

Geometry

September 24th (Tue)

9:15–12:00

- 1 Hiroaki Izumi (Elpida Memory, Inc.)[#] The elucidation of the business cycle as a phase transition II 10
- 2 Tetsuya Nagano (Univ. of Nagasaki)[#] On the tangent vector of geodesics in Finsler space 10
- 3 Tomonori Fukunaga (Hokkaido Univ.)^{*} Evolutes and involutes of fronts 15
Masatomo Takahashi
(Muroran Inst. of Tech.)
- 4 Yoshinori Machida^{*} Geometry of conformal triality from the D_4 diagram and singularities 15
(Numazu Nat. Coll. of Tech.)
Goo Ishikawa (Hokkaido Univ.)
Masatomo Takahashi
(Muroran Inst. of Tech.)
- 5 Goo Ishikawa (Hokkaido Univ.)[#] Singular path duality for Cartan distributions from geometric control theory 15
Yumiko Kitagawa
(Oita Nat. Coll. of Tech.)
Wataru Yukuno (Hokkaido Univ.)
- 6 Sadahiro Maeda (Saga Univ.)[#] Sectional curvatures of ruled real hypersurfaces in a nonflat complex space form 10
Hiromasa Tanabe
(Matsue Coll. of Tech.)
- 7 Sadahiro Maeda (Saga Univ.)[#] Normal real hypersurfaces in a nonflat complex space form 15
Hiromasa Tanabe
(Matsue Coll. of Tech.)
Byung Hak Kim (Kyung Hee Univ.)
- 8 Aya Ishizeki (Saitama Univ.)^{*} Decomposition of the Möbius energy and its Möbius invariance 15
Takeyuki Nagasawa (Saitama Univ.)
- 9 Ryosuke Mineyama (Osaka Univ.)[#] On Cannon–Thurston maps for Coxeter groups 15
- 10 Akihiro Higashitani (Osaka Univ.)[#] Asymptotic behavior of roots of infinite Coxeter groups 15
Ryosuke Mineyama (Osaka Univ.)
Norihiko Nakashima (Hokkaido Univ.)

14:15–16:00

- 11 Tomoaki Yatsui[#] On the prolongation of sub-conformal fundamental graded Lie algebras 10
- 12 Yuto Imai (Waseda Univ.)[#] On the quarternification of the Lie algebra $Map(S^3, \mathfrak{g})$ and its extensions 10
Tosiaki Kori (Waseda Univ.)
- 13 Takahiro Hashinaga (Hiroshima Univ.)[#] Homogeneous Ricci soliton hypersurfaces in complex hyperbolic spaces 10
Akira Kubo (Hiroshima Univ.)
Hirosi Tamaru (Hiroshima Univ.)
- 14 Hiroyuki Tasaki (Univ. of Tsukuba)^{*} Antipodal sets in oriented real Grassmann manifolds 10

- 15 Jost-Hinrich Eschenburg * Maximal tori of extrinsic symmetric spaces and meridians 15
 (Univ. of Augsburg)
 Peter Quast (Univ. of Augsburg)
 Makiko Tanaka (Tokyo Univ. of Sci.)
- 16 Yuriko Umemoto (Osaka City Univ.)[#] Growth rates of cocompact hyperbolic Coxeter groups and 2-Salem numbers 15
- 17 Yu Kitabeppu (Tohoku Univ.)[#] Dirichlet problem on graphs with nonnegative Ricci curvature 10
- 18 Hikaru Yamamoto (Univ. of Tokyo)[#] Type I singularities of mean curvature flows over cone manifolds 10

16:15–17:15 Talk invited by Geometry Section

- Hisashi Kasuya (Tokyo Tech)[#] Cohomologies and deformations of solvmanifolds

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

- 19 Kiyohisa Tokunaga[#] Triangular integrals for 2-, 3- and 4-variable functions 15
 (Fukuoka Inst. of Tech.)
- 20 Yoshio Agaoka (Hiroshima Univ.) * Langr's problem and the similarity invariants of quadrangles 15
- 21 Jin-ichi Itoh (Kumamoto Univ.) * Every graph is a cut locus 15
 Costin Vilcu (IMAR, Bucharest)
- 22 Ayato Mitsuishi (Tohoku Univ.) * A de Rham's theorem of metric spaces 15
- 23 Ayato Mitsuishi (Tohoku Univ.) * Stability of strongly Lipschitz contractible balls in Alexandrov spaces
 Takao Yamaguchi (Univ. of Tsukuba) 10
- 24 Tetsu Toyoda * Optimal realizations with respect to nonlinear spectral gaps 15
 (Suzuka Nat. Coll. of Tech.)
 Takefumi Kondo (Tohoku Univ.)
- 25 Takefumi Kondo (Tohoku Univ.) * $\text{Cycl}_k(0)$ space and Wir_k space 10
 Tetsu Toyoda
 (Suzuka Nat. Coll. of Tech.)
- 26 Masato Mimura (Tohoku Univ.) * Multi-way isoperimetries, expanders, and finite Cayley graphs 15
- 27 Masato Mimura (Tohoku Univ.) * Extrapolation of Banach spectral gaps of finite graphs 15
- 28 Naotaka Kajino (Kobe Univ.)[#] Geometry of the measurable Riemannian structure on the Sierpiński gasket: structure of geodesics and lower unbounded Ricci curvature 15

- 29 Yushi Okitsu (Tokyo Tech)[#] The construction of non-compact toric Kähler manifolds and its applications 10
- 30 Hiroshi Iriyeh (Tokyo Denki Univ.)^{*} Homological rigidity of Lagrangian submanifolds of a complex projective space with an intermediate minimal Maslov number 15

14:15–16:00

- 31 Mitsuhiro Itoh (Univ. of Tsukuba)[#] Quaternionic mean curvature of horospheres in quaternionic Kähler
Hiroyasu Satoh (Tokyo Denki Univ.) Hadamard manifolds 15
Young Jin Suh (Kyungpook Nat. Univ.)
- 32 Mitsuhiro Imada (Keio Univ.)[#] Complex almost contact metric structures on $S^{4p+3} \times S^{4q+3}$ 15
- 33 Shin Kikuta (Sophia Univ.) The limits on boundary of orbifold Kähler–Ricci flows and Kähler–Einstein metrics over quasi-projective manifolds 15
- 34 Yohsuke Imagi (Kyoto Univ.)^{*} A topological characterization of Lawlor necks 15
- 35 Masashi Hamanaka (Nagoya Univ.)[#] ADHM construction of noncommutative instantons 15
Toshio Nakatsu (Setsunan Univ.)
- 36 Kenta Hayano (Osaka Univ.)[#] Logarithmic transformations and generalized complex structures of 4-
Ryushi Goto (Osaka Univ.) manifolds 15

16:15–17:15 Talk invited by Geometry Section

- Shoichi Fujimori (Okayama Univ.)[#] Zero mean curvature embeddings in the Lorentz–Minkowski 3-space