

Topology

September 18th (Tue) Session Room IX

9:15–12:00

- 1 Masayuki Kawashima (Tokyo Univ. of Sci.)[#] On torus decompositions and line degenerated torus curves 10
- 2 Misako Yokoyama (Shizuoka Univ.)[#] Finding a system of essential 2-suborbifolds 15
Yoshihiro Takeuchi (Aichi Univ. of Edu.)
- 3 Selman Akbulut (Michigan State Univ.)^{*} Gluck twisting 4-manifolds with odd intersection form 10
Kouichi Yasui (Hiroshima Univ.)
- 4 Takuya Sakasai (Univ. of Tokyo)[#] The abelianization of the symplectic derivation Lie algebra of the free
Masaaki Suzuki (Akita Univ.) associative algebra 15
Shigeyuki Morita (Univ. of Tokyo)
- 5 Kazuki Toda (Univ. of Tokyo)^{*} The second cohomology of the homological Goldman Lie algebra 10
- 6 Nariya Kawazumi (Univ. of Tokyo)[#] On the Turaev cobracket and the Morita traces 20
Yusuke Kuno (Tsuda Coll.)
- 7 Jong Bum Lee (Sogang Univ.)[#] The geometry of Sol^3 15
- 8 Suyoung Choi (Ajou Univ.)[#] Rational homology of real toric variety over graph associahedra 15
Hanchul Park (Ajou Univ.)
- 9 Junhui Kim (Wonkwang Univ.)[#] A non-2-starcompact Tychonoff space whose hyperspace is 2-starcompact
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14:15–16:00

- 10 Kenshi Ishiguro (Fukuoka Univ.)[#] Pairings and monomorphisms of classifying spaces 10
Shotaro Kudo (Fukuoka Univ.)
Tomohiro Nakano (Wajiro Junior High School)
- 11 Tomohisa Inoue (Shinshu Univ.)[#] The 31-stem homotopy groups of 9 and 10-dimensional spheres 10
Juno Mukai (Matsumoto Univ.)
- 12 Ipei Ichigi (Kochi Nat. Coll. of Tech.) The homotopy groups of a type two spectrum grading over the Picard
Katsumi Shimomura (Kochi Univ.) group of \mathcal{L}_2 15
Yutaro Terahara (Kochi Univ.)
- 13 Takahito Naito (Shinshu Univ.)[#] String topology on rational Gorenstein spaces 15
- 14 Ryo Kato (Nagoya Univ.)[#] On the generalized retract conjecture 10
Katsumi Shimomura (Kochi Univ.)
Yutaro Tatehara (Kochi Univ.)
- 15 Tadayuki Haraguchi (Okayama Univ.)^{*} Model structure of numerically generated spaces 15

16:20–17:20 Invited Talk by Research Section

- Toshio Sumi (Kyushu Univ.)^{*} The Smith equivalence problem and Smith sets of Oliver groups

September 19th (Wed) Session Room VIII and IX

10:30–10:45 Presentation Ceremony for 2012 Geometry Prize**10:50–11:50 Award Lecture for 2012 Geometry Prize**Ken'ichi Ohshika (Osaka Univ.)[#] Topological structure of deformation spaces of Kleinian groups**13:15–14:15 Award Lecture for 2012 Geometry Prize**Yukinobu Toda (Univ. of Tokyo)[#] Stability conditions and Donaldson–Thomas type invariants on Calabi–Yau 3-folds

