

Topology

March 20th (Wed)

9:30–12:00

- 1 Shin Satoh (Kobe Univ.)* OU sequence of knot diagram and its application 10
 Ryuji Higa (Kobe Univ.)
 Yasutaka Nakanishi (Kobe Univ.)
 Takuto Yamamoto (Kobe Univ.)
- 2 Taizo Kanenobu (Osaka City Univ.)# Links which are related by a band surgery 10
 Hiromasa Moriuchi (Osaka City Univ.)
- 3 Takuji Nakamura (Osaka Electro-Comm. Univ.)# The number of colors in a Fox coloring 10
 Yasutaku Nakanishi (Kobe Univ.)
 Shin Satoh (Kobe Univ.)
- 4 Makoto Ozawa (Komazawa Univ.)# Coexistence of coiled surfaces and spanning surfaces for knots and links 15
- 5 Makoto Ozawa (Komazawa Univ.)# A destabilized bridge sphere of bridge number arbitrarily higher than 10
 Kazuto Takao (Osaka Univ.) the bridge number of the knot
- 6 Masakazu Teragaito (Hiroshima Univ.)# Left-orderable fundamental group and Dehn surgery on twist knots ... 10
 Ryoto Hakamata (Hiroshima Univ.)
- 7 Kazuhiro Ichihara (Nihon Univ.)# Exceptional surgeries on alternating knots 10
 Hidetoshi Masai (Tokyo Tech)
- 8 Toshifumi Tanaka (Gifu Univ.)# On the maximal Thurston–Bennequin number for knots in a spatial graph 10
- 9 Isamu Miyato (Nagoya Inst. of Tech.)# On a certain parity of the Alexander polynomial 10
- 10 Sakie Suzuki (Kyoto Univ.)# Bing doubling and the colored Jones polynomial 10
- 11 Takefumi Nosaka (Kyushu Univ.)# Topological interpretation of link invariants from finite quandles I; main theorem 10
- 12 Takefumi Nosaka (Kyushu Univ.)# Topological interpretation of link invariants from finite quandles II; some calculations 10
- 13 Takefumi Nosaka (Kyushu Univ.)# On third homologies of groups and of quandles via Dijkgraaf–Witten invariant and Inoue–Kabaya map 10
- 14 Rei Inoue (Chiba Univ.)# Cluster algebra and complex volume of 2-bridge links 15
 Kazuhiro Hikami (Kyushu Univ.)

14:30–15:30 Talk invited by Topology Section

- Takahiro Kitayama (Univ. of Tokyo)# Torsion functions on character varieties and an extension of Culler–Shalen theory

15:45–16:45 Talk invited by Topology Section

- Makoto Sakuma (Hiroshima Univ.)# Simple loops on bridge spheres and Heegaard surfaces

March 21st (Thu)

9:30–12:00

- 15 Hiroki Takahashi (Kyoto Univ.) * Emergence of attractors at the first bifurcation of the Hénon family 15
- 16 Katsuhisa Koshino (Univ. of Tsukuba) * A Hilbert cube compactification of a function space into a 1-dimensional
Katsuro Sakai (Univ. of Tsukuba) locally compact AR with the compact-open topology 20
- 17 Wataru Yuasa (Tokyo Tech) * Hyperelliptic Goldman Lie algebra and its abelianization 15
- 18 Yusuke Kuno (Tsuda Coll.) * An extension of the Earle class to the Ptolemy groupoid 10
Robert Penner (Aarhus Univ./Caltech)
Vladimir Turaev (Indiana Univ.)
- 19 Takuya Sakasai (Univ. of Tokyo) # Computations of Euler characteristics of graph homologies in low
Masaaki Suzuki (Akita Univ.) weights 15
Shigeyuki Morita (Univ. of Tokyo*)
- 20 Tatsuro Shimizu (Univ. of Tokyo) # An extension of degree one finite type invariant for rational homology
3-spheres to correspondences. 15
- 21 Tomohiko Ishida (Univ. of Tokyo) # Quasi-morphisms on the group of area-preserving diffeomorphisms of
the 2-disk 10
- 22 Hidetoshi Masai (Tokyo Tech) # On commensurability of fibrations on a hyperbolic 3-manifold 10
- 23 Kenta Hayano (Osaka Univ.) # Multisections of Lefschetz fibrations via mapping class groups 15
Refik İnanç Baykur
(Max Planck Inst. for Math./Brandeis Univ.)
- 24 Naoyuki Monden (Kyoto Univ.) # Lefschetz fibrations with small slope 15

13:30–14:30 Talk invited by Topology Section

- Kouichi Yasui (Hiroshima Univ.) # Corks and exotic 4-manifolds

March 22nd (Fri)

10:15–11:50

- 25 Tadayuki Haraguchi * Long exact sequences for de Rham cohomology of diffeological spaces
(Internat. Pacific Univ.) 15
- 26 Masaki Nakagawa (Okayama Univ.) * On the generalization of the Schur P , Q -functions which give the basis
Hiroshi Naruse (Okayama Univ.) for the generalized (co)homology of the loop spaces on classical groups
..... 15
- 27 Takahiro Matsushita (Univ. of Tokyo) * Fundamental groups of neighborhood complexes 10
- 28 Yusuke Kawamoto * Higher homotopy commutativity of H -spaces and the cyclohedra 10
(Nat. Defense Acad. of Japan)
- 29 Miho Hatanaka (Osaka City Univ.) # The uniqueness of decompositions of a (topological) toric manifold ... 10
- 30 Yukiko Fukukawa (Osaka City Univ.) # The ring structure of the equivariant cohomology ring of the Peterson
Megumi Harada (MacMaster Univ.) variety 10
Mikiya Masuda (Osaka City Univ.)

31	Takahito Naito (Shinshu Univ.) [#]	On the loop coproducts of the relative loop spaces	10
32	Kohei Tanaka (Shinshu Univ.) [#]	A model structure on the category of small categories related to coverings	15

15:00–16:35

33	Atsuhide Mori (Osaka City Univ.) [*]	High dimensional confoliations and leafwise symplectic foliations	15
34	Tomonori Fukunaga (Hokkaido Univ.) [*] Masatomo Takahashi (Muroran Inst. of Tech.)	Evolute of fronts in the Euclidean plane	20
35	Shunsuke Ichiki (Yokohama Nat. Univ.) [#]	Distance-squared mappings	15
36	Tomoo Yokoyama (Hokkaido Univ.) [#]	Almost periodic, recurrent, non-wandering properties for flows and foliations	15
37	Shin Kiriki (Kyoto Univ. of Edu.) [#] Teruhiko Soma (Tokyo Metro. Univ.)	C^2 -robust heterodimensional tangencies	15
38	Yusuke Mizota (Kyushu Univ.) [#]	Improving estimate of the highest degree of liftable vector fields	15