

Topology

September 24th (Tue)

9:00–12:00

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|----|-----------------------------|---------------------------------|--|----|
| 1 | Jun Yagi | (Kochi Univ.) [#] | The classification of configuration spaces of 5-membered ringed chains
..... | 15 |
| 2 | Hiroataka Akiyoshi | (Osaka City Univ.) [#] | Cone hyperbolic structures on the torus with a single cone point | 10 |
| 3 | Akiko Shima | (Tokai Univ.) [#] | 4-charts with four crossings | 15 |
| | Teruo Nagase | (Tokai Univ.*) | | |
| 4 | Tetsuya Ito | (Kyoto Univ.) [#] | On surface links whose link groups are abelian | 10 |
| | Inasa Nakamura | (Gakushuin Univ.) | | |
| 5 | Inasa Nakamura | (Gakushuin Univ.) [#] | Satellites of an oriented surface link and their local moves | 10 |
| 6 | Reiko Shinjo | (Kokushikan Univ.) [#] | Universal sequences of spatial graphs | 10 |
| 7 | Ayaka Shimizu | [#] | Region crossing change on spatial graphs | 10 |
| | (Gunma Nat. Coll. of Tech.) | | | |
| | Kenta Hayano | (Osaka Univ.) | | |
| | Reiko Shinjo | (Kokushikan Univ.) | | |
| 8 | Megumi Hashizume | [#] | Coset decomposition by images of homomorphisms induced by region
crossing change on 3-component link diagrams | 15 |
| | (Nara Women's Univ.) | | | |
| 9 | Yusuke Takimura | (Waseda Univ.) [#] | Regular projections of 6_2 knot | 15 |
| 10 | Taizo Kanenobu | (Osaka City Univ.) [#] | Coherent band-Gordian distances between knots with up to seven cross-
ings | 10 |
| | Hiromasa Moriuchi | (Osaka City Univ.) | | |
| 11 | Keiji Tagami | (Tokyo Tech) [#] | Rasmussen invariants of almost positive knots | 10 |
| 12 | Masakazu Teragaito | (Hiroshima Univ.) [#] | Cyclic branched covers of 2-bridge knots and L -spaces | 10 |
| 13 | Motoo Tange | (Univ. of Tsukuba)* | A graph made from a slice disk and its deformation | 15 |
| | Tetsuya Abe | (Tokyo Tech) | | |

14:15–16:00

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|----|---------------------|-------------------------------------|---|----|
| 14 | Toshio Saito | (Joetsu Univ. of Edu.) [#] | Meridional destabilizing number of knots | 10 |
| 15 | Kazuhiro Ichihara | (Nihon Univ.) [#] | Knots with arbitrarily high distance bridge decompositions | 10 |
| | Toshio Saito | (Joetsu Univ. of Edu.) | | |
| 16 | Shinya Okazaki | (Osaka City Univ.) [#] | Bridge genus and braid genus of lens space | 10 |
| 17 | Kenta Okazaki | (Kyoto Univ.) [#] | On the E_6 state sum invariant of lens spaces | 10 |
| 18 | Yoshikazu Yamaguchi | (Akita Univ.) [#] | The asymptotic behavior of the higher dimensional Reidemeister torsion
for Seifert manifolds | 15 |
| 19 | Tatsuro Shimizu | (Univ. of Tokyo) [#] | Morse homotopy invariant and the Kontsevich–Kuperberg–Thurston
invariant of homology 3-spheres | 10 |
| 20 | Motoo Tange | (Univ. of Tsukuba)* | Homology spheres bounded by 4-manifolds with intersection form $-E_8$
..... | 10 |
| 21 | Yoshifumi Matsuda | (Kyoto Univ.)* | Rotation number and actions of the modular group on the circle | 15 |

16:20–17:20 Talk invited by Topology SectionTadayuki Watanabe (Shimane Univ.)[#] Morse theory and graph-valued 3-manifold invariant

September 25th (Wed)

