

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

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Overview of Invited Talks and Sessions

Invited Talks

DY 4.1	Mon	9:00– 9:30	DYc	X-ray tomography investigation of cyclically sheared granular materials — ●YUJIE WANG
DY 7.1	Mon	10:00–10:30	DYa	Can convective heat transport be more efficient than the so-called 'ultimate' regime? — ●BASILE GALLET
DY 15.1	Mon	16:00–16:30	DYb	Glassy physics: from liquids to living cells — ●LIESBETH JANSSEN
DY 18.1	Tue	9:00– 9:30	DYa	Reinforcement learning of microswimmer chemotaxis using genetic algorithms — ●ANDREAS ZÖTTL, BENEDIKT HARTL, MAXIMILIAN HÜBL, GERHARD KAHL
DY 22.1	Tue	10:00–10:30	DYc	Stability and dynamics of convection in dry salt lakes — ●LUCAS GOEHRING, JANA LASSER, MARCEL ERNST, MATTHEW THREADGOLD, CÉDRIC BEAUME, STEVEN TOBIAS
DY 27.1	Tue	14:00–14:30	DYa	Human exhaled particles from nanometres to millimetres — ●GHOLAMHOSSEIN BAGHERI
DY 29.1	Tue	14:00–14:30	DYc	Fingers, fractals, and flow in liquid metals — ●KAREN DANIELS
DY 31.1	Tue	15:40–16:10	DYb	Fixation and ancestry of competing species growing on a rugged front — ●MEHRAN KARDAR
DY 35.4	Wed	10:00–10:30	DYa	When surface viscosities rule: Bubble relaxation and thin film wrinkling — ●KIRSTEN HARTH
DY 37.1	Wed	9:00– 9:30	DYc	Physical properties of ultrastable computer-generated glasses — ●LUDOVIC BERTHIER
DY 44.1	Wed	14:00–14:30	DYb	Life in a tight spot: How bacteria swim in complex spaces — ●SUJIT DATTA
DY 45.1	Wed	14:00–14:30	DYc	Small diffusive systems warm up faster than they cool down — ALESSIO LAPOLLA, ●ALJAZ GODEC

Sessions

DY 1.1–1.14	Mon	9:00–16:30	CPPb	Wetting - organized by Stefan Karpitschka (Max Planck Institute for Dynamics and Self-Organization, Göttingen) (joint session CPP/DY)
DY 2.1–2.3	Mon	9:00–10:00	DYa	Fluid Physics 1 - organized by Stephan Weiss and Michael Wilczek (Göttingen)
DY 3.1–3.5	Mon	9:00–10:40	DYb	Statistical Physics 1 - organized by Barbara Drossel (Darmstadt), Sabine Klapp (Berlin) and Thomas Speck (Mainz)
DY 4.1–4.1	Mon	9:00– 9:30	DYc	Invited Talk: Yujie Wang (Shanghai)
DY 5.1–5.4	Mon	9:00–11:00	BPb	Active Biological Matter I (joint session BP/DY/ CPP)
DY 6.1–6.3	Mon	9:30–10:30	DYc	Granular Physics 1 - organized by Matthias Sperl (Köln)
DY 7.1–7.1	Mon	10:00–10:30	DYa	Invited Talk: Basile Gallet (Saclay)
DY 8.1–8.6	Mon	11:00–13:00	DYa	Fluid Physics 2 - organized by Stephan Weiss and Michael Wilczek (Göttingen)
DY 9.1–9.6	Mon	11:00–13:00	DYb	Statistical Physics 2 - organized by Barbara Drossel (Darmstadt), Sabine Klapp (Berlin) und Thomas Speck (Mainz)
DY 10.1–10.6	Mon	11:00–13:00	DYc	Granular Physics 2 - organized by Matthias Sperl (Köln)
DY 11.1–11.6	Mon	11:00–13:30	BPb	Active Biological Matter II (joint session BP/ CPP/DY)

