

## Workshop: Driven and active amorphous matter

Venue for talks: MPI-DS Göttingen, Manfred Eigen Lecture Hall  
 Posters: MPI-DS Göttingen, Prandtl Room  
 Conference Dinner: Orangerie im Alten Botanischer Garten, Untere Karspüle 2, 37073 Göttingen

Invited / contributed talks: 50 / 25 minutes (max.) + questions

Day	Date	Time		Authors	Title
Mon	21/07/25	13:00	Registration & Coffee		
Mon	21/07/25	14:00	Invited talk	Kirsten Martens	Statistical physics of the yielding transition: Avalanches, criticality and universality
Mon	21/07/25	15:00	Contributed talk	Sven Pattloch	Controlling multi-stimuli elastic response by bistable micro-modules
Mon	21/07/25	15:30	Coffee break		
Mon	21/07/25	16:15	Contributed talk	Muhittin Mungan	Self-Organization and memory in randomly driven disordered systems -- dead or possibly alive
Mon	21/07/25	16:45	Contributed talk	Makoto Suda	Yielding and memory in a mean field model of glasses
Mon	21/07/25	17:15	Poster spotlights	Poster spotlights	
Mon	21/07/25	18:00	Poster session 1 & Welcome drinks	Poster session 1 & Welcome drinks	
Tue	22/07/25	09:00	Invited talk	Kazumasa Takeuchi	Glassy dynamics, polydispersity, and rearrangements of dense bacterial populations
Tue	22/07/25	10:00	Contributed talk	Yoshihito Uchida	Edge State in Dense Bacterial Suspension Driven by Asymmetric Channel Networks
Tue	22/07/25	10:30	Contributed talk	Nils Göth; Joachim Dzubiella	Chemical communication in suspensions of active particles
Tue	22/07/25	11:00	Coffee break		
Tue	22/07/25	11:45	Contributed talk	Deepak Kumar; Shubham Sharma	Statistical mechanics of an active wheel rolling in circles
Tue	22/07/25	12:15	Contributed talk	Stas Burov	Disorder-Induced Anomalous Mobility Enhancement in Confined Geometries
Tue	22/07/25	12:45	Lunch		
Tue	22/07/25	14:00	Invited talk	Mike Cates	Multiple interfacial tensions in active phase separation
Tue	22/07/25	15:00	Contributed talk	Letian Chen; Gunnar Pruessner	Numerical investigation of the Brownian $q = 2$ Potts Model
Tue	22/07/25	15:30	Coffee break		
Tue	22/07/25	16:15	Contributed talk	Heiko Rieger	Flocking with random non-reciprocal interactions
Tue	22/07/25	16:45	Break		
Tue	22/07/25	17:00	Public lecture & Panel discussion	Maziyar Jalaal	Light-Regulated Active & Adaptive Amorphous Matter
Wed	23/07/25	09:00	Invited talk	Silke Henkes	Self-shearing exotic rheology of model cell sheets
Wed	23/07/25	10:00	Contributed talk	Ali Tahaei	Cellular network instability triggers cell extrusions in solid-like epithelial tissues
Wed	23/07/25	10:30	Contributed talk	Yann-Edwin Keta; Silke Henkes	Correlations and order from active fluctuations in two-dimensional model cell sheets
Wed	23/07/25	11:00	Workshop photograph		
Wed	23/07/25	11:05	Coffee break		
Wed	23/07/25	11:45	Invited talk	Srikanth Sastry	Computer simulations and modeling of fatigue failure in glasses
Wed	23/07/25	12:45	Sponsor presentation	d-fine	Company presentation
Wed	23/07/25	12:55	Lunch		
Wed	23/07/25	14:00	Invited talk	Elisabeth Agoritsas	Memory formation in driven disordered systems
Wed	23/07/25	15:00	Contributed talk	Matthias Schmidt	Statistical mechanical gauge invariance, neural functionals, and their relevance for active systems
Wed	23/07/25	15:30	Free for guided tours etc		
Wed	23/07/25	19:00	Conference dinner	Conference dinner	
Thu	24/07/25	09:00	Invited talk	Jörg Rottler	Connected Network Model for the Mechanical Loss of Amorphous Materials
Thu	24/07/25	10:00	Contributed talk	Vijayakumar Chikkadi	Visualising Structural Defects in Amorphous Solids Using Colloidal Suspensions
Thu	24/07/25	10:30	Contributed talk	Mikko Alava; Silvia Bonfanti; Tero Mäkinen; Anshul Deep Singh Parmar	Quantifying and Predicting Plasticity in Metallic Glasses
Thu	24/07/25	11:00	Coffee break		
Thu	24/07/25	11:45	Invited talk	Liesbeth Janssen	Glassy dynamics in active matter
Thu	24/07/25	12:45	Lunch		
Thu	24/07/25	14:00	Invited talk	Ludovic Berthier	Chaotic Flows Generated by Non-Reciprocal Interactions in Dense Particle Systems
Thu	24/07/25	15:00	Contributed talk	Ludovic Berthier; Saroj Kumar Nandi; Puneet Pareek; Peter Sollich	Tunable fragility and reentrant dynamics in active glasses of self-propelled particles
Thu	24/07/25	15:30	Coffee break		
Thu	24/07/25	16:15	Contributed talk	Mingyuan Zheng; Dmytro Khomenko; Patrick Charbonneau	Not-so-glass-like Caging and Fluctuations of an Active Matter Model
Thu	24/07/25	16:45	Invited talk	Pinaki Chaudhuri	Modeling squishy matter: probing mechanical response
Thu	24/07/25	17:45	Break		
Thu	24/07/25	18:00	Poster session 2 & Drinks	Poster session 2 & Drinks	
Fri	25/07/25	09:00	Invited talk	Matthias Fuchs	A self-consistent current response theory of un-jamming and vibrations in glass
Fri	25/07/25	10:00	Contributed talk	Tirthankar Banerjee	Hydrodynamics of pulsating liquids
Fri	25/07/25	10:30	Contributed talk	Hongyi Xiao (Dr. B. Zhang)	Collective dynamics of dense active granular pentagons with many-body particle interactions
Fri	25/07/25	11:00	Coffee break		
Fri	25/07/25	11:45	Contributed talk	Yuta Kuroda	Long-range translational order and hyperuniformity in two-dimensional chiral active crystal
Fri	25/07/25	12:15	Contributed talk	Tomer Markovich	Odd Elasticity in Disordered Chiral Active Materials
Fri	25/07/25	12:45	Closing & Lunch		