ Contact Dynamics I
DY 10.1–10.9	Tue	14:00–16:15	H46	Nonlinear Dynamics I
DY 11.1–11.8	Tue	14:00–16:15	H38	Quantum Dynamics, Decoherence, and Quantum Information II
DY 12.1–12.6	Tue	14:30–16:00	H47	Soft Matter I
DY 13.1–13.11	Wed	9:30–12:30	H47	Granular Matter/ Contact Dynamics II
DY 14.1–14.9	Wed	10:15–12:45	H44	Networks: From Topology to Dynamics I (joint session of BP, DY, SOE)
DY 15.1–15.4	Wed	10:00–11:00	H46	Reaction Diffusion Systems
DY 16.1–16.6	Wed	9:30–11:00	H38	Anomalous Transport I (talks contributed by BP)
DY 17.1–17.7	Wed	11:15–13:15	H38	Anomalous Transport II (talks contributed by DY)
DY 18.1–18.11	Wed	14:00–17:30	H48	Glasses I (joint session of CPP, DF, DY)
DY 19.1–19.15	Wed	14:00–18:15	H38	Quantum Chaos
DY 20.1–20.7	Wed	14:30–16:15	H47	Phase Transitions and Critical Phenomena I
DY 21.1–21.5	Wed	16:30–17:45	H47	Soft Matter II
DY 22.1–22.1	Thu	9:30–10:15	H44	Networks: From Topology to Dynamics II (joint session of BP, DY, SOE)
DY 23.1–23.10	Thu	10:15–13:00	H44	Networks: From Topology to Dynamics III (joint session of BP, DY, SOE)
DY 24.1–24.10	Thu	9:30–13:00	H47	Turbulence and wind energy
DY 25.1–25.11	Thu	9:45–12:30	H38	Glasses II (joint session of CPP, DF, DY)
DY 26.1–26.7	Thu	14:00–16:00	H44	Networks: From Topology to Dynamics IV (joint session of BP, DY, SOE)
DY 27.1–27.5	Thu	16:00–17:15	H44	Networks: From Topology to Dynamics V (joint session of BP, DY, SOE)
DY 28.1–28.7	Thu	14:00–16:00	H47	Phase transitions and Critical Phenomena II
DY 29.1–29.8	Thu	14:00–16:00	H46	Spatially Extended Dynamical Systems
DY 30.1–30.53	Thu	16:00–18:00	Poster C	Posters II
DY 31.1–31.9	Fri	10:15–13:00	H38	Statistical Physics far from Equilibrium

DY 32.1–32.9	Fri	10:15–12:30	H47	Fluid Dynamics
DY 33.1–33.7	Fri	10:45–12:30	H46	Nonlinear Dynamics II

Annual General Meeting of the Dynamics and Statistical Physics Division

Donnerstag, 25.3.2010 19:00–20:00 Raum H 46

- Bericht
- Verschiedenes