Workshop

Topology and Computer 2005

A workshop "Topology and Computer 2005" will be held as follows. This workshop is supported financially by the Ministry of Education, Science, Sports and Culture, Grants-in-Aid for Scientific Research (A) "Geometry and Topology of 3-manifolds II" (Director: Sadayoshi Kojima (Tokyo Institute of Technology) #15204004).

DATE:	November $28 - 30$, 2005.
LOCATION:	Osaka Sangyo University, Umeda Satellite,
	Osaka Ekimae Building 4, 22F.

Program

November 28

13:00 - 13:50	Tetsuya Hosaka (Utsunomiya University) Coxeter groups, simplicial complexes and boundaries
14:20 - 15:10	Naoko Kamada (OCAMI, Osaka City University) Constructing a table of virtual knots
15:40 - 16:30	Kouji Kodama (Kobe City College of Technology) Introduction to KNOT Program
17:00 - 17:30	Makiko Ishiwata (Tokyo Woman's Christian University) 5-move equivalence for links up to 9 crossings

November 29

9:30 - 10:20	Kazushi Ahara (Meiji University) Schemes in 'Kids Cindy' - interactive geometry software
10:40 - 11:30	Michihiko Fujii (Kyoto University) Points of finite order on a deformation space of hyperbolic structures

13:00 - 13:50	Ben Burton (RMIT University) Theorems, Algorithms and Brute Force: Building a Census of 3-Manifolds
14:20 - 15:10	Chuichiro Hayashi (Japan Women's University) Calculating fundamental surfaces by hand
15:40 - 16:30	Masaaki Suzuki (University of Tokyo) Twisted Alexander invariants and a partial order in the knot table II
17:00 - 17:30	Keiichi Horie (University of Tokyo) Introduction to Computation Library ~Doctor K~ on Knot and Geometry using Java

November 30

9:30 - 10:20	Mitsuyuki Ochiai, Noriko Morimura, Akiko Emoto (Nara Women's University) Base tangle decompositions and subdivisions of n -string tangles
10:50 - 11:30	Mitsuyuki Ochiai, Akiko Emoto, Noriko Morimura (Nara Women's University) Homology 3-spheres with 2-connected W-graphs
13:00 - 13:50	Sachiko Hamaguchi, Mitsuyuki Ochiai, Noriko Morimura (Nara Women's University) Convex 3D drawings of 3-connected planar graphs by Steinitz theorem
14:00 - 14:50	Fujio Kako (Nara Women's University) Computations of 3-parallel HOMFLY polynomials of 6-braids
15:20 - 16:10	Takayuki Nagai (Tottori University of Environmental Studies) Geometric Algorithms with Imprecise Input
16:40 - 17:30	Yo'av Rieck (University of Arkansas) The four Color theorem and branched covers of S^2 (joint work with Yasushi Yamashita (Nara Women's University))

Organizers : Yoshihiko Marumoto (Osaka Sangyo University) Toshio Harikae Kazuhiro Ichihara