Toric Topology 2011 in Osaka

Dates: November 28 (Mon) – November 30 (Wed), 2011

Venue: Lecture Room 832 (Mon & Wed) & 833 (Tue),
    General Education Building, Osaka City University

Organizer: Y. Fukukawa, H. Ishida, S. Kuroki, M. Masuda (Osaka City Univ.)

This meeting is an activity of the bilateral program between Japan and Russia:
    "Toric topology with applications in combinatorics"

Program

November 28 (Mon)   Lecture Room 832

9 30   10 00   Haibao Duan (Chinese Academy of Science)
        Schubert calculus and Cohomology of Lie groups

10 20   10 50   Shizuo Kaji (Yamaguchi Univ.)
        Constructing a Schubert-like basis for GKM G-manifolds

11 10   11 40   Yukiko Fukukawa (Osaka City Univ.)
        The cohomology ring of the GKM graph of a flag manifold

12 00   12 30   Hiroaki Ishida (Osaka City Univ. Adv. Math. Inst.)
        Complex torus manifolds

2 30   3 00   Anton Ayzenberg (Moscow State Univ.)
        Nerve-complexes of nonsimple polytopes

3 20   3 50   Ivan Limonchenko (Moscow State Univ.)
        Bigraded Betti numbers of some simple polytopes

4 10   4 40   Akihiro Higashitani (Osaka Univ.)
        Ehrhart polynomials of multi-polygons

5 00   5 30   Seonjeong Park (KAIST)
        Projective bundles over 4-dimensional toric manifolds

5 50   6 20   Suyoung Choi (Ajou Univ.)
        Invariance of Pontrjagin classes of torus manifolds

————————————————

November 29 (Tue)   Lecture Room 833

9   10   9   40   Takahiko Yoshida (Tokyo Denki Univ.)
Equivariant local index

10   00   10   30   Yuri Ustinovsky (Moscow State Univ.)
Characteristic numbers of quasitoric manifolds from the combinatorial
point of view

10   50   11   20   Anna Abczynski (Hausdorff Inst.)
On the polarisation of manifolds

11   40   12   10   Mayumi Nakayama (Tokyo Metropolitan Univ.)
NilBott Tower of aspherical manifolds and Torus actions

12   30   1   00   Shintaro Kuroki (Osaka City Univ. Adv. Math. Inst.)
Infrasolv real moment-angle manifolds

3   00   3   30   Hiraku Abe (Tokyo Metropolitan Univ.)
On the rational T-equivariant cohomology of the weighted Grassmannians

3   50   4   20   Tomoo Matsumura (KAIST)
Moment-angle complex and integral cohomology of toric orbifolds

4   40   5   10   Li Yu (Nanjing Univ. & Osaka City Univ.)
On transition functions of topological toric manifolds

5   30   6   00   Ivan Arzhantsev (Moscow State Univ.)
The automorphism group of a variety with torus action of complexity
one

6   30   Party (Restaurant on the 1st floor in the buiding of Media Center)

November 30 (Wed)   Lecture Room 832

9   10   9   40   Nickolai Erokhovets (Moscow State Univ.)
Toric topology of polytopes with few facets

10   00   10   30   Wei Wang (Fudan Univ.)
On the topological decomposition of non-singular hypersurfaces in projective toric manifolds

10   50   11   20   Soumen Sarkar (Indian Statistical Inst.)
A class of torus manifolds with nonconvex orbit space

11   40   12   10   Jérôme Tambour (KAIST)
Geometry of moment-angle complexes

12   30   1   00   Yaroslav Bazaikin (Sobolev Math. Inst.)
Riemannian metrics with positive Ricci curvature on moment-angle
manifolds