Draft Version: 2014/07/24

2014 Mathematical Society of Japan

AUTUMN MEETING

Dates: September 25th (Thu)–28th (Sun), 2014

Venue: Hiroshima University, Higashi-Hiroshima Campus
1–7–1, Kagamiyama, Higashi-Hiroshima City,
Hiroshima 739-8521

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	I Fac. Int. Arts Sci. K110	II Fac. Int. Arts Sci. K108	III Fac. Int. Arts Sci. K107	IV Fac. Int. Arts Sci. L101	V Fac. Int. Arts Sci. L102	VI Fac. Int. Arts Sci. K211	VII Fac. Int. Arts Sci. K210	VIII Fac. Int. Arts Sci. K201	IX Fac. Int. Arts Sci. K314
25th (Thu)	Complex Analysis 9:00–12:00 14:10–16:50	Algebra 9:30–12:00 14:15–16:15	Geometry 9:40–12:00 14:15–16:10	Functional Analysis 14:15–16:35	Functional Equations 9:00–12:00 14:15–16:15	Topology 9:20–12:00 14:15–15:25	Statistics and Probability 9:30–11:50	Applied Mathematics 9:30–11:30 14:15–17:00	Infinite Analysis 10:00–12:00 14:15–15:30
	Featured Invited Talks 13:00–14:00								
	Invited Talk 17:00–18:00	Invited Talk 16:30–17:30	Invited Talk 16:30–17:30	Invited Talk 17:00–18:00	Invited Talk 16:30–17:30	Invited Talk 15:45–16:45	Invited Talks 14:15–15:15 15:30–16:30		Invited Talk 15:45–16:45
26th (Fri)	Complex Analysis 9:00–10:30	Algebra 9:30–11:50	Geometry	Functional Analysis 10:00–11:50	Functional Equations 9:00–12:00	Topology 13:00–14:15	Statistics and Probability 9:30–11:30	Applied Mathematics 9:30–11:30	Infinite Analysis 10:00–12:00
	Invited Talk 13:20–14:20	Invited Talk 13:20–14:20	Invited Talks 10:50–11:50 13:15–14:15	Invited Talk 13:10–14:10	Invited Talk 13:15–14:15			Invited Talk 13:00–14:00	Invited Talk 13:00–14:00
	MSJ Prizes Presentation (Satake Memorial Hall) ····· (14:50–15:20) Plenary Talks (Satake Memorial Hall) MSJ Autumn Prize Winner ····· (15:30–16:30) Ken'ichi Ohshika (Osaka Univ.) ····· (16:45–17:45) Official Party (Saijo HAKUWA Hotel) ····· (18:15–20:15)								
27th (Sat)	Real Analysis 9:00–11:45 14:15–16:20	Algebra 9:30–11:25 15:30–17:30	Geometry 9:40–12:00 14:15–16:00	Functional Analysis 9:00–12:00 14:15–16:45	Functional Equations 9:00–12:00 14:15–16:15	Topology 9:20–11:50 14:15–15:40	Statistics and Probability 9:30–12:00	Applied Mathematics 14:15–16:30 Special Session 9:30–11:55	Found. of Math. and History of Math. 9:30–11:40 14:15–15:40
	Featured Invited Talks 13:00–14:00								
	Invited Talk 16:40–17:40	Invited Talk 14:15–15:15	Invited Talk 16:15–17:15	Invited Talk 17:00–18:00	Invited Talk 16:30–17:30	Invited Talk 16:00–17:00	Invited Talks 14:15–15:15 15:30–16:30	Invited Talk 16:45–17:45	Invited Talk 16:00–17:00
28th (Sun)	Real Analysis 9:00–11:50 14:15–15:40	Algebra 9:15–12:00			Functional Equations 9:00–12:00 14:15–16:15	Topology 9:20–12:00	Statistics and Probability 9:30–11:20 14:15–16:10	Applied Mathematics 9:30–11:50 14:15–16:15	Found. of Math. and History of Math. 9:30–11:30 15:00–16:10
	Featured Invited Talks 13:00–14:00								
	Invited Talk 16:00–17:00	Invited Talk 14:15–15:15			Invited Talk 16:30–17:30			Invited Talk 16:30–17:30	

Plenary Talks

September 26th (Fri) Satake Memorial Hall

MSJ Autumn Prize Winner ..... (15:30–16:30)

Ken'ichi Ohshika (Osaka Univ.) Geometry of Kleinian groups and its applications ..... (16:45–17:45)

Featured Invited Talks

September 25th (Thu)

Conference Room II

Ming-Lun Hsieh (Nat. Taiwan Univ.)♭ Modular forms and Iwasawa theory ..... (13:00–14:00)

Conference Room V

Seiro Omata (Kanazawa Univ.)♭ Mathematical and numerical analysis of a droplet and bubble motion ..... (13:00–14:00)

September 27th (Sat)

Conference Room II

Masaki Kashiwara (Kyoto Univ.) Riemann Hilbert correspondence for irregular holonomic D-modules ..... (13:00–14:00)

Conference Room III

Toshitake Kohno (Univ. of Tokyo) Iterated integrals and de Rham homotopy theory ..... (13:00–14:00)

Conference Room V

Yasuo Komori-Furuya (Tokai Univ.) Cauchy integral operator and related topics ..... (13:00–14:00)

September 28th (Sun)

Conference Room II

Ichiro Shimada (Hiroshima Univ.) K3 surfaces and lattice theory ..... (13:00–14:00)

Conference Room III

Mitsuo Morimoto (Yokkaichi Univ. / Sophia Univ.⋆) The 350th anniversary of Takebe Katahiro ..... (13:00–14:00)

Talks Invited by Research Sections and Special Session

September 25th (Thu)

Algebra (Conference Room II)

Hidehiko Mishou (Tokyo Denki Univ.) An overview of the theory of universality for zeta functions ····· (16:30–17:30)

Geometry (Conference Room III)

Osamu Ikawa (Kyoto Inst. Tech.)* Foundations and applications of symmetric triads ····· (16:30–17:30)

Complex Analysis (Conference Room I)

Yoshihiro Mizuta (Hiroshima Inst. of Tech.) Function spaces of variable exponent and Sobolev's theorem ····· (17:00–18:00)

Functional Equations (Conference Room V)

Naoki Sioji (Yokohama Nat. Univ.) A generalized Pohozaev identity and uniqueness of positive radial solutions for an elliptic equation ····· (16:30–17:30)

Functional Analysis (Conference Room IV)

Tetsu Mizumachi (Kyushu Univ.) Stability of line solitons for the KP-II equation ····· (17:00–18:00)

Statistics and Probability (Conference Room VII)

Atsushi Takeuchi (Osaka City Univ.) Integration by parts formula for jump processes ····· (14:15–15:15)

Hiroki Takahashi (Keio Univ.)* On the destruction of Smale's horseshoe in the Henon map (and what comes afterwards) ····· (15:30–16:30)

Topology (Conference Room VI)

Brian Bowditch* (Univ. of Warwick / Tokyo Tech) Rigidity results for spaces associated to a surface ····· (15:45–16:45)

Infinite Analysis (Conference Room IX)

Soichi Okada (Nagoya Univ.) Schur-type Pfaffians and their applications to symmetric function ····· (15:45–16:45)

September 26th (Fri)

Algebra (Conference Room II)

Masato Okado (Osaka City Univ.) Tetrahedron equation and quantum groups ····· (13:20–14:20)

Geometry and Topology (Conference Room III)

Award Lecture for MSJ Geometry Prize 2014 —Celebrating Professor Masatake Kuranishi—

Ryushi Goto (Osaka Univ.)
Kimio Miyajima (Kagoshima Univ.*) Kuranishi's masterpieces and their developments in deformation theory and CR-geometry ····· (10:50–11:50)

Geometry (Conference Room III)

Takumi Yokota (Kyoto Univ.) Convex functions and barycenter on CAT(1)-spaces of small radii ····· (13:15–14:15)

Complex Analysis (Conference Room I)

Yukitaka Abe (Univ. of Toyama) * Analytic study of singular curves ····· (13:20–14:20)

Functional Equations (Conference Room V)

Hideo Nakazawa ♭ (Nippon Medical School) Scattering problems for wave equations with dissipation and related topics ····· (13:15–14:15)

Functional Analysis (Conference Room IV)

Hiroshi Oda (Takushoku Univ.) Connections between representation theories for real reductive Lie groups and graded Hecke algebras ····· (13:10–14:10)

Applied Mathematics (Conference Room VIII)

Etsuo Segawa (Tohoku Univ.) Spectral mapping of quantum walks ····· (13:00–14:00)

Infinite Analysis (Conference Room IX)

Yousuke Ohyama (Osaka Univ.) Classical Analysis on the q-Painlevé equations ····· (13:00–14:00)

September 27th (Sat)

Foundation of Mathematics and History of Mathematics (Conference Room IX)

Daisuke Ikegami (Kobe Univ.) Gödel's program, large cardinals, and forcing axioms ····· (16:00–17:00)

Algebra (Conference Room II)

Hiroyuki Minamoto (Osaka Pref. Univ.) ♭ Derived bi-duality and DG-completion ····· (14:15–15:15)

Geometry (Conference Room III)

Shin-ichi Oguni (Ehime Univ.) * The coarse Baum–Connes conjecture and coarse algebraic topology ····· (16:15–17:15)

Functional Equations (Conference Room V)

Kotaro Tsugawa (Nagoya Univ.) Local well-posedness for fifth-order nonlinear dispersive equations ····· (16:30–17:30)

Real Analysis (Conference Room I)

Kenichi Mitani (Okayama Pref. Univ.) On geometrical constants of Banach spaces ····· (16:40–17:40)

Functional Analysis (Conference Room IV)

Yasuhiko Sato (Kyoto Univ.) ♭ Classification theorem of C*-algebras and the Toms–Winter conjecture ····· (17:00–18:00)

Statistics and Probability (Conference Room VII)

Hironori Fujisawa (Inst. of Stat. Math.) Divergence-based robust statistics ····· (14:15–15:15)

Yoichi Miyata (Takasaki City Univ. of Econ.) On asymptotic properties of Bayesian type estimators ···· (15:30–16:30)

Applied Mathematics (Conference Room VIII)

Yoshihito Oshita (Okayama Univ.) Motion of droplets driven by curvature and potential ····· (16:45–17:45)

Topology (Conference Room VI)

Masaharu Ishikawa (Tohoku Univ.) Stable maps and branched shadows of 3-manifolds ····· (16:00–17:00)

September 28th (Sun)

Algebra (Conference Room II)

Isamu Iwanari (Tohoku Univ.)♭ Tannaka duality for higher categories ····· (14:15–15:15)

Functional Equations (Conference Room V)

Shinya Okabe (Tohoku Univ.)♭ A fourth order parabolic obstacle problem ····· (16:30–17:30)

Real Analysis (Conference Room I)

Kentarou Yoshii (Tokyo Univ. of Sci.) On the hyperbolic type linear evolution equations ····· (16:00–17:00)

Applied Mathematics (Conference Room VIII)

Takeshi Takaishi (Hiroshima Kokusai Gakuin Univ.) A phase-field model for crack growth and its numerical verification ····· (16:30–17:30)

Open Lectures for Citizens

Date: September 28th (Sun) 14:00–16:30

Venue: Fac. Sci., E102

Sponsored by: Mathematical Society of Japan

Program: Opening Speech:

Tadahisa Funaki (President of MSJ / Univ. of Tokyo) ····· (14:00–14:10)

Lecture 1:

Ryo Kobayashi (Hiroshima Univ.)

Wonderful ability of the single-cell organism —Slime mold taught us how to control robots— ····· (14:10–15:10)

Lecture 2:

Shun-ichi Kimura (Hiroshima Univ.)

