Toric Topology 2014 in Osaka

Dates: January 21 (Tue) – January 24 (Fri), 2014

Venue: Osaka City University (Sugimoto Campus)
Room 833 (1/21, 23, 24) General Education Bldg (No. 18 on campus map)
Room 224 (1/22) Bldg No.2 (No. 17 on campus map)
Room 301 (1/22) at Math. Department (No. 29 on campus map)
Address: 3-3-138 Sugimoto, Sumiyoshi-ku, Osaka 558-8585, Japan

This meeting is an activity of the bilateral program between Japan and Russia:
"Topology and geometry of torus actions and combinatorics of orbit quotients"

Jan. 21 (Tue) Lecture Room 833, General Education Building

9:20 – 10:20 Victor Buchstaber (Steklov Institute)
Toric structure of $(2n, k)$-manifolds

10:30 – 11:10 Yunhyung Cho (KIAS)
Unimodality of the Betti numbers for Hamiltonian circle action with isolated fixed points

11:40 – 12:20 Seonjeong Park (NIMS)
Quasitoric manifolds and toric origami manifolds

12:30 – 13:00 Yusuke Suyama (Osaka City Univ.)
Examples of toric manifolds which are not quasitoric manifolds

14:30 – 15:10 Takeshi Ikeda (Okayama Univ. of Science)
How to compute Schubert classes

15:20 – 15:50 Tatsuya Horiguchi (Osaka City Univ.)
The equivariant cohomology rings of Springer varieties

16:20 – 17:00 Tomoo Matsumura (KAIST)
Schubert Calculus for Grassmannians of C-type

17:10 – 17:50 Thomas Hudson (KAIST)
Schubert classes in the algebraic cobordism of type C flag bundles

Special talk after alcohol (Lecture Room 301 at Math. Department)
20:00 – ..... Tony Bahri (Rider Univ.)
On matters not as trivial as mathematics

Jan. 22 (Wed) Lecture Room 224 in Building No.2

9:20 – 10:00 Anton Ayzenberg (Osaka City Univ.)
Alexander duals to boundaries of polytopes

10:10 – 10:50 Akihiro Higashitani (Osaka Univ.)
Smooth Fano polytopes and their primitive collections

11:20 – 12:00 Bo Chen (Huazhong Univ. of Science and Technology)
Self-dual codes realized by small covers and polytopes

12:10 – 12:40 Takashi Sato (Kyoto Univ.)
The T-equivariant integral cohomology ring of E_6/T

14:30 – 15:10 Satoshi Murai (Yamaguchi Univ.)
Ring isomorphisms of cohomologies of Bott manifolds

15:20 – 15:50 Sho Hasui (Kyoto Univ.)
On the cohomological rigidity of quasitoric manifolds

16:20 – 17:00 Shintaro Kuroki (OCAMI)
On classification of locally standard torus manifolds up to equivariant diffeomorphism

17:10 – 17:50 Michael Wiemeler (Karlsruher Institut für Technologie)
Rationally elliptic and non-negatively curved torus manifolds

18:30 – Banquet (Restaurant at Tanaka Memorial Hall)

Jan. 23 (Thr) Lecture Room 833, General Education Building

9:20 – 10:00 Donald Stanley (Univ. of Regina)
The Rational Homotopy of Complements

10:10 – 10:50 Daisuke Kishimoto (Kyoto Univ.)
Decomposing real moment-angle complexes

11:20 – 12:00 Hanchul Park (Ajou Univ.)
Odd torsions in the cohomology of small covers

12:10 – 12:40 Jongbaek Song (KAIST)
The cohomology ring of toric orbifolds with integer coefficients

14:30 – 15:10 Nickolay Erokhovets (Moscow State Univ.)
Buchstaber Invariant, 2-surfaces and matroids

15:20 – 15:50 Miho Hatanaka (Osaka City Univ.)
Gluing construction of topological toric manifolds

16:20 – 17:00 Ivan Limonchenko (Moscow State Univ.)
Minimally non-Golod simplicial complexes and moment-angle manifolds

17:10 – 17:50 Hiroaki Ishida (RIMS)
Smooth structures on moment-angle complexes for simplicial posets

---

Jan. 24 (Fri) Lecture Room 833, General Education Building

9:20 – 10:00 Zhi Lü (Fudan Univ.)
Examples of quasitoric manifolds as special unitary manifolds

10:10 – 10:50 Wei Wang (Shanghai Ocean Univ.)
Equivariant cohomology Chern numbers and equivariant K theory Chern numbers

11:20 – 12:00 Soumen Sarkar (Univ. of Regina)
Triangulation of real projective spaces with few vertices

12:10 – 12:40 Yumi Boote (Manchester Uuniv.)
The symmetric squares of projective spaces

14:30 – 15:10 Hiraku Abe (Tokyo Metropolitan Univ.)
Young diagrams and intersection numbers on toric manifolds associated with Weyl chambers

15:20 – 15:50 Alastair Darby (Manchester Univ.)
Torus manifolds in equivariant complex bordism

16:20 – 17:00 Taras Panov (Moscow State Univ.)
Bott towers and equivariant cobordism

17:10 – ..... Nigel Ray (Manchester Univ.)
Toric topology - past, present, and future...

Organizer
Mikiya Masuda (OCU)
Shintaro Kuroki (OCAMI)
Hiroaki Ishida (RIMS)