PROGRAM OF
BRATISLAVA TOPOLOGY SYMPOSIUM
"Group Actions and Homogeneous Spaces"
September 7-11, 2009
Comenius University,
Faculty of Mathematics, Physics, and Informatics,
Bratislava, Slovakia

MONDAY (September 7, 2009)
10:00-10:15 opening
Chair: Mikiya Masuda
10:15-11:15 *Peter Teichner, Field theory and algebraic topology*
11:30-12:30 *Matthias Kreck, Simply connected asymmetric manifolds*
Chair: Peter Teichner
14:10-14:40 *Sören Illman, Equivariant Alexander-Spanier cohomology for non-Lie group actions*
14:55-15:25 *Kojun Abe, On the first homology of the automorphism groups of G-manifolds*
15:40-16:10 *Claude Emilie Hayat-Legrand, Generalized Borsuk-Ulam theorem*
16:25-16:55 *Mahender Singh, Parametrized Borsuk-Ulam problem for projective space bundles*

TUESDAY (September 8, 2009)

Chair: Matthias Kreck

9:30-10:30 *Mikiya Masuda, Symmetry of torus manifolds*

10:45-11:45 *Taras Panov, Torus actions and complex cobordism*

11:55-12:25 *Seonjeong Park, Classification of quasitoric manifolds of $b_2 = 2$*

12:35-13:10 *Parameswaran Sankaran, Maps between Grassmann manifolds*

Chair: Taras Panov

14:40-15:10 *Masaharu Morimoto, On The Smith Equivalent Representations of Oliver Groups*

15:25-15:55 *Toshio Sumi, Smith equivalent modules and the weak gap condition*

16:05-16:35 *Shintaro Kuroki, On projective bundles over small covers*

WEDNESDAY (September 9, 2009)

Chair: Dariusz Wilczynski

9:30-10:00 *Wacław Marzantowicz, Homotopy periodic points theory of periodic homeomorphisms of surfaces*

10:15-10:45 *Dong Youp Suh, Properties of Bott manifold and cohomological rigidity*

11:00-11:30 *Suyoung Choi, Real Bott manifolds and acyclic digraphs*

11:45-12:15 *Yasuhiko Kitada, On the first Pontrjagin class of homotopy complex projective spaces*

15:30-16:30 guided tour in the center of Bratislava - Primaciálny palác = Primatial Palace and its neighbourhood

18:00 conference dinner

THURSDAY (September 10, 2009)

Chair: Parameswaran Sankaran

9:30-10:30 *Bogusław Hajduk, Symplectomorphisms, diffeomorphisms and circle actions on symplectic manifolds*

10:45-11:45 *Aleksy Tralle, Topology of the groups of Hamiltonian symplectomorphisms of compact homogeneous spaces*

12:00-12:30 *Július Korbaš, A new bound for the cup-length of zero-cobordant manifolds*

Chair: Bogusław Hajduk

14:30-15:00 *Ikumitsu Nagasaki, Isovariant maps from free G-manifolds to representation spheres*

15:15-15:45 *Masaki Nakagawa, On the signature of Grassmannians via Schubert calculus*

16:15-16:45 *Dariusz Wilczynski, Quaternionic toric manifolds*

FRIDAY (September 11, 2009)
Chair: Aleksy Tralle
9:30-10:30 *Tibor Macko, Surgery classification of lens spaces*
10:50-11:20 *Sašo Strle, Surgeries on knots bounding definite 4-manifolds*
11:35-12:05 *Martin Niepel, Symplectic 4-manifolds with positive signature*
12:20-13:00 *Peter Zvengrowski, The vector field problem for projective Stiefel manifolds* / closing of the conference