「Workshop on Topology and Geometry」
—Quandles and Related Topics—

July 11 – July 12, 2009
Hiroshima University, Japan

July 11 (Sat.)

9:30 – 10:20 Masahide Iwakiri (Osaka City University)
Quandle cocycle invariants of surface-links with braid index 4

10:30 – 11:20 Kanako Oshiro (Hiroshima University)
Symmetric quandle invariants for oriented links

11:40 – 12:30 Shin Satoh (Kobe University)
The length of Mochizuki's 3-cocycle of R_5 and its applications

14:00 – 14:50 Takefumi Nosaka (RIMS)
On the quandle homotopy invariant of links and some applications

15:00 – 15:50 Hiroshi Tamaru (Hiroshima University)
Quandles from a view point of theory of symmetric spaces

16:10 – 17:00 Yoshiro Yaguchi (Hiroshima University)
Hurwitz action on tuples of the standard generators of the braid group as a conjugate quandle

July 12 (Sun.)

9:30 – 10:20 Daniel Moskovich (RIMS)
Surgery presentations for knots coloured by metabelian groups

10:30 – 11:20 Takefumi Nosaka (RIMS)
Classification of some quandle manifolds and characteristic classes of quandles

11:40 – 12:30 Eri Hatakenaka (RIMS)
A relation between Dijkgraaf-Witten invariant and shadow cocycle invariant

14:00 – 14:50 Atsushi Ishii (Tsukuba University)
The IH-complex and quandle colorings