THURSDAY, 24 MAY

9:00-10:00	Registration, 9 th floor	
Plenary lectures, Conference hall, 9 th floor		
10:00-10:50	Anatoly Vershik. Asymptotic of RSK-correspondence and new kind of laws of large numbers for Bernoulli scheme	
10:50-11:20	Coffee break, 9 th floor	
11:20-12:10	Mikiya Masuda. Generic torus orbit closures in Schubert varieties	
12:20-13:10	Rade Živaljević. Cyclohedron and Kantorovich-Rubinstein polytopes	
13:10-15:00	Lunch	
Invited lectures		
	Conference hall, 9th floor	Room 530, 5 th floor
15:00-15:40	Ivan Dynnikov. Exchange classes of rectangular diagrams, Legendrian knots, and the knot symmetry group	Vladimir Dragović. Billiards within quadrics and Chebyshev type polynomials
15:50-16:30	Vladimir Vershinin. Twisted homology and twisted simplicial groups	Hovhannes Khudaverdian. Homotopy Poisson brackets and thick morphisms
16:30-17:00	Coffee break, 9 th floor	
17:00-17:40	Svjetlana Terzić. Toric topology of the complex Grassmann manifolds and (2n,k)-manifolds	Sergey Melikhov. Lim colim versus colim lim
17:50-18:30	Dmitry Gugnin. Lower bound for the degree of a branched covering of a manifold	Elena Bunkova. Hirzebruch functional equations

FRIDAY, 25 MAY

Skolkovo Insitute of Science and Technology (Skolkovo Innovation Center)

Plenary lectures, Blue building, Nobel str. 3, 3 rd floor, Multifunctional zone 303		
10:00-10:50	Igor Krichever. Linear operators with self-consistent potential	
10:50-11:20	Coffee break	
11:20-12:10	Anthony Bahri. On the integral cohomology of orbifolds	
12:20-13:10	Fuquan Fang. Geometry and topology of non-negatively curved manifolds	
13:10-15:00	Lunch	
Invited lectures		
	Blue building, Nobel str. 3, Multifunctional zone 303	Red building, Nobel str. 1, 3 rd floor, room 351
15:00-15:40	Jelena Grbić. LS-category of moment-angle manifolds and Massey products	Sabir Gusein-Zade. Algebraic links in the Poincaré sphere and the Alexander polynomials
15:50-16:30	Andrey Vesnin. On zeros of Yamada polynomial for spatial graphs	Dmitry Millionshchikov. Polynomial Lie algebras and growth rates of their subalgebras
16:30-17:00	Coffee break, Blue building, Nobel str. 3, 3 rd floor, Multifunctional zone 303	
17:00-17:40	Krzysztof Pawałowski. Smooth actions of compact Lie groups on complex projective spaces	Theodore Voronov. Microformal geometry and homotopy algebras
17:50-18:30	Andrey Kustarev. Moment-angle manifolds and linear programming	Malkhaz Bakuradze. All extensions of C_2 by $C_2^n \times C_2^n$ are good for the Morava K-theory

SATURDAY, 26 MAY

Skolkovo Insitute of Science and Technology (Skolkovo Innovation Center)

Plenary lectures, Blue building, Nobel str. 3, 3 rd floor, Multifunctional zone 303		
10:00-10:50	50 Sergei Matveev. New aspects of complexity theory for 3-manifolds	
11:00-11:50	Jie Wu. Simplicial James-Hopf map and decompositions of the unstable Adams spectral sequence for suspensions	
11:50-12:30	Coffee break	
Invited lectures		
	Blue building, Nobel str. 3, Multifunctional zone 303	Red building, Nobel str. 1, 3 rd floor, room 351
12:30-13:10	Ivan Arzhantsev. Log terminal singularities, platonic tuples and iteration of Cox rings	Alexey Glutsyuk. On model of Josephson effect, constrictions and transition matrix of double confluent Heun equation
13:20-14:00	Dmitry Timashev. Orbits in real loci of spherical homogeneous spaces	Alexander Dranishnikov. Surgery and cell-like maps

MONDAY, 28 MAY

Plenary lectures, Conference hall, 9th floor		
10:00-10:50	Iskander Taimanov. On the cohomology rings of Riemannian manifolds with special holonomy	
10:50-11:20	Coffee break, 9 th floor	
11:20-12:10	Askold Khovanskii. Newton polygon method and solvability of polynomial equations by quadratures	
12:20-13:10	Michael Tsfasman. Dense sphere packings: state of the art and algebraic geometry constructions	
13:10-15:00	Lunch	
Invited lectures		
	Conference hall, 9 th floor	Room 530, 5 th floor
15:00-15:40	Daisuke Kishimoto. Relative phantom maps	Zoran Rakić. Path integrals on real, p-adic, and adelic spaces
15:50-16:30	Stephen Theriault. The homotopy theory of polyhedral products associated with flag complexes	Alexey Ustinov. An elementary approach to Somos-4 sequences
16:40-17:20	Dmitry Talalaev. Towards integrability structure in 3D Ising model	Alexei Penskoi. Isoperimetric inequalities for Laplace eigenvalues on the sphere and the real projective plane
17:30-	Reception, 9 th floor	

