

Four Dimensional Topology

November 14 – November 16, 2012
Hiroshima University

Program

November 14 (Wed)

14:00–14:40 Teruo Nagase and Akiko Shima (Tokai University)
Suspicious minimal 4-charts with four crossings

14:50–15:30 Shigeru Takamura and Kenjiro Sasaki (Kyoto University)
Higher-dimensional fractional Dehn twists and monodromies of singularities

16:00–16:40 Kengo Kawamura (Tokyo Gakugei University)
Independence of Roseman moves without triple points
(joint work with Kanako Oshiro and Kokoro Tanaka)

16:50–17:30 Yoshiro Yaguchi (Gunma National College of Technology)
On simple paths in a punctured disk and their applications to simple braids

November 15 (Thu)

09:40–10:20 Kenta Hayano (Osaka University)
Vanishing cycles and homotopies of wrinkled fibrations

10:30–11:10 Akio Kawauchi (Osaka City University)
On the homology of an open 4-manifold with every closed 3-manifold embedded

11:40–12:20 Yuichi Yamada (Univ. of Electro-Comm.)
4-manifolds constructed by lens space surgeries (joint work with Motoo Tange)

14:00–14:40 Hee Jung Kim (Pohang Mathematics Institute)
Embeddings of Surfaces in 4-manifolds

14:50–15:30 Nobuhiro Nakamura (Gakushuin University)
 $\text{Pin}^-(2)$ -monopole invariants and its applications

16:00–16:40 Kouichi Yasui (Hiroshima University)
Exotic S^2 -knots and Gluck twists

16:50–17:30 Takao Matumoto (Hiroshima University)
On the smooth unknotting conjecture in dimension four VIII

November 16 (Fri)

09:40–10:20 Masaaki Ue (Kyoto University)

The $\bar{\mu}$ invariants, the eta invariants and Ozsvath-Szabo's correction terms for Seifert rational homology 3-spheres

10:30–11:10 Motoo Tange (University of Tsukuba)

Annulus twist of a knot and log transform (joint work with Tetsuya Abe)

11:40–12:20 Tetsuya Abe (Kyoto University)

Annulus twist and ribbon knots (joint work with Motoo Tange)

Organizers:

Seiichi Kamada, Kouichi Yasui and Takao Matumoto (Hiroshima University)

kamada(*)math.sci.hiroshima-u.ac.jp,

kyasui(*)math.sci.hiroshima-u.ac.jp,

matumoto(*)math.sci.hiroshima-u.ac.jp,

(*) \Rightarrow @