DGD Days 2016

Annual workshop
Schedule

SFB TRR 109 | Discretization in Geometry and Dynamics

Monday 10 October

13:00 – 14:00	Registration
	Coffee
14.00 – 14:15	Welcome address
14:15 – 15:15	Ulrich Bauer, C04 Persistent connections
	Short break (15 min)
15:30 – 16:30	**Plenary Talk** **Bernd Sturmfels** Nearest points on Toric Varieties
Starting 16:30	Welcome Reception
Starting 17:30	DGD Board

Tuesday 11 October

9:00 – 10:00	Michael Joswig, A11 A Tropical Isoperimetric Inequality
	Coffee break (30 min)
10:30 – 11:30	Martin Kilian, C01 Curved Folded Surfaces
	Lunch (90 min)
13:00 – 14:00	Sara Krause-Solberg, C02 Approximation of points on low-dimensional manifolds
	Daniel Karrasch, B09 A geometric heat-flow theory of Lagrangian coherent structures
	Coffee break (30 min)
14:30 – 15:30	Christian Kühn, new project A Tour through Multiple Time Scale Dynamics
	Coffee break (30 min)
Starting 16:00	DGD – general assembly
Starting 17:15	DGD movie "The Discrete Charm of Geometry"

Wednesday 12 October

9:00 – 10:00	Marco Cicalese, B08 Atomistic-to-continuum variational analysis of random lattice systems
	Coffee break (30 min)
10:30 – 11:30	Lucia de Luca, B08 Discrete differential geometry and 2D crystallization
	Dominik Jüstel, B08 The mathematics of radiation design: how to get discrete diffraction patterns
	Lunch (75 min)
12:45	**„Science meets History“** Meeting in front of lecture hall S-Bahn Trip
13:30	Guided tour through Tränenpalast
	City walk to Humboldt Forum
about 16:30	Coffee at Nikolaiviertel

Thursday 13 October

9:00 – 10:00	Ulrike Bücking, A01 Discrete Riemann Surfaces
	Coffee break (30 min)
10:30 – 11:30	Thilo Rörig, C01 New discrete and smooth nets from discrete principles
	Lunch (90 min)
13:00 – 14:00	Carsten Lange, A03 Convex Polytopes and Associated Colin-de-Verdière-Matrices
	Zi Ye, A02 Discrete extrinsic and intrinsic Dirac operator
	Coffee break (30 min)
14:30 – 15:30	Matteo Petrera, B02 A construction of commuting systems of integrable symplectic birational maps
15:30 – 16:30	Final remarks / discussion

General Information

all presentations in room MA 043
rooms for discussion: MA 042, MA 144, MA 868 and H-Café (MA 875)
Staff cantine at 9th floor, math building