DY 12.1–12.22	Mon	14:00–16:30	DYp	Posters DY - Fluid Physics, Active Matter, Complex Fluids, Soft Matter and Glasses (joint session DY/BP)
DY 13.1–13.7	Mon	15:00–17:20	DYc	Granular Physics 3 - organized by Matthias Sperl (Köln)
DY 14.1–14.6	Mon	16:00–18:00	DYa	Microfluidics and Droplets - organized by Uwe Thiele (Münster)
DY 15.1–15.1	Mon	16:00–16:30	DYb	Invited Talk: Liesbeth Janssen (Eindhoven)
DY 16.1–16.4	Mon	16:30–17:50	DYb	Statistical Physics 3 - organized by Barbara Drossel (Darmstadt), Sabine Klapp (Berlin) and Thomas Speck (Mainz)
DY 17.1–17.13	Tue	9:00–16:30	CPPb	Complex Fluids - organized by Christine M. Papadakis (Technical University of Munich, Garching) (joint session CPP/DY)
DY 18.1–18.1	Tue	9:00– 9:30	DYa	Invited Talk: Andreas Zöttl (Vienna)
DY 19.1–19.5	Tue	9:00–10:40	DYb	Statistical Physics 4 - organized by Barbara Drossel (Darmstadt), Sabine Klapp (Berlin) and Thomas Speck (Mainz)
DY 20.1–20.3	Tue	9:00–10:00	DYc	Nonlinear Dynamics 1 - organized by Azam Gholami (Göttingen)
DY 21.1–21.3	Tue	9:30–10:30	DYa	Active Matter 1 - organized by Carsten Beta (Potsdam), Andreas Menzel (Magdeburg) and Holger Stark (Berlin) (joint session DY/BP/ CPP)
DY 22.1–22.1	Tue	10:00–10:30	DYc	Invited Talk: Lucas Goehring (Nottingham)
DY 23.1–23.6	Tue	11:00–13:00	DYa	Active Matter 2 - organized by Carsten Beta (Potsdam), Andreas Menzel (Magdeburg) and Holger Stark (Berlin) (joint session DY/BP/ CPP)
DY 24.1–24.6	Tue	11:00–13:00	DYb	Dynamics and Statistical Physics - Open Session
DY 25.1–25.6	Tue	11:00–13:00	DYc	Nonlinear Dynamics 2 - organized by Azam Gholami (Göttingen)
DY 26.1–26.5	Tue	11:00–12:40	SOEa	Data Analytics for Complex Dynamical Systems (joint SOE/DY Focus Session) (joint session SOE/DY)
DY 27.1–27.9	Tue	14:00–17:10	DYa	Fluid Physics 3 - organized by Stephan Weiss and Michael Wilczek (Göttingen)
DY 28.1–28.5	Tue	14:00–15:40	DYb	Statistical Physics 5 - organized by Barbara Drossel (Darmstadt), Sabine Klapp (Berlin) and Thomas Speck (Mainz)
DY 29.1–29.1	Tue	14:00–14:30	DYc	Invited Talk: Karen Daniels (Raleigh)
DY 30.1–30.6	Tue	14:30–16:30	DYc	Complex Fluids and Soft Matter 1 - organized by Uwe Thiele (Münster) (joint session DY/ CPP)
DY 31.1–31.1	Tue	15:40–16:10	DYb	Invited Talk: Mehran Kardar (Boston)
DY 32.1–32.24	Tue	16:30–19:00	DYp	Posters DY - Statistical Physics, Brownian Motion and Nonlinear Dynamics
DY 33	Tue	17:45–18:30	BPb	Nationale Forschungsdateninfrastruktur (NDFI) (joint session BP/ CPP/DY/ SOE)
DY 34.1–34.10	Wed	9:00–14:40	CPPb	Theorie and Simulation - organized by Jens-Uwe Sommer (Leibniz-Institut für Polymerforschung Dresden, Dresden) (joint session CPP/DY)
DY 35.1–35.4	Wed	9:00–10:30	DYa	Complex Fluids and Soft Matter 2 - organized by Uwe Thiele (Münster) (joint session DY/ CPP)
DY 36.1–36.5	Wed	9:00–10:40	DYb	Active Matter 3 - organized by Carsten Beta (Potsdam), Andreas Menzel (Magdeburg) and Holger Stark (Berlin) (joint session DY/ BP)
DY 37.1–37.1	Wed	9:00– 9:30	DYc	Invited Talk: Ludovic Berthier (Montpellier)
DY 38.1–38.3	Wed	9:00–10:00	SOEa	Partial Synchronization in Networks (Focus Session joint with DY and BP) (joint session SOE/DY)
DY 39.1–39.3	Wed	9:30–10:30	DYc	Glasses and Glass Transition 1 - organized by Andreas Heuer (Münster) (joint session DY/ CPP)
DY 40.1–40.6	Wed	11:00–13:00	DYa	Complex Fluids and Soft Matter 3 - organized by Uwe Thiele (Münster) (joint session DY/ CPP)
DY 41.1–41.6	Wed	11:00–13:00	DYb	Active Matter 4 - organized by Carsten Beta (Potsdam), Andreas Menzel (Magdeburg) and Holger Stark (Berlin) (joint session DY/ BP)
DY 42.1–42.6	Wed	11:00–13:00	DYc	Glasses and Glass Transition 2 - organized by Andreas Heuer (Münster) (joint session DY/ CPP)
DY 43.1–43.6	Wed	14:00–16:00	DYa	Pattern Formation - organized by Azam Gholami (Göttingen)
DY 44.1–44.1	Wed	14:00–14:30	DYb	Invited Talk Sujit S. Datta (Princeton)
DY 45.1–45.7	Wed	14:00–16:30	DYc	Brownian Motion and Anomalous Transport - organized by Ralf Metzler (Potsdam)

DY 46.1–46.4 Wed 14:30–15:50 DYb **Active Matter 5 - organized by Carsten Beta (Potsdam), Andreas Menzel (Magdeburg) and Holger Stark (Berlin) (joint session DY/BP)**