

**International conference
“Algebraic Topology and Applications”**

December 20–21, 2021 (online)

Steklov Mathematical Institute of Russian Academy of Sciences, Moscow
Steklov International Mathematical Center, Moscow

The conference is supported by the Simons Foundation and
the Ministry of Science and Higher Education of the Russian Federation
(the grant to the Steklov International Mathematical Center,
agreement no. 075-15-2019-1614)

SCHEDULE

(The schedule is written in Moscow time (GMT+3))

Monday, December 20

Morning session

9:45-9:55 Opening

10:00-10:50 Anton Ayzenberg (Higher School of Economics)

Local and global combinatorial structure of torus actions

11:00-11:50 Nikolai Erokhovets (Moscow State University)

Cohomological rigidity of manifolds associated to ideal right-angled hyperbolic 3-polytopes

12:00-12:50 Svjetlana Terzić (University of Montenegro)

Orbit space $G_{n,2}/T^n$ and Chow quotient $G_{n,2}/(\mathbb{C}^)^n$*

Evening session

18:00-18:50 Leonid Monin (Max Planck Institute for Mathematics in the Sciences)

Multi-polytopes and the BKK theorem for quasitoric bundles

19:00-19:50 Jelena Grbić (University of Southampton)

Musing over algebraic models for the cohomology of moment-angle complexes

Tuesday, December 21

Morning session

10:00-10:50 Ivan Limonchenko (University of Toronto, Higher School of Economics)

Toric topology and persistent homology

11:00-11:50 Fedor Vylegzhanin (Moscow State University)

Pontryagin algebras and the LS-category of moment-angle complexes in the flag case

12:00-12:50 Igor Spiridonov (Higher School of Economics, Skolkovo Institute of Science and Technology)

On the top homology of the Torelli group and the Johnson kernel

Evening session

17:00-17:50 Elizaveta Zhuravleva (Moscow State University)

Iterated higher Whitehead products and Adams–Hilton models for polyhedral products

18:00-18:50 Yakov Veryovkin (Moscow State University)

The Lie algebra associated with the lower central series of a right-angled Coxeter group