September 20th (Thu) Session Room IX

9:30–11:45

- 16 Takuji Nakamura (Osaka Electro-Comm. Univ.)^{*} The state numbers of plane curves and knots 10
 Yasutaka Nakanishi (Kobe Univ.)
 Shin Satoh (Kobe Univ.)
 Yumi Toyama (Kobe Univ.)
- 17 Reiko Shinjo (Waseda Univ.)[#] On the inclusive relation of three properties of knot diagrams 10
 Kokoro Tanaka (Tokyo Gakugei Univ.)
- 18 Kokoro Tanaka (Tokyo Gakugei Univ.)[#] Interpretation of rack coloring knot invariants in terms of quandles ... 15
 Yuma Taniguchi (Tokyo Gakugei Univ.)
- 19 Masao Hara (Tokai Univ.)[#] On Jones polynomials of alternating pretzel knots 10
 Makoto Yamamoto (Chuo Univ.)
- 20 Atsuhiko Mizusawa (Waseda Univ.)[#] Yokota type invariants for oriented spatial graphs derived from Costantino–Murakami's invariants 15
- 21 Kenta Okazaki (Kyoto Univ.)[#] On the Turaev–Viro–Ocneanu invariants of 3-manifolds associated with the E_6 and E_8 subfactor planar algebras 10
- 22 Inasa Nakamura (Gakushuin Univ.)[#] Unknotting numbers and triple point cancelling numbers of torus-covering knots 10
- 23 Yeonhee Jang (Nara Women's Univ.)[#] Distance of bridge presentations of links and essential surfaces in the link exteriors 15

14:15–15:40

- 24 Kengo Kishimoto (Osaka Inst. of Tech.)[#] Simple ribbon fusions for links II 10
 Tetsuo Shibuya (Osaka Inst. of Tech.)
 Tatsuya Tsukamoto (Osaka Inst. of Tech.)
- 25 Tetsuya Abe (Kyoto Univ.)[#] Annulus twists and diffeomorphic 4-manifolds 15
 In Dae Jong (Osaka Pref. Univ.)
- 26 Tetsuya Abe (Kyoto Univ.)[#] Omae's knot and $12_{a,990}$ are ribbon 15
 Motoo Tange (Univ. of Tsukuba)
- 27 Yuichi Yamada (Univ. of Electro-Comm.)[#] Divide knot presentations of sporadic knots of Berge's lens space surgery 10
- 28 Motoo Tange (Univ. of Tsukuba)[#] Primitive/Seifert knots in the Poincaré homology sphere 15

16:00–17:00 Invited Talk by Research SectionKoya Shimokawa (Saitama Univ.)[#] Tangle analysis of site-specific recombinations

September 21st (Fri) Session Room IX

9:15–12:00

- 29 Yusuke Mizota (Kyushu Univ.)[#] Explicit construction of generators for the module of liftable vector fields
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- 30 Masaru Kada (Osaka Pref. Univ.)[#] Galois–Tukey connection involving order structures of metrics 20
 Yasuo Yoshinobu (Nagoya Univ.)
- 31 Hanbiao Yang (Univ. of Tsukuba)* Metrization of function spaces with the Fell topology 10
- 32 Katsuhisa Koshino (Univ. of Tsukuba)* Characterizing infinite-dimensional manifolds and its applications 15
- 33 Jun Yagi (Kochi Univ.)[#] The topology of a model for ringed hydrocarbon molecules 15
 Satoru Goto (Tokyo Univ. of Sci.)
 Yutaka Hemmi (Kochi Univ.)
 Kazushi Komatsu (Kochi Univ.)
- 34 Akihiro Higashitani (Osaka Univ.)[#] Lattice multi-polygons 15
 Mikiya Masuda (Osaka City Univ.)
- 35 Takami Sato (Hokkaido Univ.)[#] Curves on a spacelike surface in three dimensional Lorentz–Minkowski
 space 10
- 36 Shin Kiriki (Kyoto Univ. of Edu.)[#] Existence of generic cubic homoclinic tangencies for Hénon maps 15
 Teruhiko Soma (Tokyo Metro. Univ.)
- 37 Toshikazu Ito (Ryukoku Univ.)* Degeneracy locus of critical points of the distance function on a holo-
 morphic foliation 10
 Bruno Scárdua
 (Univ. Fed. Rio de Janeiro)
 Yoshikazu Yamagishi (Ryukoku Univ.)
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