Mathematics via experiments! ····· (15:30–16:30)

Web Page: `http://mathsoc.jp/en/meeting/hiroshima14sept/`

Foundation of Mathematics and History of Mathematics

September 27th (Sat) Conference Room IX

9:30–11:40

1 Takashi Oyabu ♭ Theory of H-theorems, and other 5 talks ····· 5

2 Yoshifumi Ito (Univ. of Tokushima*) Definition and existence theorem of the concept of ordinal numbers ····· 15

3 Makoto Kikuchi (Kobe Univ.)
Sakaé Fuchino (Kobe Univ.)
On the constructive nature of the incompleteness theorem ····· 15

4 Makoto Kikuchi (Kobe Univ.)
Taishi Kurahashi (Kisarazu Nat. Coll. of Tech.)
On theorems and proofs in nonstandard models of arithmetic ····· 15

5 Kazuyuki Tanaka (Tohoku Univ.)
Florian Pelupessy (Tohoku Univ.)
Phase transitions and reverse mathematics ····· 15

6 Toshio Suzuki (Tokyo Metro. Univ.)
Yoshinao Niida (Patent Result Co.)
Equilibrium points of an AND-OR tree: under constraints on probability ····· 15

7 Kohtaro Tadaki (Chuo Univ.) Reformulating quantum mechanics by algorithmic randomness ····· 15

8 Hiroyuki Ota (Univ. of Tokyo)
Akitoshi Kawamura (Univ. of Tokyo)
Small complexity classes for computable analysis ····· 15

14:15–15:40

9 Takayuki Kihara (JAIST)
Arno Pauly (Univ. of Cambridge)
σ-homeomorphism types and point degree spectra of infinite dimensional spaces ····· 15

10 Sakaé Fuchino (Kobe Univ.) Almost continuity of Baire functions ····· 15

11 Hiroaki Minami
Hiroshi Sakai (Kobe Univ.)
The dominating number of F_σ ideals on Katětov–Blass order ····· 15

12 Yoshihiro Abe (Kanagawa Univ.) Rigidity and weakly normal ideals on $\mathcal{P}_\kappa\lambda$ ····· 15

13 Toshimichi Usuba (Kobe Univ.) Set-theoretic geology in HOD ····· 15

16:00–17:00 Talk invited by Section on Foundation and History of Mathematics

Daisuke Ikegami (Kobe Univ.) Gödel's program, large cardinals, and forcing axioms

September 28th (Sun) Conference Room IX

9:30–11:30

14 Koichiro Ikeda (Hosei Univ.) Simplicity and the strong order property of generic structures ····· 15

15 Hirotaka Kikyo (Kobe Univ.) On model complete generic structures ····· 15

16 Munehiro Kobayashi (Univ. of Tsukuba)
Akito Tsuboi (Univ. of Tsukuba)
On the equivalence of dividing and forking in NTP_2 theories ····· 15

17 Toshihiko Kurata (Hosei Univ.) Categorical equivalence between concrete domains and sheaves ····· 15

18 Katsuhiko Sano (JAIST) Cut-elimination theorem for Belnap–Dunn's four-valued logic ····· 15

19 Nobu-Yuki Suzuki (Shizuoka Univ.) The independence of existence and disjunction properties in intermediate predicate logics ····· 15

20 Ryo Kashima (Tokyo Tech) On semilattice relevant logics ····· 15

11:30–12:00 Research Section Assembly

14:15–14:45 Mathematics History Team Meeting Part 1

"On the map of Japan drawn under the direction of TAKEBE Katahiro with orders of Yoshimune, the eighth Tokugawa shogun, during the Kyoho period"
Lecture by Minoru Kuge (Hiroshima Prefectural Museum of History) and discussion

15:00–16:10

21 Shunzi Horiguchi (Niigata Sangyo Univ.)
Tetsuaki Shimotomai
A discovery of the Shimizu style surveying secret book —Considerations from the connections of the surveyors and religions— ····· 15

22 Shotaro Tanaka ♭ Methods for power series expansions of rational functions. Strictness and handiness of their methods ····· 15

23 Shigeru Masuda (Res. Workshop of Classical Fluid Dynamics) La valeur particurière and the eigenvalue ····· 15

24 Shigeru Masuda (Res. Workshop of Classical Fluid Dynamics) Prévost's study preceding Fourier of heat communication in the history of physico-mathematics ····· 15

16:10–16:40 Mathematics History Team Meeting Part 2

Other topics

Algebra

September 25th (Thu) Conference Room II

9:30–12:00

1 Hiroko Yanaba (Hiroo Gakuen)
Takahiro Shishikura (Hiroo Gakuen)
On some results of the function associated with the Euler function $\varphi(a)$ ····· 10

2 Shigeru Iitaka (Gakushuin Univ.*) On a function associated with $\sigma(a)$ ····· 10

3 Yasutoshi Nomura * Primality and divisibility of Stirling numbers of the 2nd kind ····· 10

4 Isao Kiuchi (Yamaguchi Univ.) *
Makoto Minamide (Yamaguchi Univ.)
Yoshio Tanigawa (Nagoya Univ.)
On a sum involving the Möbius function ····· 10

5 Eiji Miyanohara (Waseda Univ.) Transcendence of digital expansions generated by a cyclic permutation and k-adic expansion ····· 10

6 Takeshi Kurosawa (Tokyo Univ. of Sci.), Iekata Shiokawa (Keio Univ.*) Algebraic independence of components of certain trigonometric functions ····· 10

7 Yohei Tachiya (Hirosaki Univ.) Arithmetical properties of the values of the generalized divisor function series ····· 10

8 Kazuki Sato (Tohoku Univ.) Rational points on diagonal cubic surfaces ····· 10

9 Akiko Ito (Kanagawa Univ.) * On the 3-divisibility of the class numbers of certain quadratic fields (II) ····· 10

10 Soichi Ikeda (Nagoya Univ.) *, Kaneaki Matsuoka (Nagoya Univ.) Mean values of multiple zeta-functions ····· 10

11 Tomokazu Onozuka (Nagoya Univ.) Zero-free regions of multiple zeta star functions ····· 10

12 Yumiko Hironaka (Waseda Univ.) * Zeta functions of finite groups by counting numbers of subgroups ···· 15

14:15–16:15

13 Hiroto Inoue (Kyushu Univ.) Expansion of the completed Riemann zeta function in Meixner–Pollaczek polynomials and its zeros ····· 10

14 Yoshikatsu Yashiro (Nagoya Univ.) * Distribution of zeros and zero-density estimate for the derivatives of L-function attached to cusp form ····· 10

15 Takahiro Wakasa (Nagoya Univ.) * An explicit upper bound of the argument of Dirichlet L-functions on the generalized Riemann hypothesis ····· 10

16 Kohta Gejima (Osaka Univ.) Shintani functions on $\mathrm{SL}(2,\mathbf{C})$ and Heun's differential equations ····· 15

17 Shingo Sugiyama (Osaka Univ.), Masao Tsuzuki (Sophia Univ.) Existence of Hilbert cusp forms with non-vanishing L-values ····· 15

18 Shuichi Hayashida (Joetsu Univ. of Edu.) Generalizations of the Maass relation of Siegel modular forms ····· 15

19 Hirotaka Kodama (Kinki Univ.), Shoyu Nagaoka (Kinki Univ.) On the mod p kernel of the theta operator ····· 10

20 Hidehiko Mishou (Tokyo Denki Univ.), Hirofumi Nagoshi (Gunma Univ.) Joint d-universality for Dirichlet L-functions with real characters and multi-dimensional denseness of quadratic class numbers ····· 10

16:30–17:30 Talk invited by Algebra Section

Hidehiko Mishou (Tokyo Denki Univ.) An overview of the theory of universality for zeta functions

September 26th (Fri) Conference Room II

9:30–11:50

21 Sin-Ei Takahasi (Toho Univ.) *, Yuji Kobayashi (Toho Univ.), Yasuo Nakasuji (Open Univ. of Japan), Makoto Tsukada (Toho Univ.) The structure of ordered topological semigroups on the real space $\mathbb{R}$ ····· 15

22 Shuhei Kamioka (Kyoto Univ.) Tilings of the Aztec diamonds and biorthogonal polynomials ····· 15

23 Hiro-Fumi Yamada (Okayama Univ.), Hiroshi Mizukawa (Nat. Defense Acad. of Japan) — A partition identity and the character table of the symmetric groups · · · 15

24 Akiyoshi Tsuchiya (Osaka Univ.), Akihiro Higashitani (Kyoto Univ.), Takayuki Hibi (Osaka Univ.), Koutarou Yoshida (Osaka Univ.) — Ehrhart polynomials with negative coefficients · · · 15

25 Takayuki Hibi (Osaka Univ.), Akihiro Higashitani (Kyoto Univ.) — Facets of (0,1)-polytopes with squarefree initial ideals · · · 15

26 Kazunori Matsuda (Rikkyo Univ.) *, Hidefumi Ohsugi (Kwansei Gakuin Univ.) — Reverse lexicographic Gröbner bases and strongly Koszul toric rings · · · 10

27 Tomohiro Okuma (Yamagata Univ.) *, Kei-ichi Watanabe (Nihon Univ.), Ken-ichi Yoshida (Nihon Univ.) — Good ideals and p_g-ideals for two-dimensional normal singularities · · · 10

28 Futoshi Hayasaka * (Hokkaido Univ. of Edu.) — A computation of Buchsbaum–Rim functions of two variables · · · 10

29 Tadahito Harima (Niigata Univ.) *, Junzo Watanabe (Tokai Univ.) — Completely $\mathfrak{m}$-full ideals and componentwise linear ideals · · · 10

13:20–14:20 Talk invited by Algebra Section

Masato Okado (Osaka City Univ.) — Tetrahedron equation and quantum groups

September 27th (Sat) Conference Room II

9:30–11:25

30 Yugen Takegahara (Muroran Inst. of Tech.) — 2-adic properties for the numbers of involutions in the alternating groups · · · 15

31 Yuki Kanakubo (Sophia Univ.) ♭, Toshiki Nakashima (Sophia Univ.) — Cluster variables on double Bruhat cells and monomial realizations of crystal bases · · · 15

32 Toshiyuki Abe (Ehime Univ.), Hiromichi Yamada (Hitotsubashi Univ.) — A commutant of a 4-cyclic permutation orbifold model of affine vertex operator algebra of type A_1 · · · 10

33 Kenichiro Tanabe (Hokkaido Univ.) — On modules with logarithmic terms over vertex algebras · · · 15

34 Masahide Konishi (Nagoya Univ.) — Basicalization of KLR algebras · · · 15

35 Ayako Itaba (Tokyo Univ. of Sci.), Takahiko Furuya (Meikai Univ.), Katsunori Sanada (Tokyo Univ. of Sci.) — On the decomposition of the Hochschild cohomology group of a monomial algebra satisfying a separability condition · · · 10

36 Tomohiro Itagaki (Tokyo Univ. of Sci.) — On the cyclic homology of an algebra associated with a cyclic quiver and a monic polynomial · · · 10

11:30–12:00 Research Section Assembly

14:15–15:15 Talk invited by Algebra Section

Hiroyuki Minamoto (Osaka Pref. Univ.) ♭ — Derived bi-duality and DG-completion

15:30–17:30

37 Hiroki Miyahara (Univ. of Yamanashi) — A constraction of Auslander-regular rings and its application ····· 10

38 Mitsuo Hoshino (Univ. of Tsukuba), Noritsugu Kameyama (Shinshu Univ.), Hirotaka Koga (Tokyo Denki Univ.) — Group-graded and group-bigraded rings ····· 15

39 Kazutoshi Koike (Okinawa Nat. Coll. of Tech.) — Self-duality of finite triangular extensions ····· 10

40 Hirotaka Koga (Tokyo Denki Univ.) — On standard derived equivalences ····· 15

41 Satoshi Yamanaka (Okayama Univ.) ♭ — On Morita equivalence in ring extensions ····· 10

42 Ryo Kanda (Nagoya Univ.) ♭ — Classification of categorical subspaces of locally noetherian schemes ·· 15

43 Shunsuke Tsuchioka (Univ. of Tokyo), Anton Evseev (Univ. of Birmingham) — On graded generalized Cartan invariants of the symmetric groups ···· 15

44 Taiki Shibata (Univ. of Tsukuba) — On integrals for algebraic supergroups ····· 10

September 28th (Sun) Conference Room II

9:15–12:00

45 Tomohiro Iwami * (Kyushu Sangyo Univ.) — An analogue of Clemens–Griffiths components for certain three-dimensional log pairs in the weak sense and the associated rationality criterion ··· 10

46 Jo Suzuki (Osaka Univ.) — Klein's fundamental second kind 2-form for the C_{ab} curves ····· 15

47 Yoshifumi Tsuchimoto (Kochi Univ.) — Non commutative Kähler maifolds ····· 15

48 Hiroki Ito (Nagoya Univ.) *, Hisanori Ohashi (Tokyo Univ. of Sci.) — On the classification of involutions on Enriques surfaces ····· 15

49 Yuki Yamamoto (Kanazawa Univ.) — Divisorial contractions to cDV points with discrepancy > 1 ····· 15

50 Hirokazu Nasu (Tokai Univ.) — Obstructions to deforming space curves lying on a smooth quartic surface ····· 15

51 Daizo Ishikawa (Waseda Univ.) — Weak Fano bundles of rank 2 on cubic threefolds ····· 15

52 Ryo Kawaguchi (Nara Medical Univ.) — A characterization of toric Fano threefolds ····· 15

53 Akihiro Higashitani (Kyoto Univ.) — Equivalent classes for toric Fano 5-folds and higher dimensions ····· 15

14:15–15:15 Talk invited by Algebra Section

Isamu Iwanari (Tohoku Univ.) ♭ — Tannaka duality for higher categories

Geometry

September 25th (Thu) Conference Room III

9:40–12:00

1 Hirotaka Ebisui (Oval Research Center) — About theorem in an-Desargues-system (ADE Theorem) ····· 15

2 Akitoshi Kawamura (Univ. of Tokyo), Yoshio Okamoto (Univ. of Electro-Comm.), Takeshi Tokuyama (Tohoku Univ.) — Weight balancing on boundaries and skeletons ····· 15

3 Shuzo Izumi (Kinki Univ.) — Sufficiency of simplex inequalities ····· 10

4 Shiho Ogata (Fukuoka Univ.) — Gap theorems of complete λ-hypersurfaces ····· 10

5 Makoto Sakaki (Hirosaki Univ.) * — Surfaces with mean curvature vector of constant length in product spaces ····· 10

6 Hiroshi Iriyeh (Tokyo Denki Univ.) *, Hajime Ono (Saitama Univ.) — On Hamiltonian stable Lagrangian tori which are not Hamiltonian volume minimizing ····· 15

