

Program

Conference-school "Siberian summer school: Current developments in Geometry",

It will be held in Novosibirsk State University (Pirogova, 1 (rector's building), conference hall (room 212))

Monday, August 26	
09:00-09:30	Registration (Ground floor of the Novosibirsk State University)
09:30-10:25	B. Kim. <i>Gromov-Witten Theory and GLSM.</i>
10:30-11:25	C. Brav. <i>Derived deformation theory in non-commutative algebraic geometry.</i>
Coffee break (20 minutes)	
11:45-12:40	S. Barannikov. <i>Invariants of Morse complexes, persistent homology and their applications.</i>

Tuesday, August 27	
09:00-09:55	B. Kim. <i>Gromov-Witten Theory and GLSM.</i>
10:00-10:55	B. Kim. <i>Gromov-Witten Theory and GLSM.</i>
Coffee break (20 minutes)	
11:15-12:10	I. Taimanov. <i>Introduction to Integrable Surfaces.</i>
12:15-13:10	S. Barannikov. <i>Derived deformation theory, extended moduli spaces and solutions to WDVV equations.</i>

Wednesday, August 28	
Discussion day	

Thursday, August 29	
09:00-09:55	S. Barannikov. <i>Introduction to semi-infinite Hodge structures.</i>
10:00-10:55	D. Osipov. <i>Arithmetic of algebraic curves.</i>
Coffee break (20 minutes)	
11:15-12:10	C. Brav. <i>Derived deformation theory in non-commutative algebraic geometry.</i>
Short talks	
12:15-12:30	V. Kulikov. <i>Hypergeometric series and Mellin-Barnes integrals for zeros of the system of Laurent polynomials.</i>
12:30-12:45	D. Tyurin. <i>Milnor K-groups and Kahler differentials.</i>
12:45-13:00	K. Loginov. <i>Semistable degenerations of Fano varieties.</i>
13:00-13:15	I. Levin. <i>Isomorphism of Nakajima and Slodowy varieties.</i>

Friday, August 30	
09:00-09:55	D. Osipov. <i>Arithmetic of algebraic curves.</i>
10:00-10:55	D. Osipov. <i>Arithmetic of algebraic curves.</i>
Coffee break (20 minutes)	
11:15-12:10	C. Brav. <i>Derived deformation theory in non-commutative algebraic geometry.</i>
Short talks	
12:15-12:30	S. Abramyan. <i>Higher Whitehead products in moment-angle complexes and substitution of simplicial complexes.</i>
12:30-12:45	G. Papayanov. <i>Reconstruction of a Lie algebra from its universal enveloping.</i>
12:45-13:00	E. Zhuravleva. <i>Higher Whitehead products and L-infinity structures in toric topology.</i>
13:00-13:15	G. Chernykh. <i>SU-бордизмы и кольцо c_1-сферических бордизмов.</i>