BMS/SFB Summer School 2017: Discrete Models in Geometry and Mathematical Physics

Time Schedule: First week

All lectures take place in **Room MA 041** (follow the signs), Institute of Mathematics, TU Berlin, Strasse des 17. Juni 136, 10623 Berlin
Registration starts **Monday 9:00**.

	Monday 11	Tuesday 12	Wednesday 13	Thursday 14	Friday 15
9:30 – 11:00	9:00 Registration *Starting 10:00* *Welcome Session* Alexander Bobenko Yuri Suris Sabine Hunke	*Multivalued dynamics and Klein's Erlangen programme* Alexander Veselov	*Multivalued dynamics and Klein's Erlangen programme* Alexander Veselov	*On Thurston's vision in geometry, topology, and dynamics – and aspects of current research* Dierk Schleicher	*On Thurston's vision in geometry, topology, and dynamics – and aspects of current research* Dierk Schleicher
11:00 – 11:30	coffee break	coffee break	coffee break	coffee break	coffee break
11:30 – 13:00	*Random matrices, random graphs and integrability* Vladimir Kazakov	*Random matrices, random graphs and integrability* Vladimir Kazakov	*On Thurston's vision in geometry, topology, and dynamics – aspects of current research* Dierk Schleicher	*Random matrices, random graphs and integrability* Vladimir Kazakov	*The geometry of dimer models* David Cimasoni
13:00 – 14:30	lunch break (14:00 coffee)	lunch break (14:00 coffee)	lunch break (14:00 coffee)	lunch break (14:00 coffee)	lunch break (14:00 coffee)
14:30 – 16:00	*Multivalued dynamics and Klein's Erlangen programme* Alexander Veselov	*The geometry of dimer models* David Cimasoni	*The geometry of dimer models* David Cimasoni	*Discrete confocal quadrics* Alexander Bobenko	*Discrete confocal quadrics* Alexander Bobenko
Starting 17:00	*Get together*	Movie *Whispers of String Theory*		Movie *The Discrete Charm of Geometry*	

BMS/SFB Summer School 2017: Discrete Models in Geometry and Mathematical Physics

Time Schedule: Second week

All lectures take place in **Room MA 041** (follow the signs), Institute of Mathematics, TU Berlin, Strasse des 17. Juni 136, 10623 Berlin

	Monday 18	**Tuesday 19**	**Wednesday 20**	**Thursday 21**	**Friday 22**
9:30 – 11:00	*The geometry of the self-duality equations over a Riemann surface* Franz Pedit	*The geometry of the self-duality equations over a Riemann surface* Franz Pedit	*The geometry of the self-duality equations over a Riemann surface* Franz Pedit	*Lagrangian theory of integrable systems* Yuri Suris	
11:00 – 11:30	coffee break	coffee break	coffee break	coffee break	
11:30 – 13:00	*Cluster algebras and Coxeter groups* *Anna Felikson*	*Cluster algebras and Coxeter groups* *Anna Felikson*	*Cluster algebras and Coxeter groups* *Anna Felikson*	*Final Discussion* Alexander Bobenko Yuri Suris Sabine Hunke	
13:00 – 14:30	lunch break (14:00 coffee)	lunch break (14:00 coffee)	lunch break (14:00 coffee)	DEPARTURE	
14:30 – 16:00	*Discrete confocal quadrics* Alexander Bobenko	*Lagrangian theory of integrable systems* Yuri Suris	*Lagrangian theory of integrable systems* Yuri Suris		
Starting 17:00			*Soccer @ "Tempelhofer Feld"* ALTERNATIVELY: Movie *Colors of Math*		