7 Norio Ejiri (Meijo Univ.), Shoichi Fujimori (Okayama Univ.), Toshihiro Shoda (Saga Univ.) — Limits of triply periodic minimal surfaces ····· 15

8 Naoyuki Koike (Tokyo Univ. of Sci.) — A holonomy invariant anisotropic surface energy functional ····· 15

9 Norihito Koiso (Osaka Univ.) þ, Hajime Urakawa (Tohoku Univ.) — Bi-harmonic submanifold ····· 15

14:15–16:10

10 Yusuke Masatani (Nagoya Univ.) — On unbounded diameter of the space of Lagrangian submanifolds in bi-disks ····· 15

11 Mitsuhiro Imada (Keio Univ.) — On complex almost contact metric structures on complex hypersurfaces of $\mathbf{C}^{2n}$ ····· 10

12 Isami Koga (Kyushu Univ.) * — Classification of some submanifolds of the complex Grassmannian manifold ····· 10

13 Sadahiro Maeda (Saga Univ.) *, Hiroshi Tamaru (Hiroshima Univ.) — Naturally reductive homogeneous real hypersurfaces in a nonflat complex space form ····· 15

14 Kazumi Tsukada (Ochanomizu Univ.) — Totally complex submanifolds of a complex Grassmann manifold of 2-planes ····· 15

15 Hiroshi Iriyeh (Tokyo Denki Univ.), Takashi Sakai (Tokyo Metro. Univ.), Hiroyuki Tasaki (Univ. of Tsukuba) — On the structure of the intersection of quaternionic flag manifolds in a complex flag manifold ····· 10

16 Hiroyuki Tasaki (Univ. of Tsukuba) — Sequences and estimates of antipodal subsets ····· 10

17 Kazuyoshi Kiyohara (Okayama Univ.) *, Jin-ichi Itoh (Kumamoto Univ.) — The conjugate locus on ellipoid and D_4^+ Lagrangean singularity ····· 15

16:30–17:30 Talk invited by Geometry Section

Osamu Ikawa (Kyoto Inst. Tech.) * — Foundations and applications of symmetric triads

September 26th (Fri) Conference Room III

10:30–10:45 Presentation Ceremony for MSJ Geometry Prize 2014

10:50–11:50 Award Lecture for MSJ Geometry Prize 2014
—Celebrating Professor Masatake Kuranishi—

Ryushi Goto (Osaka Univ.)
Kimio Miyajima (Kagoshima Univ.*)
Kuranishi's masterpieces and their developments in deformation theory and CR-geometry

13:15–14:15 Talk invited by Geometry Section

Takumi Yokota (Kyoto Univ.) Convex functions and barycenter on CAT(1)-spaces of small radii

September 27th (Sat) Conference Room III

9:40–12:00

18 Kazuhiro Okumura (Asahikawa Nat. Coll. of Tech.) Real hypersurfaces admitting ϕ-invariant Ricci tensors in a nonflat complex space form ····· 10

19 Dounnu Sasaki (Waseda Univ.) An intersection functional on the space of subset currents on a free group ····· 15

20 Oliver Goertsches (Univ. Hamburg)
Hiraku Nozawa (Ritsumeikan Univ.)
Dirk Töben (Fed. Univ. of São Carlos)
On localization of Chern–Simons type invariants of Riemannian foliations ····· 15

21 Tomoyo Kanazawa (Tokyo Univ. of Sci.)
Akira Yoshioka (Tokyo Univ. of Sci.)
An S^1-reduction of non-formal star product ····· 10

22 Daisuke Tarama (Kyoto Univ.) Stability analysis for the free rigid body dynamics on $U(n)$ ····· 15

23 Masaya Kawamura (Tokyo Metro. Univ.) A priori estimates for the Monge–Ampère equation related to supersymmetry and Gauduchon conjecture ····· 15

24 Yasushi Homma (Waseda Univ.) Twisted Dirac operators and generalized gradients ····· 15

25 Kenta Tottori (Tohoku Univ.)* Calabi's gradient metric on the space of Kähler metrics ····· 10

26 Shin Nayatani (Nagoya Univ.) Rumin–Bochner formular for 1-forms on a CR manifold ····· 15

14:15–16:00

27 Ryosuke Takahashi (Nagoya Univ.) Modified Kähler–Ricci flow on projective bundles ····· 15

28 Homare Tadano (Osaka Univ.) A lower diameter bound for closed domain manifolds of shrinking Ricci-harmonic solitons ····· 15

29 Yohei Sakurai (Univ. of Tsukuba) Rigidity of manifolds with boundary under a lower Ricci curvature bound ····· 15

30 Tsukasa Takeuchi (Tokyo Univ. of Sci.) Integrability in the geodesic flow for the Berger mertic ····· 10

31 Yu Kitabeppu (Kyoto Univ.)
Sajjad Lakzian (HCM)
A finite generation of the fundamental groups on metric measure spaces with small linear diameter growth ····· 10

32 Junichi Mukuno (Nagoya Univ.)* On the fundamental group of a complete globally hyperbolic Lorentzian manifold with a lower bound for the curvature tensor ····· 10

33 Hideki Miyachi (Osaka Univ.)* Rigidity of a coarsification of isometries on Teichmuller space ····· 15

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

Shin-ichi Oguni (Ehime Univ.) * The coarse Baum–Connes conjecture and coarse algebraic topology

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Complex Analysis

September 25th (Thu) Conference Room I

9:00–12:00

1 Shigeyoshi Owa (Yamato Univ.) * Notes on Carathéodory functions involving Möbius transformations · · 15

2 Masanori Amano (Tokyo Tech) On the limit value of the Teichmüller distance between Jenkins–Strebel rays · · · · · 15

3 Yoshihiko Shinomiya (Waseda Univ.) On the numbers of periodic points on Veech surfaces · · · · · 15

4 Masahiro Yanagishita (Waseda Univ.) Weil–Petersson metric on square integrable Teichmüller spaces · · · · · 15

5 Hiroshige Shiga (Tokyo Tech) On rigidity and finiteness for Teichmüller curves · · · · · 15

6 Hiroshige Shiga (Tokyo Tech) Conformal invariants defined by harmonic functions on Riemann surfaces · · · · · 15

7 Hiroshige Shiga (Tokyo Tech) Deformation spaces of Kleinian groups · · · · · 10

8 Ikkei Hotta (Tokyo Tech) L^d-Loewner chains with quasiconformal extensions · · · · · 15

9 R. Michael Porter (CINVESTAV)
Hirokazu Shimauchi (Tohoku Univ.) Discrete quasiconformal maps via a linear system · · · · · 15

10 Hideki Miyachi (Osaka Univ.) * A dynamical approach to the theory of infinitesimal spaces of quasiconformal mappings · · · · · 15

11 Masakazu Shiba (Hiroshima Univ.*)
Hiroshi Yamaguchi (Shiga Univ.*) Conformal embeddings of an open Riemann surface into closed ones —Extremal property of period matrices— · · · · · 15

14:10–16:50

12 Yuuki Tadokoro (Kisarazu Nat. Coll. of Tech.) The period matrix of the hyperelliptic curve $w^2 = z^{2g+1} - 1$ · · · · · 15

13 Junghun Lee (Nagoya Univ.) J-stability of immediately expanding polynomial maps in p-adic dynamics · · · · · 15

14 Masashi Kisaka (Kyoto Univ.) Transcendental entire function of slow growth with prescribed polynomial dynamics · · · · · 15

15 Hiroyuki Inou (Kyoto Univ.)
Shizuo Nakane (Tokyo Polytechnic Univ.) An implosion arising from saddle connection in 2D complex dynamics · · · · · 15

16 Sachiko Hamano (Fukushima Univ.) Reproducing kernels for the spaces of holomorphic semiexact differentials on annuli · · · · · 15

17 Masanori Adachi (Nagoya Univ.)
Judith Brinkschulte (Univ. Leipzig) A global estimate for the Diederich–Fornaess index of weakly pseudoconvex domains · · · · · 15

18 Satoru Shimizu (Tohoku Univ.) ♭ Holomorphic equivalence problem for a class of unbounded Reinhardt domains containing the origin ····· 15

19 Hiroaki Aikawa (Hokkaido Univ.)
Tsubasa Itoh (Tokyo Tech) Averaging property of capacity ····· 15

20 Takao Ohno (Oita Univ.) *
Yoshihiro Mizuta
(Hiroshima Inst. of Tech.) Trudinger's exponential integrability for Riesz potentials of functions in generalized grand Morrey spaces ····· 15

21 Takao Ohno (Oita Univ.) *
Tetsu Shimomura (Hiroshima Univ.) Trudinger's inequality for Riesz potentials of functions in Musielak–Orlicz spaces ····· 10

17:00–18:00 Talk invited by Complex Analysis Section

Yoshihiro Mizuta
(Hiroshima Inst. of Tech.) Function spaces of variable exponent and Sobolev's theorem

September 26th (Fri) Conference Room I

9:00–10:30

22 Yukinobu Adachi * On the Julia directions of the value distribution of nondegenerate transendental holomorphic maps of $\mathbf{C}^2$ to $\mathbf{C}^2$ ····· 15

23 Yukinobu Adachi * On a high dimensional Rieman's removability theorem ····· 15

24 Yukinobu Adachi * On a high dimensional Riemann's mapping theorem ····· 10

25 Masataka Tomari (Nihon Univ.) *
Tadashi Tomaru (Gunma Univ.) On maximal ideal cycle and fundamental cycle of normal two-dimensional singularities with star-shaped resolution, and graded singurities ····· 15

26 Tatsuhiro Honda
(Hiroshima Inst. of Tech.)
Hidetaka Hamada
(Kyushu Sangyo Univ.)
Gabriela Kohr (Babeş-Bolyai Univ.) Growth and distortion theorems for pluriharmonic mappings ····· 15

27 Tatsuhiro Honda
(Hiroshima Inst. of Tech.)
Hidetaka Hamada
(Kyushu Sangyo Univ.)
Gabriela Kohr (Babeş-Bolyai Univ.)
Kwang Ho Shon (Pusan Nat. Univ.) Strongly starlike mappings in several complex variables ····· 10

13:20–14:20 Talk invited by Complex Analysis Section

Yukitaka Abe (Univ. of Toyama) * Analytic study of singular curves

Functional Equations

September 25th (Thu) Conference Room V

9:00–12:00

1 Hiroshi Ogawara (Kumamoto Univ.) Differential transcendency of a formal Laurent series satisfying a rational linear q-difference equation ····· 10

2 Junya Nishiguchi (Kyoto Univ.) Stabilization of unstable steady solutions by delayed feedback control: Approach by Lambert W function ····· 10

3 Kazuki Hiroe (Josai Univ.) Local Fourier transform and blowing up ····· 10

4 Kohei Iwaki (Kyoto Univ.) On WKB theoretic transformations for Painlevé transcendents on degenerate Stokes segments ····· 10

5 Hiroshi Yamazawa (Shibaura Inst. of Tech.) Existence of holomorphic and singular solutions of q-analogue of Briot–Bouquet type difference-differential equations ····· 10

6 Hiroshi Yamazawa (Shibaura Inst. of Tech.), Hidetoshi Tahara (Sophia Univ.) q-Analogue of summability of formal solutions of some linear q-difference-differential equations ····· 10

7 Tetsutaro Shibata (Hiroshima Univ.) * Asymptotic behavior of the bifurcation diagrams for semilinear problems with cubic-like nonlinearity ····· 10

8 Tatsuki Mori (Ryukoku Univ.), Kousuke Kuto (Univ. of Electro-Comm.), Tohru Tsujikawa (Univ. of Miyazaki), Shoji Yotsutani (Ryukoku Univ.) Global bifurcation structure of stationary solutions to a cell polarization model ····· 10

9 Takasi Yamasaki (Shimane Univ.), Jitsuro Sugie (Shimane Univ.) Smith-type criterion for the asymptotic stability based on the weighted damping ····· 10

10 Mitsuru Shibayama (Osaka Univ.) Variational proof of the existence of the super-eight solution in the four-body problem ····· 10

11 Tomoyuki Tanigawa (Kumamoto Univ.) Asymptotic behavior of positive solutions of third order Emden–Fowler differential equations ····· 10

12 Hiroyuki Usami (Gifu Univ.) * Applications of ordinary differential equations to hyperbolic equations ····· 10

13 Hiroyuki Usami (Gifu Univ.) ♭, Yutaka Kamimura (Tokyo Univ. of Marine Sci. and Tech.) Global solution of an inverse blow-up problem ····· 10

14 Shingo Takeuchi (Shibaura Inst. of Tech.) Complete p-elliptic integrals and computation of π_3 ····· 10

15 Katsuyuki Nishimoto * (Descartes Press Co.) The solutions to the Laplace's homogeneous ordinary differential equations by means of the N-fractional calculus ····· 4

14:15–16:15

16 Ichiro Tsukamoto (Toyo Univ.) * — On an asymptotic expression of a positive solution of $x'' = t^{\alpha\lambda-2}x^{1+\alpha}$ $(\alpha = \lambda_0,\ \lambda > 0)$ · · · · · 10