10:30–10:45 Presentation Ceremony for 2013 Geometry Prize**10:50–11:50 Award Lecture for 2013 Geometry Prize**Katsutoshi Yamanoi (Tokyo Tech)[#] Value distribution of derivatives of meromorphic functions**13:15–14:15 Award Lecture for 2013 Geometry Prize**Toshitake Kohno (Univ. of Tokyo)[#] Braids, quantum symmetry and hypergeometric integrals

September 26th (Thu)

9:00–12:00

- 22 Katsuhisa Koshino (Univ. of Tsukuba)^{*} Topological types of pairs of convex sets in Fréchet spaces 15
- 23 Takashi Shimomura[#] Approximation by conjugacies and graph coverings 15
(Nagoya Keizai Univ.)
- 24 Yusuke Tokunaga (Osaka Univ.)[#] Measures with maximum total exponent of C^1 diffeomorphisms with
basic sets 15
- 25 Tatsuhiko Yagasaki (Kyoto Inst. Tech.)[#] Groups of uniform homeomorphisms with the uniform topology 15
- 26 Noriyuki Hamada (Kyushu Univ.)[#] Non-holomorphic Lefschetz fibrations with (-1) -section 15
- 27 Noriyuki Hamada (Kyushu Univ.)[#] Decompositions of positive relations in the mapping class group 15
- 28 Ryoma Kobayashi (Tokyo Univ. of Sci.)[#] On the genus of a Lefschetz fibration and a finitely presented group
..... 10
- 29 Takuya Sakasai (Univ. of Tokyo)[#] Johnson homomorphisms up to degree 6 15
Masaaki Suzuki (Meiji Univ.)
Shigeyuki Morita
(Univ. of Tokyo^{*}/Tokyo Tech^{*})
- 30 Yusuke Kuno (Tsuda Coll.)[#] An infinitesimal Dehn–Nielsen theorem and an embedding of the largest
Nariya Kawazumi (Univ. of Tokyo) Torelli group 15
- 31 Ryo Kato (Nagoya Univ.)[#] The non-existence of a special $E(n)$ -invertible spectra 10
Yuna Kawamoto (Kochi Univ.)
Katsumi Shimomura (Kochi Univ.)
- 32 Tomoki Kashiwagi (Kochi Univ.)[#] The 2-primary chromatic $H^1M_{n-1}^1$ 10
Ryo Kato (Nagoya Univ.)
Katsumi Shimomura (Kochi Univ.)

14:15–16:00

- 33 Ryo Kato (Nagoya Univ.)[#] Generalized Bousfield lattices and generalized retract conjecture 10
 Katsumi Shimomura (Kochi Univ.)
 Yutaro Tatehara (Kochi Univ.)
- 34 Ryo Kato (Nagoya Univ.)[#] On the products of β -elements 10
 Katsumi Shimomura (Kochi Univ.)
- 35 Ryo Kato (Nagoya Univ.)[#] The stable homotopy groups of the classifying space of a finite cyclic group and its applications to algebraic K -theory 10
- 36 Shumi Kinjo (Shinshu Univ.)[#] A construction of immersions of 3-sphere into 4-space associated with Dynkin diagrams and the Smale invariant 15
- 37 Takahito Naito (Shinshu Univ.)[#] String topology and a Frobenius algebra structure of the Yoneda algebra 10
- 38 Kentaro Matsuo (Shinshu Univ.)[#] The equivariant rational cohomology of the loop spaces 10
- 39 Tatsuya Horiguchi (Osaka City Univ.)[#] The equivariant cohomology ring of $(n - k, k)$ Springer variety 10
 Yukiko Fukukawa (Osaka City Univ.)
- 40 Miho Hatanaka (Osaka City Univ.)[#] Cohomological rigidity problem for real toric manifolds 10
- 41 Kenshi Ishiguro (Fukuoka Univ.)[#] Pairings for the classifying spaces of compact Lie groups 10
 Fumihisa Yayama (Fukuoka Univ.)

16:20–17:20 Talk invited by Topology Section

- Tetsuya Itoh (Kyoto Univ.)[#] Open book foliation