

Transformation Groups and Surgery Theory**Aug. 30 – Sept. 3, 2010**

at

Room 110, RIMS, Kyoto University**Schedule of Talks:**

August 30 (Mon)

- 14:00–15:00 **Tomohiro Kawakami** (Wakayama University)
A definable strong G retract of a definable G set in a real closed field
- 15:15–15:45 **Megumi Hiramatsu** (Okayama University)
Generalization of Pick's formula
- 16:00–17:00 **Masaharu Morimoto** (Okayama University)
Equivariant surgery under the weak gap condition

August 31 (Tue)

- 9:45–10:45 **Yan Qi** (Okayama University)
The canonical line bundles over equivariant real projective spaces of general dimension
- 11:00–12:00 **Kojun Abe** (Shinshu University)
On the structure of the first homology of the group of equivariant diffeomorphisms of manifolds with smooth torus actions
- 13:30–14:30 **Kohhei Yamaguchi** (The University of Electro-Communications)
Spaces of $\mathbf{Z}/2$ -equivariant maps between some real algebraic varieties
- 14:45–15:45 **Norihiko Minami** (Nagoya Institute of Technology)
On the Connes-Consani-Soule type zeta function for F_1 -schemes
- 16:00–17:00 **Tatsuhiko Yagasaki** (Kyoto Institute of Technology)
Homeomorphism and diffeomorphism groups of non-compact manifolds with the Whitney topology (joint work with T. Banakh, K. Mine, and K. Sakai)

September 1 (Wed)

- 9:45–10:45 **Takao Satoh** (Kyoto University)
On the Johnson filtration of the automorphism group of a free group
- 11:00–12:00 **Qayum Khan** (University of Notre Dame)
On isovariant rigidity of $\text{CAT}(0)$ manifolds, I (joint work with F. Connolly and J. Davis)
- 13:30–14:30 **Yukiko Fukukawa** (Osaka City University)
The cohomology ring of the GKM graph of a flag manifold
- 14:45–15:45 **Hiroaki Ishida** (Osaka City University)
A classification of Bott towers
- 16:00–17:00 **Suyoung Choi** (Osaka City University)
Invariance of Pontrjagin classes of Bott manifolds

September 2 (Thu)

9:45–10:45 **Toshio Sumi** (Kyushu University)

Smith set for a finite perfect group

11:00–12:00 **Qayum Khan** (University of Notre Dame)

On isovariant rigidity of CAT(0) manifolds, II (joint work with F. Connolly and J. Davis)

13:30–14:30 **Ikumitsu Nagasaki** (Kyoto Prefectural University of Medicine)

On the existence and classification of isovariant maps

14:45–15:45 **Yasuhiro Hara** (Osaka University)

On the degree of set-valued maps

September 3 (Fri)

9:45–10:45 **Masatsugu Nagata** (Kyoto University)

Functoriality of isovariant structure sets and the gap hypothesis

11:00–11:45 **Masayuki Yamasaki** (Okayama University of Science)

On simplicial coordinate systems

Any changes will be announced in the following conference home page.

<http://surgery.matrix.jp/math/rims2010/>

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