17 Tokinaga Namba (Univ. of Tokyo), Atsushi Nakayasu (Univ. of Tokyo), Nao Hamamuki (Waseda Univ.) — On cell problems for Hamilton–Jacobi equations with non-coercive Hamiltonians and its application to homogenization problems · · · · · 10

18 Haruya Mizutani (Osaka Univ.), Nikolay Tzvetkov (Univ. Cergy-Pontoise) — Strichartz estimates for non-elliptic Schrödinger equations · · · · · 10

19 Takuya Suzuki (Univ. of Tokyo) — Analyticity of semigroups generated by higher order elliptic operators in spaces of bounded functions on C^1 domains · · · · · 10

20 Takanobu Hara (Tokyo Metro. Univ.) — Potential estimates for elliptic equations with drift terms · · · · · 10

21 Nobuyuki Kato (Nippon Inst. of Tech.) * — Uniform Hölder continuity of approximate solutions to parabolic systems · · · · · 10

22 Tatsuki Kawakami (Osaka Pref. Univ.) *, Shigeru Sakaguchi (Tohoku Univ.) — When does the heat equation have a solution with a sequence of similar level sets? · · · · · 10

23 Takayoshi Ogawa (Tohoku Univ.) *, Senjo Shimizu (Shizuoka Univ.) — Maximal L^1-regularity for a Cauchy problem to parabolic equations · · · · · 10

24 Shuichi Jimbo (Hokkaido Univ.) * — Eigenvalues of 2nd order elliptic operators in a domain with a thin tubular hole · · · · · 10

16:30–17:30 Talk invited by Functional Equations Section

Naoki Sioji (Yokohama Nat. Univ.) — A generalized Pohozaev identity and uniqueness of positive radial solutions for an elliptic equation

September 26th (Fri) Conference Room V

9:00–12:00

25 Motohiro Sobajima (Univ. of Salento), Giorgio Metafune (Univ. of Salento), Chiara Spina (Univ. of Salento) — Weighted Calderón–Zygmund and Rellich inequalities · · · · · 10

26 Yoshifumi Mimura (Tohoku Univ.) — A priori bounds of stationary solutions of two dimensional Keller–Segel system on polygonal domains · · · · · 10

27 Norisuke Ioku (Ehime Univ.), Bernhard Ruf (Univ. di Milano), Elide Terraneo (Univ. di Milano) — Existence, non-existence, and unconditional uniqueness for a heat equation with exponential nonlinearity in $\mathbb{R}^2$ · · · · · 10

28 Shoichi Hasegawa (Tohoku Univ.) — Liouville theorem for Hénon type equation on the hyperbolic space · · · · · 10

29 Aya Ishizeki (Saitama Univ.) *, Takeyuki Nagasawa (Saitama Univ.) — Variational formulae of decomposed Möbius energy and estimates · · · · 10

30 Kousuke Kuto (Univ. of Electro-Comm.) — Limiting structure of shrinking solutions to the stationary SKT model with large cross-diffusion · · · · · 10

31 Yasuhito Miyamoto (Univ. of Tokyo) — Intersection properties of radial solutions and global bifurcation diagrams for supercritical quasilinear elliptic equations · · · · · 10

32 Mieko Tanaka (Tokyo Univ. of Sci.) *
Dumitru Motreanu (Univ. de Perpignan)
Generalized eigenvalue problem for (p, q)-Laplacian with indefinite weight 10

33 Mieko Tanaka (Tokyo Univ. of Sci.) *
Ryuji Kajikiya (Saga Univ.)
Satoshi Tanaka (Okayama Univ. of Sci.)
Bifurcation of positive solutions for the one dimensional (p, q)-Laplace equation 10

34 Daisuke Naimen (Osaka City Univ.)
On the multiple solutions of a nonlinear elliptic problem with the Dirichlet energy 10

35 Masato Hashizume (Osaka City Univ.)
A minimization problem with a sign changing condition 10

36 Yasuhiro Fujita (Univ. of Toyama) *
Log-Sobolev inequality for locally Lipschitz continuous functions 10

37 Atsushi Kosaka (Osaka City Univ.)
Yoshitsugu Kabeya (Osaka Pref. Univ.)
Tatsuki Kawakami (Osaka Pref. Univ.)
Hirokazu Ninomiya (Meiji Univ.)
Asymptotic behavior of eigenvalues to the Laplace–Beltrami operator on a spherical cap in $\mathbb{S}^N$ 10

38 Soohyun Bae (Hanbat Nat. Univ.)
Yūki Naito (Ehime Univ.)
Critical phenomena in the separation property for semilinear elliptic equations 10

39 Futoshi Takahashi (Osaka City Univ.)
Massimo Grossi (Univ. di Roma "La Sapienza")
On the location of two blow up points on an annulus for the mean field equation 10

13:15–14:15 Talk invited by Functional Equations Section

Hideo Nakazawa ♭ (Nippon Medical School)
Scattering problems for wave equations with dissipation and related topics

September 27th (Sat) Conference Room V

9:00–12:00

40 Hiroyoshi Mitake (Hiroshima Univ.) *
Hung V. Tran (Univ. of Chicago)
Analysis on the large-time behavior by the nonlinear adjoint method: obstacle problems 10

41 Hiroyoshi Mitake (Hiroshima Univ.) *
Hung V. Tran (Univ. of Chicago)
Weakly coupled systems of the infinity Laplace equations: existence, uniqueness, comparison with generalized cones 10

42 Masashi Aiki (Tokyo Univ. of Sci.)
Tatsuo Iguchi (Keio Univ.)
Motion of a vortex filament in an external flow 10

43 Okihiro Sawada (Gifu Univ.) *
On the shear flows of the Euler equations 10

44 Tsuyoshi Yoneda (Tokyo Tech)
Gerard Misiolek (Univ. of Notre Dame)
Local ill-posedness of the Euler equations in $B^1_{\infty,1}$ 10

45 Erika Ushikoshi (Tamagawa Univ.) *
Shuichi Jimbo (Hokkaido Univ.)
Hadamard variational formula for the eigenvalue of the Stokes equations with the Dirichlet boundary conditions 10

46 Ken Abe (Nagoya Univ.) *
On estimates for the Stokes flow in a space of bounded functions 10

47 Senjo Shimizu (Shizuoka Univ.)
Shintaro Yagi (Shizuoka Univ.)
On local well-posedness of incompressible two-phase flows with phase transitions 10

48 Hirokazu Saito (Waseda Univ.)
Yoshihiro Shibata (Waseda Univ.)
Global well-posedness of a free boundary problem for the Navier–Stokes equations in the L_p-L_q framework 10

49 Takayuki Kubo (Univ. of Tsukuba)
Yoshihiro Shibata (Waseda Univ.)
Maximal L_p-L_q regularity of the compressible-incompressible two phase problem, without surface tension and phase transition case ····· 10

50 Takayuki Kubo (Univ. of Tsukuba)
Yoshihiro Shibata (Waseda Univ.)
Local and global well-posedness of the compressible-incompressible two phase problem, without surface tension and phase transition case ···· 10

51 Miho Murata (Waseda Univ.)
Yoshihiro Shibata (Waseda Univ.)
On the global well-posedness for a compressible viscous fluid flow ···· 10

52 Yasunori Maekawa (Tohoku Univ.)
Large time asymptotics for two-dimensional exterior flows with small circulation at infinity ····· 10

53 Toshiaki Hishida (Nagoya Univ.) ♭
Maria Schonbek (Univ. California, Santa Cruz)
Stability of time-dependent Navier–Stokes flow and algebraic energy decay ····· 10

14:15–16:15

54 Itsuko Hashimoto (Toyama Nat. Coll. of Tech.)
Asymptotic stability of rarefaction wave of radially symmetric solutions for Burgers equation in several space dimensions ····· 10

55 Shouta Enomoto (Kyushu Univ.)
Yoshiyuki Kagei (Kyushu Univ.)
On linearized stability of stationary solutions to the compressible Navier–Stokes equation in a periodic layer ····· 10

56 Naofumi Mori (Kyushu Univ.)
Shuichi Kawashima (Kyushu Univ.)
Decay property for the Timoshenko system with thermal effects: Cattaneo versus Fourier's law ····· 10

57 Naofumi Mori (Kyushu Univ.)
Global existence and energy decay of solutions of the nonlinear Timoshenko system with memory ····· 10

58 Kentarou Fujie (Tokyo Univ. of Sci.)
Michael Winkler (Univ. Paderborn)
Tomomi Yokota (Tokyo Univ. of Sci.)
Blow-up prevention by logistic sources in a parabolic-elliptic Keller–Segel system with singular sensitivity ····· 10

59 Kentarou Fujie (Tokyo Univ. of Sci.)
Boundedness in a fully parabolic chemotaxis system with singular sensitivity ····· 10

60 Sachiko Ishida (Tokyo Univ. of Sci.)
Global existence for a 2D quasilinear chemotaxis-Navier–Stokes system with rotation ····· 10

61 Masanari Miura (Kyushu Univ.)
Yoshie Sugiyama (Kyushu Univ.)
On uniqueness theorem on weak solutions to the parabolic-parabolic Keller–Segel system of degenerate and singular types ····· 10

62 Noriko Mizoguchi (Tokyo Gakugei Univ.)
A new proof to finite-time blowup in the parabolic-parabolic Keller–Segel system ····· 10

63 Noriko Mizoguchi (Tokyo Gakugei Univ.)
Philippe Laurençot (Univ. de Toulouse / CNRS)
Finite-time blowup for the parabolic-parabolic Keller–Segel system with critical diffusion ····· 10

16:30–17:30 Talk invited by Functional Equations Section

Kotaro Tsugawa (Nagoya Univ.) Local well-posedness for fifth-order nonlinear dispersive equations

September 28th (Sun) Conference Room V

9:00–12:00

64 Takashi Kagaya (Hokkaido Univ.)
A local existence on a free boundary problem for quasilinear parabolic equation ····· 10

65 Kurumi Hiruko (Tohoku Univ.) — A dynamical aspect of hybrid system describing intermittent androgen suppression therapy of prostate cancer · · · · · 10

66 Motohiro Sobajima (Univ. of Salento), Noboru Okazawa (Tokyo Univ. of Sci.), Tomomi Yokota (Tokyo Univ. of Sci.) — Existence of solutions to heat equations with singular lower order terms · · · · · 10

67 Junichi Harada (Akita Univ.) * — Blow-up set for a parabolic system equation · · · · · 8

68 Tomoro Asai (Univ. of Tokyo) *, Yoshikazu Giga (Univ. of Tokyo) — On self-similar solutions to the surface diffusion flow equations with contact angle boundary conditions · · · · · 10

69 Masashi Mizuno (Nihon Univ.) *, Yoshihiro Tonegawa (Hokkaido Univ.) — A singular limit problem of the Allen–Cahn equation with Neumann boundary conditions · · · · · 10

70 Keisuke Matsuya (Univ. of Tokyo) ♭, Tetsuji Tokihiro (Univ. of Tokyo) — Existence of blow-up solutions for a discrete semilinear heat equation · · · · · 10

71 Hiroshi Matsuzawa * (Numazu Nat. Coll. of Tech.), Yihong Du (Univ. of New England), Maolin Zhou (Univ. of Tokyo) — Spreading speed and sharp asymptotic profiles of solutions in free boundary problems for nonlinear diffusion equations · · · · · 10

72 Jin Takahashi (Tokyo Tech), Eiji Yanagida (Tokyo Tech) — Solutions with time-dependent singularities for a semilinear heat equation with absorption · · · · · 10

73 Masakazu Yamamoto (Hirosaki Univ.), Yuusuke Sugiyama (Tokyo Univ. of Sci.), Keiichi Kato (Tokyo Univ. of Sci.) — Asymptotic expansion of solutions to the drift-diffusion equation with critical dissipation · · · · · 10

74 Kazushige Nakagawa * (Fukushima Univ.), Takayoshi Ogawa (Tohoku Univ.), Atsushi Kimijima (Tohoku Univ.) — Global behavior of solutions to degenerate drift diffusion system in between two critical exponents · · · · · 10

75 Masaki Kurokiba ♭ (Muroran Inst. of Tech.) — Two dimensional drift-diffusion system in a critical weighted space · · · 10

76 Masaharu Taniguchi (Okayama Univ.) — Convex compact sets in $\mathbb{R}^{N-1}$ give traveling fronts of cooperation-diffusion systems in $\mathbb{R}^N$ · · · · · 10

77 Takashi Suzuki (Osaka Univ.) ♭ — Compactness of 2D normalized Ricci flow orbit —an analytic proof of Hamilton's theorem— · · · · · 10

14:15–16:15

78 Mamoru Okamoto (Shinshu Univ.), Shuji Machihara (Saitama Univ.) — Remarks on ill-posedness of the Cauchy problem for the Chern–Simons–Dirac system in one dimension · · · · · 10

79 Nobu Kishimoto (Kyoto Univ.) — Normal form reduction for the unconditional uniqueness of periodic nonlinear dispersive equations · · · · · 10

80 Hironobu Sasaki (Chiba Univ.) * — Remark on the scattering operator for the cubic nonlinear Dirac equation in three space dimensions · · · · · 10

