

**Algebraic Topology and Abelian Functions**  
**Conference in honour of Victor Buchstaber on occasion of his 70th birthday**  
**Program**  
**MONDAY, JUNE 17**

From 9:00	<b>Registration, Lobby of Conference Hall, 9th floor</b>
9:50-17:35	<b>The "Novikov day" conference, <a href="http://novikovdays.mi.ras.ru/eng/">http://novikovdays.mi.ras.ru/eng/</a></b>
18:00	<b>Reception, Lobby of Conference Hall, 9th floor</b>

**TUESDAY, JUNE 18**

9:30-10:00	<b>Registration, Lobby of Conference Hall, 9th floor</b>			
	<b>Plenary lectures, Conference Hall, 9th floor</b>			
10:00-10:50	Anatoly Vershik	Dynamics of metrics and measures: new and old problems		
10:50-11:20	<b>Coffee break</b>			
11:20-12:10	Nigel Ray	Thom complexes and stable decompositions		
12:20-13:10	Andrey Mironov	Periodic and rapid decay rank two self-adjoint commuting differential operators		
13:10-15:00	<b>Lunch</b>			
	<b>Section lectures</b>			
	<b>Conference Hall, 9th floor</b>		<b>Room 530, 5th floor</b>	
15:00-15:40	Ivan Babenko	Some topological problems in systolic geometry	Sabir Gusein-Zade	Higher order generalized Euler characteristics and generating series
15:50-16:30	Carles Casacuberta	Cohomological localization towers	Nikolay Dolbilin	Parallelohedra and the Voronoi Conjecture
16:30-17:00	<b>Coffee break, 9th floor</b>			
17:00-17:40	Jelena Grbić	Hopf algebras and homotopy invariants	Matthias Franz	Equivariant cohomology, syzygies and orbit structure

## WEDNESDAY, JUNE 19

<b>Plenary lectures, Conference Hall, 9th floor</b>			
10:00-10:50	Günter Ziegler	On highly regular embeddings	
10:50-11:20	<b>Coffee break</b>		
11:20-12:10	Mikiya Masuda	Toric origami manifolds in toric topology	
12:20-13:10	Dong Youp Suh	Classification of complex projective towers up to dimension 8 and cohomological rigidity	
13:10-15:00	<b>Lunch</b>		
<b>Section lectures</b>			
<b>Room 430, 4th floor</b>		<b>Room 530, 5th floor</b>	
15:00-15:40	Oleg Musin	Tucker and Fan's lemma for manifolds	Malkhaz Bakuradze On some rational and integral complex genera
15:50-16:30	Rade Živaljević	Flat polyhedral complexes	Jie Wu Combinatorial group theory and the homotopy groups of finite complexes
16:40-17:20	Ivan Izmistiev	Kokotsakis polyhedra and elliptic functions	Vladimir Vershinin Brunnian and Conen braids and homotopy groups of spheres
18:30	<b>Conference Dinner, Conference Hall, 9th floor</b>		

## THURSDAY, JUNE 20

	Section lectures			
	Conference Hall, 9th floor		Room 530, 5th floor	
10:00-10:40	Theodore Voronov	Algebra of Densities	Yael Karshon	Non-compact symplectic toric manifolds
10:50-11:30	Hovhannes Khudaverdian	Operator pencils on densities	Yaroslav Bazaikin	On $G_2$ Holonomy Riemannian Metrics on Deformations of Cones over $S^3 \times S^3$
11:30-12:00	Coffee break, 9th floor			
12:00-12:40	Andrei Lazarev	$BV_\infty$ algebras in Poisson geometry	Nikolay Erokhovets	Characterization of simplicial complexes with Buchstaber number two

### Special session: Deutsche Forschungsgemeinschaft Leibniz Lecture

Location: Hotel Baltschug Kempinski, "Library", 8th Floor, Ul. Balchug 1

Please sign up on Monday at the registration

18:00-20:00	Günter Ziegler	Cannons at Sparrows: Cutting Polygons via Configuration Spaces
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**FRIDAY, JUNE 21**

	<b>Joint session of the conferences "Novikov day" and "Algebraic topology and Abelian functions"</b> <b>Plenary lectures, Conference Hall, 9th floor</b>			
10:00-10:50	Ludwig Faddeev	Zero modes in Liouville model		
10:50-11:20	<b>Coffee break</b>			
11:20-12:10	Igor Krichever	Amoeba, Ronkin functions and Monge-Ampere measures of algebraic curves with marked points		
12:20-13:10	Alexander Veselov	Universal formulae in Lie groups and Chern-Simons theory		
13:10-15:00	<b>Lunch</b>			
	<b>Section lectures</b>			
	<b>Conference Hall, 9th floor</b>		<b>Room 530, 5th floor</b>	
15:00-15:40	Ivan Arzhantsev	Cox rings, universal torsors, and infinite transitivity	Andrei Vesnin	On hyperbolic 3-manifolds with geodesic boundary
15:50-16:30	Svjetlana Terzić	Toric geometry of the action of maximal compact torus on complex Grassmannian	Alice Fialowski	Deformations and Contractions of Algebraic Structures
16:30-17:00	<b>Coffee break, 9th floor</b>			
17:00-17:40	Dmitri Timashev	Quotients of affine spherical varieties by unipotent subgroups	Aniceto Murillo	Algebraic models of spaces of sections of nilpotent fibrations

## SATURDAY, JUNE 22

<b>Plenary lectures, Conference Hall, 9th floor</b>				
10:00-10:50	Askold Khovanskii	Co-convex bodies and multiplicities		
10:50-11:20	<b>Coffee break</b>			
11:20-12:10	Atsushi Nakayashiki	A refined Riemann's singularity theorem for sigma function		
12:20-13:10	Tadeusz Januszkiewicz	Singular fibrations with fibers $(S^n)^k$		
13:10-15:00	<b>Lunch</b>			
<b>Section lectures</b>				
<b>Conference Hall, 9th floor</b>			<b>Room 530, 5th floor</b>	
15:00-15:40	Zhi Lü	Equivariant cobordism of unitary toric manifolds	Vladimir Dragović	The Sokolov system and integrable Kirchhoff elasticae via discriminantly separable polynomials and Buchstaber's two-valued groups
15:50-16:30	Alexander Dranishnikov	On Gromov's macroscopic dimension conjecture	Elena Netay	Geometric differential equations on the universal spaces of Jacobians of elliptic and hyperelliptic curves
16:30-17:00	<b>Coffee break, 9th floor</b>			
17:00-17:50	Andrei Kustarev	Equivariant almost complex quasitoric structures	Anthony Bahri	Generalizations of the Davis-Januszkiewicz construction and iterations of the Buchstaber-Panov spaces