

Final Program / DAAD Workshop: From Disorder to Topology

Sunday, 16 November 2025: Arrival and pre-discussions

Monday, 17 November 2025

	Arrival & lunch/Mensa	
12:45-13:00	Opening remarks	Title
13:00 – 13:45	Subir Das (inv), JNCASR Bangalore	Kinetics of Phase Ordering for Different Starting Temperatures: Counterintuitive features in certain simple spin systems
13:45-14:15	Lambert Münster, TU Chemnitz	Griffiths phases in disordered spin systems
14:15-14:45	Denis Gessert, U Leipzig	Mazelike striped phase in the frustrated J1-J2 Ising model on the honeycomb lattice
14:45-15:15	Coffee & tea break	
15:15-16:00	Gargee Sharma (inv), IIT Delhi	Interference and Disorder in Topological Fermions
16:00-17:00	Welcome Reception	

Tuesday, 18 November 2025

09:00 – 09:45	Mathias Kläui (inv), Universität Mainz	Spintronics and Orbitronics in 2D: from chirality effects to unconventional computing
09:45-10:15	Indraneel Sinha, IIT Delhi	Berry Phase Driven Anomalous Hall Effect in a Noncollinear Kagome Antiferromagnet
10:15-10:45	Nazma Firdosh, IIT Delhi	Interplay of Atomic-Scale disorder and Competing Magnetic Phases in Layered Antiferromagnets
10:45-11:15	Coffee & tea break	
11:15-12:00	Ramgopal Agrawal (inv), University Rome - remote-	The geometric phase transition of Wegner's Z_2 lattice gauge model
12:00-13:30	Lunch/ Mensa	
13:30-14:00	Christoph Tegenkamp, TU Chemnitz	Spin effects in low dimensional structures probed by surface transport
14:00-15:00	Poster flash talks	
15:00-15:30	Coffee & tea break	
15:30-18:00	Poster session	

Wednesday, 19 November 2025

10:30 – 13:45	City Tour, start from „Theaterplatz“ & Pizza (meeting at 10:15)
15:15-16:30	L. tour, TU Chemnitz
18:00	Conference Dinner (Wenzel Prager Bierstuben)

Thursday, 20 November 2025

09:00 – 09:45	Alex Hartmann(inv), Universität Oldenburg	Ferromagnet to spin glass transition for extended Ulam's increasing subsequences
09:45-10:15	Ritik Rajak, IIT Delhi	Role of Liquid Crystalline Textures on Trajectories of Active Brownian Particles
10:15-10:45	Thoai Ngo, TU Chemnitz	Proximity-induced electronic states in epitaxial graphene/SiC (0001) via Tin intercalation
10:45-11:15	Coffee & tea break	
11:15-12:00	Matthias Vojta (inv), TU Dresden	Frustration & disorder: spin liquids, spin glasses, and beyond
12:00-13:30	Lunch/ Mensa	
13:30-14:15	Mathias Bode (inv), Universität Würzburg	Kondo and beyond – recent insight from scanning probe measurements
14:15-14:45	Janett Prehl, TU Chemnitz	Scaling of the Mpemba effect in the Ising Model
14:45-15:30	Sanjay Puri (inv), JNU New Delhi -remote-	Domain Growth in Disordered Spin Systems
15:30-16:00	Coffee & tea break	
16:00-18:00	Poster session	

Friday, 21 November 2025

09:00 – 09:45	Felix Lüpke (inv), FZ Jülich	Characterization of topological boundary states at the nanoscale
09:45-10:15	Varsha Banerjee, IIT Delhi	Self-Assembly in Magnetic Colloids at Low Temperature
10:15-10:45	Martin Weigel, TU Chemnitz	Ising and Potts models in a random field: results from (quasi-)exact algorithms
10:45-11:15	Coffee & tea break	
11:15-12:00	Wolfhard Janke (inv), Universität Leipzig	Monte Carlo simulation study of long-range correlated disorder in the 3D Ising model
12:00-12:15	Closing remarks	
	Lunch/ Mensa	

Poster flash talks:

1	Zamin Mamiyev	Towards homogenous intercalation of In and Sn in epitaxial graphene/SiC systems
2	Julian Koch	Bi(110) islands on epitaxial graphene: a magnetotransport study
3	Markus Gruschwitz	Towards enhanced spin orbit coupling in epitaxial graphene via Pb intercalation
4	Ha Nguyen	Ambient STM investigation of chirality induced spin selectivity (CISS) in a molecular hybrid system
5	Rico Ehrler	The manifold role of a Ta adhesion layer in pressure-tuned Co/Pt multilayers
6	Peter Heinig	Parallel Stripe Domains in Tilted Magnetization Systems: From a Single Point of Irreversibility to Spin-Wave Interactions
7	Subham Naskar	Bismuth on EuO: A Candidate Higher-Order Topological Insulator
8	Harshita Chauhan	Self-Assembly of Magnetic Colloids in d=2
9	Denis Gessert	Mazelike striped phase in the frustrated J1-J2 Ising model on the honeycomb lattice
10	Tony Albers	Weak chaos, anomalous diffusion, and weak ergodicity breaking in systems with delay
11	David Müller-Bender	Analysis of Phase Transitions in the random-field Blume-Capel model via exact ground state calculations
12	Shashank Kallappara	The Ising model under Stochastic Resetting
13	Peter Henning	Random Field Ising Model and Front Propagation in Random Media