81 Takahisa Inui (Kyoto Univ.), Masahiro Ikeda (Kyoto Univ.) — Remark on the lifespan of solutions and non-existence of local solution for a nonlinear Schrödinger equation · · · · · 10

82 Kota Uriya (Tohoku Univ.) * — Final state problem for a system of nonlinear Schrödinger equations with three wave interaction · · · · · 10

83 Makoto Nakamura (Yamagata Univ.) * On the Cauchy problem for nonlinear Schrödinger equations in de Sitter spacetime 10

84 Yuta Wakasugi (Osaka Univ.) * Kenji Nishihara (Waseda Univ.) Critical exponent for the Cauchy problem to the weakly coupled damped wave system 10

85 Hironari Miyoshi (Waseda Univ.) Masayoshi Tsutsumi (Waseda Univ.) Convergence of hydrodynamical limits for generalized Carleman models 10

86 Kyouhei Wakasa (Hokkaido Univ.) * The lifespan of solutions to nonlinear wave equations with weighted functions in 1D 10

87 Koichi Taniguchi (Chuo Univ.) * Tsukasa Iwabuchi (Chuo Univ.) Tokio Matsuyama (Chuo Univ.) Scattering problem for semilinear wave equation with a potential in an exterior domain 10

16:30–17:30 Talk invited by Functional Equations Section

Shinya Okabe (Tohoku Univ.) ♭ A fourth order parabolic obstacle problem

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Real Analysis

September 27th (Sat) Conference Room I

9:00–11:45

1 Toshikazu Watanabe (Nihon Univ.) Masashi Toyoda (Tamagawa Univ.) On fixed point theorems for generalized contractive type mappings in partially ordered sets 15

2 Yasunori Kimura (Toho Univ.) Approximation of a common fixed point of mappings on a complete geodesic space 15

3 Shin-ya Matsushita (Akita Pref. Univ.) Li Xu (Akita Pref. Univ.) On Douglas–Rachford method 15

4 Sachiko Atsushiba (Univ. of Yamanashi) Convergence theorems for nonlinear mappings by Halpern's type iterations 15

5 Mikio Kato (Kyushu Inst. of Tech.⋆) Takayuki Tamura (Chiba Univ.) On the uniform non-ℓ_1^n-ness of direct sums of Banach spaces 15

6 Kiyohisa Tokunaga (Fukuoka Inst. of Tech.) Proof of integral by parts based on the definition of Riemann integral 15

7 Jun Kawabe (Shinshu Univ.) Bounded convergence theorem for distribution-based nonlinear integral functionals 15

8 Shinya Moritoh (Nara Women's Univ.) Ostrowski's inequality and its discretization 10

9 Yoshifumi Ito (Univ. of Tokushima⋆) ♭ Laws of natural statistical physics 15

10 Yoshifumi Ito (Univ. of Tokushima⋆) Concept of natural probability 15

12:10–12:30 Presentation Ceremony for MSJ Analysis Prizes 2014

14:15–16:20

11 Hiroki Saito (Saitama Univ.) Kakeya maximal operator (no dilation) with radial weights on the plane ····· 15

12 Takeshi Iida (Fukushima Nat. Coll. of Tech.) Weighted estimates of higher order commutators generated by BMO-functions and the fractional integral operator on Morrey spaces ····· 15

13 Satoko Sugano * (Kobe City Coll. of Tech.) On a Calderón–Zygmund operator of higher order Schrödinger type ····· 15

14 Katsuo Matsuoka (Nihon Univ.) On the generalization of fractional integrals and λ-CMO spaces ····· 10

15 Yoshihiro Sawano (Tokyo Metro. Univ.) ♭ Takeshi Iida (Fukushima Nat. Coll. of Tech.) Hitoshi Tanaka (Univ. of Tokyo) Atomic decomposition for Morrey spaces ····· 15

16 Yoshihiro Sawano (Tokyo Metro. Univ.) ♭ Mitsuo Izuki (Okayama Univ.) Eiichi Nakai (Ibaraki Univ.) Wavelet characterization and modular inequalities for weighted Lebesgue spaces with variable exponent ····· 15

17 Fumi-Yuki Maeda (Hiroshima Univ.*) * Yoshihiro Mizuta (Hiroshima Inst. of Tech.) Takao Ohno (Oita Univ.) Tetsu Shimomura (Hiroshima Univ.) Sobolev and Trudinger type inequalities for potentials of functions in grand Musielak–Orlicz–Morrey spaces ····· 15

18 Fumi-Yuki Maeda (Hiroshima Univ.*) * Yoshihiro Mizuta (Hiroshima Inst. of Tech.) Tetsu Shimomura (Hiroshima Univ.) Growth properties of Musielak–Orlicz integral means for Riesz potentials ····· 15

16:40–17:40 Talk invited by Real Analysis Section

Kenichi Mitani (Okayama Pref. Univ.) On geometrical constants of Banach spaces

September 28th (Sun) Conference Room I

9:00–11:50

19 Akio Ito (Kinki Univ.) Nobuyuki Kenmochi (Bukkyo Univ.) Yusuke Murase (Meijo Univ.) Optimal control problems for mathematical model for the process of brewing Japanese Sake with unknown terminal time ····· 15

20 Kentarou Fujie (Tokyo Univ. of Sci.) Akio Ito (Kinki Univ.) Michael Winkler (Univ. Paderborn) Tomomi Yokota (Tokyo Univ. of Sci.) Global existence and asymptotic behavior of solutions to a model for tumor invasion ····· 15

21 Tomomi Yokota (Tokyo Univ. of Sci.) Noriaki Yoshino (Tokyo Univ. of Sci.) Operator-theoretic approach to a quasilinear nondegenerate parabolic-elliptic Keller–Segel system with growth term ····· 15

22 Shoji Shimizu (Waseda Univ.) Mitsuharu Ôtani (Waseda Univ.) The solvability of complex Ginzburg–Landau equation focusing on parabolicity ····· 15

23 Shun Uchida (Waseda Univ.) Mitsuharu Ôtani (Waseda Univ.) Global attractor of some autonomous double-diffusive convection system ····· 15

24 Yutaka Tsuzuki (Tokyo Univ. of Sci.) — Solvability of heat equations with hysteresis coupled with Navier–Stokes equations in 2D domains ····· 15

25 Goro Akagi (Kobe Univ.), Giulio Schimperna (Univ. di Pavia) — Doubly nonlinear evolution equations in variable exponent Lebesgue spaces ····· 15

26 Toshitaka Matsumoto (Hiroshima Univ.), Naoki Tanaka (Shizuoka Univ.) — Abstract Cauchy problem for weakly continuous operators ····· 15

27 Dai Noboriguchi (Waseda Univ.), Kazuo Kobayasi (Waseda Univ.) — An existence theorem for a nonhomogeneous Dirichlet problem for a stochastic scalar conservation law ····· 15

28 Motohiro Sobajima (Univ. of Salento) — L^p-theory for second-order elliptic operators with unbounded coefficients in an endpoint class ····· 15

14:15–15:40

29 Hiroshi Watanabe (Salesian Polytech.), Ken Shirakawa (Chiba Univ.) — Large time behavior for mathematical models of grain boundary motions involving isothermal solidifications ····· 15

30 Ken Shirakawa (Chiba Univ.), Hiroshi Watanabe (Salesian Polytech.) — Energy-dissipative solutions to models of grain boundary motions under isothermal solidifications ····· 15

31 Noriaki Yamazaki (Kanagawa Univ.), Takeshi Fukao (Kyoto Univ. of Edu.), Mohammad Hassan Farshbaf-Shaker (WIAS) — Singular limit of Allen–Cahn equation with constraints and its Lagrange multiplier ····· 15

32 Takeshi Fukao (Kyoto Univ. of Edu.), Pierluigi Colli (Univ. di Pavia) — Cahn–Hilliard equation with dynamic boundary conditions and mass constraints on the boundary ····· 15

33 Toyohiko Aiki (Japan Women's Univ.), Yusuke Murase (Meijo Univ.) — Large time behavior of a solution to the free boundary problem describing adsorption phenomena ····· 15

16:00–17:00 Talk invited by Real Analysis Section

Kentarou Yoshii (Tokyo Univ. of Sci.) — On the hyperbolic type linear evolution equations

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Functional Analysis

September 25th (Thu) Conference Room IV

14:15–16:35

1 Hiroaki Niikuni * (Maebashi Inst. of Tech.) — Spectral band structure of periodic Schrödinger operators on generalized degenerate zigzag nanotubes ····· 15

2 Hironobu Sasaki (Chiba Univ.), Shoji Shimizu (Tokyo Tech), Akito Suzuki (Shinshu Univ.) — Spectral analysis for mean-field Schrödinger opearators ····· 10

3 Shougo Ito (Shinshu Univ.), Akito Suzuki (Shinshu Univ.) — The spectrum of a discrete Schrödinger operator with a non-decaying potential ····· 15

4 Hiroshi Ito (Ehime Univ.) The nonrelativistic limit for Dirac operators with a potential diverging at infinity ····· 15

5 Mitsuteru Kadowaki (Ehime Univ.), Hiroshi Isozaki (Univ. of Tsukuba), Michiyuki Watanabe (Niigata Univ.) Asymptotic behavior in far field of the resolvent for wave propagation in two-layered media ····· 15

6 Shinichiro Futakuchi (Hokkaido Univ.), Kouta Usui (Hokkaido Univ.) Time-ordered exponential on the complex plane for unbounded operators and Gell-Mann–Low formula ····· 10

7 Daiju Funakawa (Hokkaido Univ.) Existence of ground states for a Wess–Zumino model ····· 10

8 Takahiro Hasebe (Hokkaido Univ.), Franz Lehner (Graz Univ. of Tech.) Cumulants for free Lie algebras and Campbell–Hausdorff formula ···· 15

9 Kenjiro Yanagi (Yamaguchi Univ.) Uncertainty relations for non-hermitian type ····· 15

17:00–18:00 Talk invited by Functional Analysis Section

Tetsu Mizumachi (Kyushu Univ.) Stability of line solitons for the KP-II equation

September 26th (Fri) Conference Room IV

10:00–11:50

10 Ryo Tabata (Hiroshima Univ.) The behavior of $n \times n$ Immanants as $n \to \infty$ ····· 15

11 Hideto Nakashima (Kyushu Univ.) Explicit formula of the basic relative invariants of homogeneous cones ····· 15

12 Toshihiko Matsuki (Ryukoku Univ.) Classification of orthogonal multiple flag varieties of finite type ····· 15

13 Toshihiko Matsuki (Ryukoku Univ.) Orbits on orthogonal triple flag varieties ····· 15

14 Atsumu Sasaki (Tokai Univ.) A Cartan decomposition for Cayley type homogeneous spaces ····· 15

15 Hideyuki Ishi (Nagoya Univ.) * Siegel type integral on a regular convex cone ····· 15

13:10–14:10 Talk invited by Functional Analysis Section

Hiroshi Oda (Takushoku Univ.) Connections between representation theories for real reductive Lie groups and graded Hecke algebras

September 27th (Sat) Conference Room IV

9:00–12:00

16 Hiromichi Miyake On compactness in L^1 ····· 15

17 Kazuyuki Wada (Hokkaido Univ.) Existence of a ground state for a self-interaction model of a complex scalar field with spacial cut-off ····· 15

18 Kei Ji Izuchi (Niigata Univ.) *, Shûichi Ohno (Nippon Inst. of Tech.) Topological structure of the space of weighted composition operators between different Hardy spaces ····· 15

19 Shûichi Ohno (Nippon Inst. of Tech.) * Composition operators related to the Dirichlet space ····· 10

20 Kouhei Izuchi (Yamaguchi Univ.) Ranks of backward shift invariant subspaces of Hardy space over the bidisk ····· 15

21 Yasuyuki Oka (Kushiro Nat. Coll. of Tech.) — A characterization of the tempered distributions supported by a regular closed set on the Heisenberg group ····· 15

22 Shigeru Furuichi (Nihon Univ.) — On bounds for relative operator entropies ····· 10

23 Junichi Fujii (Osaka Kyoiku Univ.) — On basic operator entropies ····· 15

24 Yuki Seo (Osaka Kyoiku Univ.) — Matrix power means due to Lawson–Lim–Pálfia for $1 < t < 2$ ····· 10

25 Hiroaki Tohyama (Maebashi Inst. of Tech.)
Hiroshi Isa (Maebashi Inst. of Tech.)
Masatoshi Ito (Maebashi Inst. of Tech.)
Eizaburo Kamei
Masayuki Watanabe (Maebashi Inst. of Tech.)
— Operator valued α-divergence and noncommutative ratio ····· 15

26 Masaru Nagisa (Chiba Univ.)
Albania Nugraha Imam (Chiba Univ.)
— Characterization of diagonality of operators ····· 10

14:15–16:45

27 Kengo Matsumoto * (Joetsu Univ. of Edu.)
Hiroki Matui (Chiba Univ.)
— Continuous orbit equivalence of topological Markov shifts and dynamical zeta functions ····· 15

28 Yasushi Nagai (Keio Univ.) — Distribution of patches in tilings and properties of spectrum of the corresponding dynamical systems ····· 15

