

Four Dimensional Topology

January 29 – January 31, 2007

Faculty Club

Hiroshima University

January 29 (Mon)

13 : 30 ~ 14 : 10 Osamu Saeki (Kyushu University)
On 2-knots with total width 8

14 : 30 ~ 15 : 10 Shin Satoh (Kobe University)
Braid index of connected sum of surface-knots II

15 : 40 ~ 16 : 20 Akiko Shima (Tokai University)
Separation of Charts (joint work with Teruo Nagase)

16 : 40 ~ 17 : 20 Tetsuhiro Moriyama (The University of Tokyo)
On the vanishing of the Rohlin invariant

January 30 (Tue)

10 : 00 ~ 10 : 40 Zjuñici Iwase (Kanazawa University),
Yukio Matsumoto (University of Tokyo)
Pochette surgery on 4-manifolds II

11 : 00 ~ 11 : 40 Yoshihisa Sato (Yamaguchi University)
Stipsicz's Conjecture for Lefschetz fibrations

13 : 30 ~ 14 : 20 Selman Akbulut (Michigan State University, USA)
Topology of Manifolds with Exceptional Holonomy

14 : 40 ~ 15 : 30 Sema Salur (University of Rochester, USA)
Calibrated Geometries

16 : 00 ~ 16 : 40 Kouichi Yasui (Osaka University)
Small exotic rational surfaces without 1- and 3-handles

17 : 00 ~ 17 : 30 Yuki Takahashi(Kobe University)
Surfaces in 3-space with simple fold projection

January 31(Wed)

10 : 00 ~ 10 : 40 Toshifumi Tanaka (Osaka City University)
On smooth structures on non-compact 4-manifolds

11 : 00 ~ 11 : 40 Hirofumi Sasahira (Tokyo University)
SO(3) torsion Donaldson invariants

13 : 30 ~ 14 : 10 Yasushi Takeda (Kyushu University)
Virtual surface knots

14 : 20 ~ 15 : 00 Katsuhisa Mimachi (Tokyo Institute of Technology)
Intersection numbers of twisted cycles associated with a Selberg type integral
and the Jones polynomial

Organizers:

Takao Matumoto (Hiroshima University) matumoto@math.sci.hiroshima-u.ac.jp,
Seiichi Kamada (Hiroshima University) kamada@math.sci.hiroshima-u.ac.jp