TUESDAY, 29 MAY

Plenary lectures, Conference hall, 9 th floor		
10:00-10:50	Nikolay Dolbilin. Locally isometric Delone sets	
10:50-11:20	Coffee break, 9 th floor	
11:20-12:10	Sergei Lando. Integrability property of polynomial graph invariants	
12:20-13:10	Ernest Vinberg. On free algebras of automorphic forms	
13:10-15:00	Lunch	
Invited lectures		
	Conference hall, 9 th floor	Room 530, 5 th floor
15:00-15:40	Yael Karshon. Topology of complexity one quotients	Evgeny Fominykh. On the Matveev's complexity of knot complements in thickened surfaces
15:50-16:30	Vassily Gorbounov. Schubert calculus and quantum integrable systems	Andrei Malyutin. Poincaré's rotation number in dynamics and knot theory
16:30-17:00	Coffee break, 9 th floor	
17:00-17:40	Andrey Mironov. On one-point commuting difference operators of rank one	Oleg Musin. Circle actions on 4-manifolds
17:50-18:30	Suyoung Choi. Cohomology formulae of real toric spaces	Gaiane Panina. Diagonal complexes
18:40-19:20		Mikhail Gorsky. Polytopal realizations of cluster, subword and accordion complexes and representation theory

WEDNESDAY, 30 MAY

	Plenary lectures, Conference h	nall, 9 th floor
10:00-10:50	Dong-Youp Suh. Algebraic and geometric properties of flag Bott-Samelson varieties and applications to representations	
10:50-11:20	Coffee break, 9 th floor	
11:20-12:10	Alexander Veselov. From combinatorics to geometry of polyhedra via spectral graph theory	
12:20-13:10	Alexander Mikhailov. Integrable Hamiltonian systems naturally defined by symmetric powers of algebraic curves	
13:10-15:00	Lunch	
	Invited lectures Conference hall, 9 th floor	Seminar on Toric Topology and Homotopy Theory for young researchers Room 530, 5 th floor
15:00-15:40	Min Yan. Converse of Smith theory	Jongbaek Song. GKM-orbifolds and their equivariant cohomology rings
15:50-16:30	Petr Grinevich. From real regular multisoliton solutions of KP-II to finite-gap solutions	Ingrid Membrillo-Solis. Homotopy decompositions of gauge groups
16:30-17:00	Coffee break, 9 th floor	
17:00-17:40	Vladimir Grujić. Combinatorial Hopf algebras and generalized permutohedra	Seonjeong Park. Betti numbers of real toric manifolds arising from a graph
17:50-18:30	Yury Ustinovskiy. Uniformization of complex manifolds and maximum principle for tensors	Ekaterina Shemyakova. Obstructions to factorization of differential operators on the algebra of densities on the line

International seminar on Toric Topology and Homotopy Theory for young researchers Steklov Mathematical Institute (Gubkina str., 8)

	Thursday, 31 May Room 530, 5 th floor	Friday, 1 June Room 530, 5 th floor
10:00-10:30	Jeffrey Carlson. The equivariant cohomology and K-theory of a cohomogeneity-one action	Ruizhi Huang. Homotopy types of gauge groups over high dimensional manifolds
10:40-11:10	Ivan Limonchenko. On the new families of flag nestohedra arising in toric topology	Taekgyu Hwang. The Gromov width of generalized Bott manifolds
11:10-11:30	Coffee break, Room 530, 5 th floor	
11:30-12:00	Abigail Linton. Massey products in toric topology	Hideya Kuwata. Toric manifolds over an n-cube with one vertex cut
12:10-12:40	Semyon Abramyan. Iterated higher Whitehead products in topology of moment-angle complexes	Artem Kotelsky. Khovanov homology via immersed curves in the 4-punctured sphere
12:50-13:20	Soumen Sarkar. Equivariant K-theory of toric orbifolds	Jiyeon Moon. Projective toric manifolds and wedge operation
13:20-15:00	Lunch	
15:00-15:30	Djordje Baralić. Toric topology of balanced simplicial complex	Fedor Pavutnitsky. Homotopical approach to group extensions and homology of morphisms
15:40-16:10	Xin Fu. Simplicial G-complexes and representation stability of polyhedral products	Alexey Rukhovich. On the numbers of fullerenes
16:10-16:30	Coffee break, Room 530, 5 th floor	
16:30-17:00	Sho Hasui. On the quasitoric bundles	Takashi Sato. On the coinvariant rings of pseudo-reflection groups
17:10-17:40	Tatsuya Horiguchi. The cohomology rings of Hessenberg varieties and Schubert polynomials	Tseleung So. Classification of gauge groups over 4-manifolds
17:50-18:20	Yakov Veryovkin. Polyhedral products and commutator subgroups of right-angled Artin and Coxeter groups	Grigory Solomadin. Totally normally split quasitoric manifolds