29 Takuya Takeishi (Univ. of Tokyo) ♭ — Bost–Connes system for local fields of characteristic zero ····· 15

30 Yuhei Suzuki (Univ. of Tokyo) — Amenable minimal Cantor systems of free groups arising from diagonal actions ····· 15

31 Hiroyuki Osaka (Ritsumeikan Univ.)
Tamotsu Teruya (Gunma Univ.)
— The Jiang–Su absorption for inclusions of unital C*-algebras ····· 15

32 Yasuo Watatani (Kyushu Univ.)
Tsuyoshi Kajiwara (Okayama Univ.)
— Maximal abelian subalgebras of C^*-algebras generated by complex dynamical systems and continuous orbit equivalence ····· 15

33 Yasuo Watatani (Kyushu Univ.)
Masatoshi Enomoto
— Relative position of three subspaces in a Hilbert space and Brenner type decomposition ····· 15

34 Rui Okayasu (Osaka Kyoiku Univ.)
Reiji Tomatsu (Hokkaido Univ.)
— Haagerup approximation property and positive cones associated with a von Neumann algebra ····· 15

17:00–18:00 Talk invited by Functional Analysis Section

Yasuhiko Sato (Kyoto Univ.) ♭ — Classification theorem of C*-algebras and the Toms–Winter conjecture

Statistics and Probability

September 25th (Thu) Conference Room VII

9:30–11:50

1 Takahiro Hasebe (Hokkaido Univ.)
Steen Thorbjørnsen (Univ. of Aarhus)
Unimodality of freely selfdecomposable distributions · · · · · 15

2 Isamu Dôku (Saitama Univ.)
Construction of probabilistic solutions to a class of deterministic integral equations · · · · · 15

3 Keita Owari (Univ. of Tokyo)
On the Lebesgue property of monotone convex functions on Orlicz-like spaces · · · · · 15

4 Go Yuki
(Ritsumeikan Univ. / JST CREST)
Consistency of the positive semi-definite Fourier type estimators · · · · · 10

5 Shigeyoshi Ogawa (Ritsumeikan Univ.)
A direct inversion formula for natural SFT · · · · · 10

6 Hiroya Hashimoto * (Sanwa Kagaku Kenkyusho Co.)
Takahiro Tsuchiya (Univ. of Aizu)
A note on convergence rates for stability problems of SDEs under Nakao–Le Gall condition · · · · · 15

7 Hideki Tanemura (Chiba Univ.)
Hirofumi Osada (Kyushu Univ.)
Infinite-dimensional stochastic differential equations arising from Airy random point fields · · · · · 10

8 Hideki Tanemura (Chiba Univ.)
Hirofumi Osada (Kyushu Univ.)
Strong solutions of infinite-dimensional stochastic differential equations and tail σ-fields · · · · · 10

9 Takafumi Amaba (Ritsumeikan Univ.)
An integration by parts on space of loops · · · · · 10

10 Kouji Yano (Kyoto Univ.)
Yuko Yano (Kyoto Sangyo Univ.)
Renormalized zero resolvents for one-dimensional diffusions · · · · · 15

14:15–15:15 Talk invited by Statistics and Probability Section

Atsushi Takeuchi (Osaka City Univ.)
Integration by parts formula for jump processes

15:30–16:30 Talk invited by Statistics and Probability Section

Hiroki Takahashi (Keio Univ.) *
On the destruction of Smale's horseshoe in the Henon map (and what comes afterwards)

September 26th (Fri) Conference Room VII

9:30–11:30

11 Masahiro Kobayashi (Tokyo Univ. of Sci.)
Hiroshi Shimizu (Nihon Unisys)
Masakiyo Miyazawa (Tokyo Univ. of Sci.)
Structure-reversibility of a two dimensional reflecting random walk · · · 15

12 Izumi Okada (Tokyo Tech)
The inner boundary of random walk range · · · · · 15

13 Naotaka Kajino (Kobe Univ.)
Janna Lierl (Univ. Illinois UC)
Neumann heat kernel estimates on inner uniform domains in point-recurrent strongly local symmetric Dirichlet spaces · · · · · 15

14 Christoph Aistleitner * (Graz Univ. of Tech.), Katusi Fukuyama (Kobe Univ.) — The law of the iterated logarithm for lacunary series with bounded gaps II ····· 5

15 Masato Takei (Yokohama Nat. Univ.) — On crossing probabilities for Ising percolation on the triangular lattice ····· 10

16 Seiichiro Kusuoka (Tohoku Univ.), Hiroshi Takahashi (Nihon Univ.), Yozo Tamura (Keio Univ.) — Recurrence and transience properties of multi-dimensional diffusion processes in semi-selfsimilar random environments ····· 15

17 Makoto Nakashima (Univ. of Tsukuba) — On the estimates of the free energy of directed polymers in random environment in 1+2 dimension at high temperature ····· 15

18 Takeyuki Sasai (Univ. of Tokyo), Kenshi Miyabe (Meiji Univ.), Akimichi Takemura (Univ. of Tokyo) — A game-theoretic proof of Erdős–Feller–Kolmogorov–Petrowsky law of the iterated logarithm for fair coin tossing ····· 15

11:45–12:15 Research Section Assembly

September 27th (Sat) Conference Room VII

9:30–12:00

19 Satoshi Suzuki (Shimane Univ.), Daishi Kuroiwa (Shimane Univ.) — Surrogate duality and its constraint qualifications ····· 15

20 Toshiharu Fujita (Kyushu Inst. of Tech.) — Mutually dependent Markov decision processes with associative criteria ····· 10

21 Yoshihiro Suto (Waseda Univ.), Yan Liu (Waseda Univ.), Masanobu Taniguchi (Waseda Univ.) — Parameter estimation by a contrast function based on interpolation error ····· 15

22 Fumiya Akashi (Waseda Univ.) — On the second-order asymptotic efficiency of frequency domain GMM estimators ····· 15

23 Yan Liu (Waseda Univ.) — Quantile estimation in frequency domain ····· 15

24 Koji Tsukuda (Grad. Univ. for Adv. Stud.), Yoichi Nishiyama (Inst. of Stat. Math./Grad. Univ. for Adv. Stud.) — Testing the time-homogeneity of ergodic stochastic processes by an L^2 space approach ····· 15

25 Yoshihide Kakizawa (Hokkaido Univ.) — Bootstrap-based Bartlett-type adjustment ····· 15

26 Yoshihiko Maesono (Kyushu Univ.) — Higher order asymptotic representation of kernel estimator of hazard function ····· 10

27 Hirokazu Yanagihara (Hiroshima Univ.) — On asymptotically KL loss efficiency of a log-likelihood-based information criterion in high-dimensional normal multivariate linear regression models ····· 15

28 Takanori Ayano (Osaka Univ.), Joe Suzuki (Osaka Univ.) — Asymptotic property of MDL information criterion for continuous data ····· 10

14:15–15:15 Talk invited by Statistics and Probability Section

Hironori Fujisawa (Inst. of Stat. Math.) — Divergence-based robust statistics

15:30–16:30 Talk invited by Statistics and Probability Section

Yoichi Miyata (Takasaki City Univ. of Econ.) — On asymptotic properties of Bayesian type estimators

September 28th (Sun) Conference Room VII

9:30–11:20

29 Hidekazu Tanaka (Osaka Pref. Univ.), Nabendu Pal (Univ. Louisiana at Lafayette), Wooi K. Lim (William Paterson Univ.) — Some results on gamma parameter estimation ····· 15

30 Kiyotaka Iki (Tokyo Univ. of Sci.), Sadao Tomizawa (Tokyo Univ. of Sci.) — Point-symmetric multivariate density function and decomposition ···· 10

31 Makoto Inokuchi (Hiroshima Univ.), Hirokazu Yanagihara (Hiroshima Univ.) — Asymptotical comparison with LSE and MLE of coefficient matrices in high-dimensional GMANOVA model ····· 15

32 Aki Ishii (Univ. of Tsukuba), Kazuyoshi Yata (Univ. of Tsukuba), Makoto Aoshima (Univ. of Tsukuba) — Equality test of covariance matrices in high-dimension, low-sample-size context ····· 15

33 Ayaka Yagi (Tokyo Univ. of Sci.), Takashi Seo (Tokyo Univ. of Sci.) — A test for the mean vector with k-step monotone missing data ····· 15

34 Kazuyoshi Yata (Univ. of Tsukuba), Makoto Aoshima (Univ. of Tsukuba) — High-dimensional PCA for a mixture model and its applications ····· 15

35 Masato Naganawa (Tokyo Univ. of Sci.), Kouji Tahata (Tokyo Univ. of Sci.), Sadao Tomizawa (Tokyo Univ. of Sci.) — Extended linear asymmetry model for square contingency tables with ordered categories ····· 10

14:15–16:10

36 Masanori Sawa (Kobe Univ.) — Developing the theory of designs on measure spaces, I ····· 15

37 Masatake Hirao (Aichi Pref. Univ.), Masanori Sawa (Kobe Univ.) — Characterizing optimum designs in terms of finite irreducible reflection groups, II ····· 10

38 Kohei Yamada (Nagoya Univ.) — Some results related to a remark of Graham and Lovász ····· 10

39 Shoko Chisaki (Tokyo Univ. of Sci.), Nobuko Miyamoto (Tokyo Univ. of Sci.) — Difference systems of sets with size 2 ····· 10

40 Xiao-Nan Lu (Nagoya Univ.), Masakazu Jimbo (Nagoya Univ.) — Affine-invariant strictly cyclic Steiner quadruple systems and related hypergraphs ····· 15

41 Yoshifumi Hyodo (Okayama Univ. of Sci./Int. Inst. for Nat. Sci.), Masahide Kuwada (Int. Inst. for Nat. Sci.), Hiromu Yumiba (Int. Inst. for Nat. Sci.) — Existence conditions for balanced fractional 2^m factorial designs of resolution $\mathrm{R}^*(\{1\}|\Omega_\ell)$ with $N<\nu_\ell(m)$ ····· 15

42 Kazuki Matsubara (Hiroshima Univ.), Sanpei Kageyama (Hiroshima Inst. of Tech.) — An asymptotic existence of pairwise additive minimal BIB designs ··· 15

43 Sanpei Kageyama * (Hiroshima Inst. of Tech.) An affine α-resolvable triangular design is not of simple type ····· 10

Applied Mathematics

September 25th (Thu) Conference Room VIII

9:30–11:30

1 Hiroshi Nozaki (Aichi Univ. of Edu.) Linear programming bounds for regular graphs ····· 15

2 Toshiaki Adachi (Nagoya Inst. of Tech.) * Tuerxunmaimaiti Yaermaimaiti (Nagoya Inst. of Tech.) Kähler graphs ····· 10

3 Toshiaki Adachi (Nagoya Inst. of Tech.) * Tuerxunmaimaiti Yaermaimaiti (Nagoya Inst. of Tech.) (1,1)-Laplacians for Kähler graphs ····· 10

4 Iwao Sato (Oyama Nat. Coll. of Tech.) Norio Konno (Yokohama Nat. Univ.) Yusuke Higuchi (Showa Univ.) Etsuo Segawa (Tohoku Univ.) A zeta function with respect to the transition matrix of a discrete-time quantum walk on a graph ····· 15

5 Yuusuke Suzuki (Niigata Univ.) Kenta Noguchi (Keio Univ.) Extension to triangulations with some properties from quadrangulations ····· 15

6 Ginji Hamano (Tokyo Denki Univ.) Takayuki Hibi (Osaka Univ.) Hidefumi Ohsugi (Kwansei Gakuin Univ.) Existence of a regular unimodular triangulation of the edge polytopes of finite graphs ····· 15

7 Yusuke Suyama (Osaka City Univ.) Numbering of vertices of simplicial 2-spheres ····· 10

8 Kenta Ozeki (Nat. Inst. of Information / JST ERATO) Dong Ye (Middle Tennessee State Univ.) A decomposition of cubic graphs ····· 15

14:15–17:00

9 Kazuhiko Ushio (Kinki Univ.) Balanced C_5-foil designs and related designs ····· 15

10 Jun Fujisawa (Keio Univ.) Hiroki Seno (Yokohama Nat. Univ.) Matching extension in projective planar graphs ····· 15

11 Kiyoshi Yoshimoto (Nihon Univ.) Ralph J. Faudree (Univ. of Memphis) Hao Li (Univ. de Paris Sud) Locating sets of vertices on Hamiltonian cycles ····· 15

12 Akira Saito (Nihon Univ.) Kazuki Sano (Nihon Univ.) Spanning trees homeomorphic to a small tree ····· 15

13 Kiyoshi Ando (Nat. Inst. of Information / JST ERATO) A degree sum and forbidden subgraph condition for k-contractible edges ····· 10

14 Atsuhiko Mizusawa (Waseda Univ.)
Diogo Kendy Matsumoto (Waseda Univ.)
A construction of smooth travel groupoids on finite graphs 15

15 Shinya Fujita (Yokohama City Univ.)
Michitaka Furuya (Tokyo Univ. of Sci.)
András Gyárfás (A. Rényi Inst. of Math.)
Ágnes Tóth (A. Rényi Inst. of Math.)
A note on covering edge colored hypergraphs by monochromatic components 10

16 Takahiro Matsushita (Univ. of Tokyo)
On the topology of neighborhood complexes and the chromatic numbers of graphs 15

17 Katsuhiko Kuribayashi (Shinshu Univ.)
On the strong homotopy for quasi-schemoids 15

18 Sho Suda (Aichi Univ. of Edu.)
Michio Seto (Shimane Univ.)
Tetsuji Taniguchi (Matsue Coll. of Tech.)
Gram matrices of reproducing kernel Hilbert spaces over graphs I 10

19 Michio Seto (Shimane Univ.) *
Sho Suda (Aichi Univ. of Edu.)
Tetsuji Taniguchi (Matsue Coll. of Tech.)
Gram matrices of reproducing kernel Hilbert spaces over graphs II ... 10

September 26th (Fri) Conference Room VIII

9:30–11:30

20 Ryuichi Ohori (Univ. of Tokyo)
Takehito Yoshiki (Univ. of Tokyo)
Walsh figure of merit is efficiently approximable 10

21 Kosuke Suzuki (Univ. of Tokyo)
Takehito Yoshiki (Univ. of Tokyo)
On the decay of the Walsh coefficients of smooth functions 15

22 Takehito Yoshiki (Univ. of Tokyo)
Takashi Goda (Univ. of Tokyo)
Ryuichi Ohori (Univ. of Tokyo)
Kosuke Suzuki (Univ. of Tokyo)
The mean square quasi-Monte Carlo error for digitally shifted point sets 15

23 Shin Harase (Tokyo Tech)
Projections of Sobol' sequences 15

24 Toshiaki Murofushi (Tokyo Tech)
Takafumi Horio (Tokyo Tech)
A computational approach for testing additive decomposability of monotone, supermodular set functions 15

25 Minoru Fujimoto (Seika Science Lab.)
Kunihiko Uehara (Tezukayama Univ.)
NP Complete problem by quadratic residue problem 15

26 Takuya Ikuta (Kobe Gakuin Univ.)
Complex Hadamard matrices attached to some association schemes .. 15

13:00–14:00 Talk invited by Applied Mathematics Section

Etsuo Segawa (Tohoku Univ.)
Spectral mapping of quantum walks

September 27th (Sat) Conference Room VIII

9:30–11:55 Special Session "Moving boundary problems and its numerical and mathematical analysis"

Tetsuya Ishiwata (Shibaura Inst. of Tech.) Motion of polygonal curves by crystalline curvature flow 45

Masato Kimura (Kanazawa Univ.) Generalization of crystalline motion 45

Masahisa Tabata (Waseda Univ.) Numerical analysis of multiphase flows 45

14:15–16:30

27 Shingo Iwami (Kyushu Univ.) Quantitative analysis of virus infection dynamics with distributed delay differential equations 15

28 Toshikazu Kuniya (Kobe Univ.) Analysis of an age-structured SIS epidemic model with spatial diffusion 15

29 Yasuaki Hiraoka (Kyushu Univ.), Emerson G. Escolar (Kyushu Univ.) Persistence modules on commutative ladder quivers 15

30 Emerson Gaw Escolar (Kyushu Univ.), Yasuaki Hiraoka (Kyushu Univ.) Computing persistence modules on commutative ladders of finite type 15

31 Genki Kusano (Kyushu Univ.), Yasuaki Hiraoka (Kyushu Univ.) An application of persistent homology to a coverage problem in sensor networks 15

32 Satoru Takagi (Kogakuin Univ.), Hiroaki Uesu (Waseda Univ.) An analysis of students' needs for undergraduate mathematics lectures applying the Kano model 15

33 Kazuaki Nakane (Osaka Univ.) Image analysing method via homology —for cancer area detection— 15

34 Kazuaki Nakane (Osaka Univ.) Image analysing method via homology II —for general structures— 15

16:45–17:45 Talk invited by Applied Mathematics Section

Yoshihito Oshita (Okayama Univ.) Motion of droplets driven by curvature and potential

September 28th (Sun) Conference Room VIII

9:30–11:50

35 Shunzi Horiguchi (Niigata Sangyo Univ.) The conditional expressions III which compare convergences of Ttsuchikura–Horiguchi method (the first extended recurrence formula of Yoshimasu Murase–Newton's type) 10

36 Shunzi Horiguchi (Niigata Sangyo Univ.) The numerical computations of the conditional expressions III which compare convergences of Ttsuchikura–Horiguchi method (the first extended recurrence formula of Yoshimasu Murase–Newton's type) 10

37 Issei Oikawa (Waseda Univ.) A hybridized discontinuous Galerkin method with reduced stabilization 15

38 Shinya Uchiumi (Waseda Univ.), Masahisa Tabata (Waseda Univ.) Analysis of a finite element scheme free from quadrature errors for the Navier–Stokes equations 15

39 Takahito Kashiwabara (TU Darmstadt), Guanyu Zhou (Univ. of Tokyo), Issei Oikawa (Waseda Univ.) Penalty method to the Stokes problem with slip boundary condition 15

40 Tomoya Kemmochi (Univ. of Tokyo), Norikazu Saito (Univ. of Tokyo) — Discrete maximal regularity for abstract Cauchy problems and its application to finite element methods ····· 15

41 Yoshiki Sugitani (Univ. of Tokyo), Guanyu Zhou (Univ. of Tokyo), Norikazu Saito (Univ. of Tokyo) — Finite element approximation for the Stokes equations under a unilateral boundary condition ····· 15

42 Yuuki Ueda (Univ. of Tokyo), Norikazu Saito (Univ. of Tokyo) — On a high-accurate successive time-discretization method based on B-spline interpolation functions ····· 15

43 Khoji Ohtsuka (Hiroshima Kokusai Gakuin Univ.) — Solution of the shape optimization problem with Generalized J-integral by adjoint method ····· 15

14:15–16:15

44 Koichi Anada (Waseda Univ. Senior High School), Tetsuya Ishiwata (Shibaura Inst. of Tech.) — Some features for blow-up solutions of a nonlinear parabolic equations ····· 15

45 Takiko Sasaki (Univ. of Tokyo), Norikazu Saito (Univ. of Tokyo) — Blow-up of finite difference solutions for nonlinear Schrödinger equations ····· 15

46 Daisuke Tagami (Kyushu Univ.) — An iterative domain decomposition method for eddy current problems with the gauge condition ····· 15

47 Koya Sakakibara (Univ. of Tokyo), Shigetoshi Yazaki (Meiji Univ.) — Numerical computation of the one phase Hele-Shaw flow based on the charge simulation method ····· 15

48 Tomoyuki Miyaji (Kyoto Univ.) — Computer-assisted analysis to dynamical systems with four-leaf orbits ····· 15

49 George Miyake (Ube Nat. Coll. of Tech.), Yuji Katsuta (Ube Nat. Coll. of Tech.) — A method of computing parameter values for shaping a limit cycle into a separatrix loop ····· 15

50 Ayuki Sekisaka (Tohoku Univ.) — The relationship between the stability of pulse and the absolute spectrum in reaction diffusion system ····· 15

16:30–17:30 Talk invited by Applied Mathematics Section

Takeshi Takaishi (Hiroshima Kokusai Gakuin Univ.) — A phase-field model for crack growth and its numerical verification

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Topology

September 25th (Thu) Conference Room VI

9:20–12:00

1 Kazuaki Higa (Kochi Univ.), Ryo Kato, Katsumi Shimomura (Kochi Univ.) — A surviving condition on permanent cycles in the Adams E_2-term ···· 10

2 Kentaro Miyazawa (Kochi Univ.), Katsumi Shimomura (Kochi Univ.) — On the action of Greek letter element β_1 in the stable homotopy groups of spheres ····· 10

3 Norihiko Minami (Nagoya Inst. of Tech.) — On the Beilinson–Rosenblyum isogeny theorem of the Hurewicz functor for infinite loop spaces ····· 15

4 Saki Itagaki (Kochi Univ.), Yutaka Hemmi (Kochi Univ.) — Correspondence between categories of finite topological spaces and finite simplicial complexes ····· 10

5 Takahiro Matsushita (Univ. of Tokyo) — The simplicial sets related to the Hom complexes of graphs ····· 10

6 Naoya Suzuki (Nagoya Univ.) — The Dixmier–Douady class in a simplicial de Rham complex ····· 15

7 Hirokazu Nishinobu (Kochi Univ.), Toshihiro Yamaguchi (Kochi Univ.) — Certain examples of posets of rational Gottlieb subgroups ····· 10

8 Katsuhiko Kuribayashi (Shinshu Univ.) — Loop products on Noetherian Hopf spaces ····· 10

9 Miho Hatanaka (Osaka City Univ.) — Spin toric manifolds associated to graphs ····· 10

10 Hiraku Abe (Osaka City Univ.) — Young diagrams and intersection numbers for toric manifolds arising from root systems ····· 15

11 Tatsuya Horiguchi (Osaka City Univ.), Megumi Harada (McMaster Univ.), Mikiya Masuda (Osaka City Univ.) — The equivariant cohomology rings of Peterson varieties ····· 10

12 Takayuki Yamaguchi (Hiroshima Univ.), Tomonori Fukunaga (Hokkaido Univ.), Takaaki Yamanoi (Hokkaido Univ.) — Complete classification of Gauss words of rank less than or equal to 5 by universal finite type invariant ····· 10

14:15–15:25

13 Yukinobu Yajima (Kanagawa Univ.) *, Yasushi Hirata (Kanagawa Univ.) — The D-space property of infinite products ····· 10

14 Tatsuhiko Yagasaki (Kyoto Inst. Tech.), Taras Banakh (Ivan Franko Nat. Univ. of Lviv), Kotaro Mine (Univ. of Tokyo), Katsuro Sakai (Kanagawa Univ.) — Homeomorphism groups of non-compact surfaces endowed with the Whitney topology ····· 15

15 Takashi Shimomura (Nagoya Univ. of Econ.) — Ergodic measures and graph circuits of a sequence of covers ····· 10

16 Takashi Shimomura (Nagoya Univ. of Econ.) — Combinatorial construction of completely scrambled compact system ····· 10

17 Takamitsu Yamauchi (Ehime Univ.) — On coarse geometric infinite-dimensionality of the countable direct sum of the integers ····· 15

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

Brian Bowditch * (Univ. of Warwick / Tokyo Tech) — Rigidity results for spaces associated to a surface

September 26th (Fri) Conference Room Ⅲ

10:30–10:45 Presentation Ceremony for MSJ Geometry Prize 2014

10:50–11:50 Award Lecture for MSJ Geometry Prize 2014
—Celebrating Professor Masatake Kuranishi—

Ryushi Goto (Osaka Univ.)
Kimio Miyajima (Kagoshima Univ.*)
Kuranishi's masterpieces and their developments in deformation theory and CR-geometry

Conference Room VI

13:00–14:15

18 Masaaki Suzuki (Meiji Univ.)
Takuya Sakasai (Univ. of Tokyo)
Shigeyuki Morita (Univ. of Tokyo*/ Tokyo Tech*)
Integral Euler characteristic of Out F_{11} ····· 10

19 Shunsuke Tsuji (Univ. of Tokyo)♭
The logarithms of Dehn twists on non-orientable surfaces ····· 15

20 Nariya Kawazumi (Univ. of Tokyo)
The Turaev cobracket, the Enomoto–Satoh traces and the divergence cocycle in the Kashiwara–Vergne problem ····· 15

21 Tomohiko Ishida (Kyoto Univ.)
Masatoshi Sato (Gifu Univ.)
A twisted first homology of the handlebody mapping class group ····· 10

22 Tomohiko Ishida (Kyoto Univ.)
Vanishing of volume flux groups ····· 10

September 27th (Sat) Conference Room VI

9:20–11:50

23 Inasa Nakamura (Univ. of Tokyo)
Two-dimensional braids over a surface link ····· 10

24 Shin Satoh (Kobe Univ.)
Crossing changes unknot a welded knot ····· 10

25 Seiichi Kamada (Osaka City Univ.)
Cords and 1-handles attached to surface-knots ····· 10

26 Tetsuya Abe (Tokyo Tech)
In Dae Jong (Kinki Univ.)
Annulus twist and diffeomorphic 4-manifolds II ····· 15

27 Masatsuna Tsuchiya (Gakushuin Univ.)
On homotopy $K3$ surface constructed by two left handed trefoil knots ····· 10

28 Noriyuki Hamada (Univ. of Tokyo)
On sections of the Matsumoto–Cadavid–Korkmaz Lefschetz fibration ····· 15

29 Takuya Ukida (Tokyo Tech)
A genus zero Lefschetz fibration on the Akbulut cork ····· 10

30 Takahiro Oba (Tokyo Tech)
Diffeomorphism types of Stein fillings and mapping class groups ····· 15

31 Naohiko Kasuya (Univ. of Tokyo)
On contact submanifolds of the odd dimensional Euclidean spaces ····· 15

32 Tomohiro Horiuchi (Chuo Univ.)
Leafwise holomorphic automorphisms of Reeb components ····· 15

14:15–15:40

33 Kuniyuki Takaoka (Waseda Univ.) LR number of spherical closed curves ····· 10

34 Noboru Ito (Waseda Univ.), Yusuke Takimura (Gakushuin Boy's Junior High School) Triple chords and strong (1, 2) homotopy ····· 10

35 Noboru Ito (Waseda Univ.), Yusuke Takimura (Gakushuin Boy's Junior High School) Strong and weak (1, 2) homotopies on spherical curves and new invariants ····· 10

36 Kenta Hayano (Hokkaido Univ.), Noboru Ito (Waseda Univ.) A new aspect of the Arnold invariant J^+ from a global viewpoint ···· 15

37 Keiichi Sakai (Shinshu Univ.) Lin–Wang type formula for Haefliger invariant ····· 15

38 Yusuke Mizota (Kyushu Univ.), Takashi Nishimura (Yokohama Nat. Univ.) Is the module of lowerable vector fields finitely generated? ····· 10

16:00–17:00 Talk invited by Topology Section

Masaharu Ishikawa (Tohoku Univ.) Stable maps and branched shadows of 3-manifolds

September 28th (Sun) Conference Room VI

9:20–12:00

39 Naoko Kamada (Nagoya City Univ.) The writhes of a twisted knot ····· 10

40 Takuji Nakamura (Osaka Electro-Comm. Univ.), Yasutaka Nakanishi (Kobe Univ.), Shin Satoh (Kobe Univ.) On the set of virtual knots with a given state number ····· 10

41 Yasutaka Nakanishi (Kobe Univ.), Yoko Sakamoto (Kobe Univ.), Shin Satoh (Kobe Univ.) Delta-crossing number for knots ····· 10

42 Shosaku Matsuzaki (Waseda Univ.) On arrangements of component-trivial links on planes ····· 15

43 Atsushi Ishii (Univ. of Tsukuba) Circulatory orientations and handlebody-links ····· 10

44 Toshio Saito (Joetsu Univ. of Edu.) Essential tangle spheres of knots ····· 10

45 Yoshiyuki Nakagawa (Ryukoku Univ.), Yasushi Yamashita (Nara Women's Univ.), Makoto Tamura (Osaka Sangyo Univ.) The growth of torus link groups ····· 10

46 Yuka Kotorii (Univ. of Tokyo) On relation between the Milnor's μ-invariant and HOMFLYPT polynomial ····· 10

47 Yasuyoshi Tsutsumi (Oshima Nat. Coll. of Maritime Tech.) Negativity of the third Ohtsuki invariants of the Brieskorn–Hamm homology 3-spheres ····· 10

48 Takayuki Morifuji (Keio Univ.) *, Anh T. Tran (Ohio State Univ.) Parabolic representations of 2-bridge knots and twisted Alexander polynomials ····· 10

49 Teruaki Kitano (Soka Univ.) Reidemeister torsion of a homology 3-sphere surgeried along a torus knot for $SL(2,\mathbb{C})$-irreducible representaions ····· 10

50 Takamichi Sushida (Meiji Univ.), Akio Hizume (Ryukoku Univ.), Yoshikazu Yamagishi (Ryukoku Univ.) Shape limit in Voronoi spiral multiple tilings ····· 15

51 Hirotaka Akiyoshi (Osaka City Univ.) Side parameter for the torus with a single cone point ····· 10

Infinite Analysis

September 25th (Thu) Conference Room IX

10:00–12:00

1 Genki Shibukawa (Kyushu Univ.) Multivariate Meixner, Charlier and Krawtchouk polynomials ····· 15

2 Yusuke Ohkubo (Nagoya Univ.) Existence and orthogonality of generalized Jack symmetric functions arising from AGT conjecture and its q-deformation ····· 15

3 Kouichi Takemura (Chuo Univ.) Multi-indexed Jacobi polynomials and Maya diagrams ····· 15

4 Ayumu Hoshino (Kagawa Nat. Coll. of Tech.), Masatoshi Noumi (Kobe Univ.), Junichi Shiraishi (Univ. of Tokyo) Fourfold series expression for Askey–Wilson polynomial ····· 15

5 Ayumu Hoshino (Kagawa Nat. Coll. of Tech.), Masatoshi Noumi (Kobe Univ.), Junichi Shiraishi (Univ. of Tokyo) An explicit formula for Koornwinder polynomial with one row diagram and a proof of Lassalle's conjectures ····· 15

6 Yosuke Saito (Tohoku Univ.) Modular double of the Ding–Iohara–Miki algebra obtained from the double sine function ····· 15

14:15–15:30

7 Youichi Shibukawa (Hokkaido Univ.) Hopf algebroids associated with dynamical Yang–Baxter maps ····· 15

8 Youichi Shibukawa (Hokkaido Univ.) Rigid tensor categories associated with dynamical Yang–Baxter maps ····· 15

9 Masanori Ando (Wakhok Univ.) * An understanding and its application of the similarity in the generating functions of partitions and strict partitions ····· 15

10 Saburo Kakei (Rikkyo Univ.), Kenji Kajiwara (Kyushu Univ.) Toda hierarchy and motion of plane curves by modified KdV hierarchy ····· 15

15:45–16:45 Talk invited by Infinite Analysis Special Session

Soichi Okada (Nagoya Univ.) Schur-type Pfaffians and their applications to symmetric function

September 26th (Fri) Conference Room IX

10:00–12:00

11 Takeshi Morita (Osaka Univ.) A relation between the divergent bilateral basic hypergeometric series ${}_2\psi_2(a,0;b_1,b_2;q,x)$ and the basic hypergeometric series ····· 15

12 Shin Isojima (Hosei Univ.) Ultradiscrete limit of special function solutions of the Painlevé III equation ····· 15

13 Tomoyuki Takenawa (Tokyo Univ. of Marine Sci. and Tech.) Schlesinger transformations and difference Painlevé equations ····· 15

14 Kohei Iwaki (Kyoto Univ.), Tomoki Nakanishi (Nagoya Univ.) Exact WKB analysis and cluster algebras ····· 15

15 Masataka Kanki (Rikkyo Univ.), Tetsuji Tokihiro (Univ. of Tokyo), Takafumi Mase (Univ. of Tokyo), Jun Mada (Nihon Univ.) Co-primeness condition as an integrability criterion for discrete equations ····· 15

16 Akishi Kato (Univ. of Tokyo), Yuji Terashima (Tokyo Tech) Quiver mutation loops and partition q-series ····· 15

13:00–14:00 Talk invited by Infinite Analysis Special Session

Yousuke Ohyama (Osaka Univ.) Classical Analysis on the q-Painlevé equations

Information for Speakers

The Organizing Committee apologizes that it had to cut the duration of contributed talks because of technical reasons. Since the schedule is very tight, we ask the speakers to strictly keep time. A bell will be rung when 2/3 of the assigned time has passed. A second bell will be rung as soon as the time is up, and the speaker has to leave the stage.

Collaborative works are presented by the underlined authors. The talks with $*$ mark are presented through document camera, while $\flat$ marks denote presentations on blackboard or whiteboard. The speakers with $\star$ marks are professors emeriti. If you find anything wrong in the program, do not hesitate to inform the Chair of Organizing Committee by sending e-mail to the address `program14sept@mathsoc.jp`.

Each conference room is equipped with a whiteboard or blackboard, a document camera, and a projector for PC presentation. You are asked to use your own PC for a PC presentation. The time for connecting your PC to the projector is included in the assigned duration of your talk. You are recommended to check beforehand if your PC can be connected to the projector in the conference room. We strongly advise you to prepare an alternative method to present your talk such as printed sheets for the document camera in case your PC does not fit to the projector.

Information for Participants

In Higashi-Hiroshima campus smoking is prohibited generally. Smokers are kindly asked to smoke in the designated areas.

You can go to Higashi-Hiroshima campus by car. But the parking area is limited. First come, first served.

You can get a wireless LAN connection in all of the discussion rooms and some of the lecture rooms, by getting eduroam pseudonym account or using Wi-Fi service of telecom operators. See

`http://www.media.hiroshima-u.ac.jp/services/hinet/access-point`

for the detailed information.

During the MSJ meeting, the cafeteria in West Welfare Center No. 2, which is near the conference rooms, is open on Saturday and Sunday as well as weekdays. On weekdays and Saturday, other cafeterias, cafés and coop shops are also open. There are some restaurants outside the campus.

Official Party

Time: September 26th (Fri), 18:15–20:15
Venue: Saijo HAKUWA Hotel 2F Diamond
Participants are asked to pay 5,000 JPY at the party.

Directions

2014 MSJ AUTUMN MEETING

Dates : September 25th (Thu)–28th (Sun), 2014

Venue : Hiroshima University, Higashi-Hiroshima Campus
1–7–1, Kagamiyama, Higashi-Hiroshima City, Hiroshima 739-8521

Contact to : Department of Mathematics,
Graduate School of Sciences, Hiroshima University
1–3–1, Kagamiyama, Higashi-Hiroshima City, Hiroshima 739-8526
E-mail `hiroshima14sept@mathsoc.jp`
Phone +81 (0) 90 1791 3483 (During session)

Web Site : `http://mathsoc.jp/en/meeting/hiroshima14sept/`

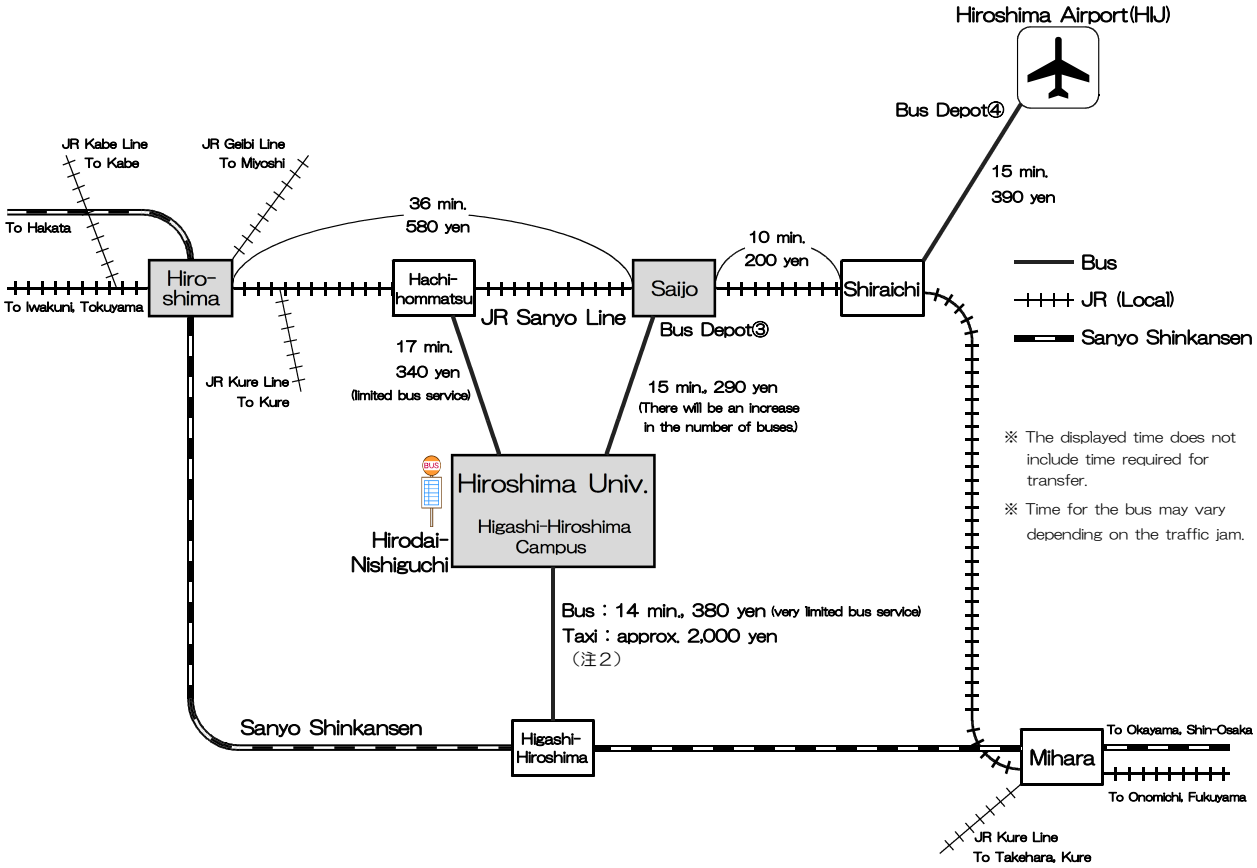
Conference Rooms

	Place	Research Sections
Conference Room I	Fac. Int. Arts Sci., K110	Complex Analysis, Real Analysis
Conference Room II	Fac. Int. Arts Sci., K108	Algebra, Featured Invited Talk
Conference Room III	Fac. Int. Arts Sci., K107	Geometry, Featured Invited Talk
Conference Room IV	Fac. Int. Arts Sci., L101	Functional Analysis
Conference Room V	Fac. Int. Arts Sci., L102	Functional Equations, Featured Invited Talk
Conference Room VI	Fac. Int. Arts Sci., K211	Topology
Conference Room VII	Fac. Int. Arts Sci., K210	Statistics and Probability
Conference Room VIII	Fac. Int. Arts Sci., L201	Applied Mathematics
Conference Room IX	Fac. Int. Arts Sci., K314	Infinite Analysis, Foundation of Mathematics and History of Mathematics
Plenary Talks	Satake Memorial Hall	
Open Lectures for Citizens	Fac. Sci., E102	

Other Rooms

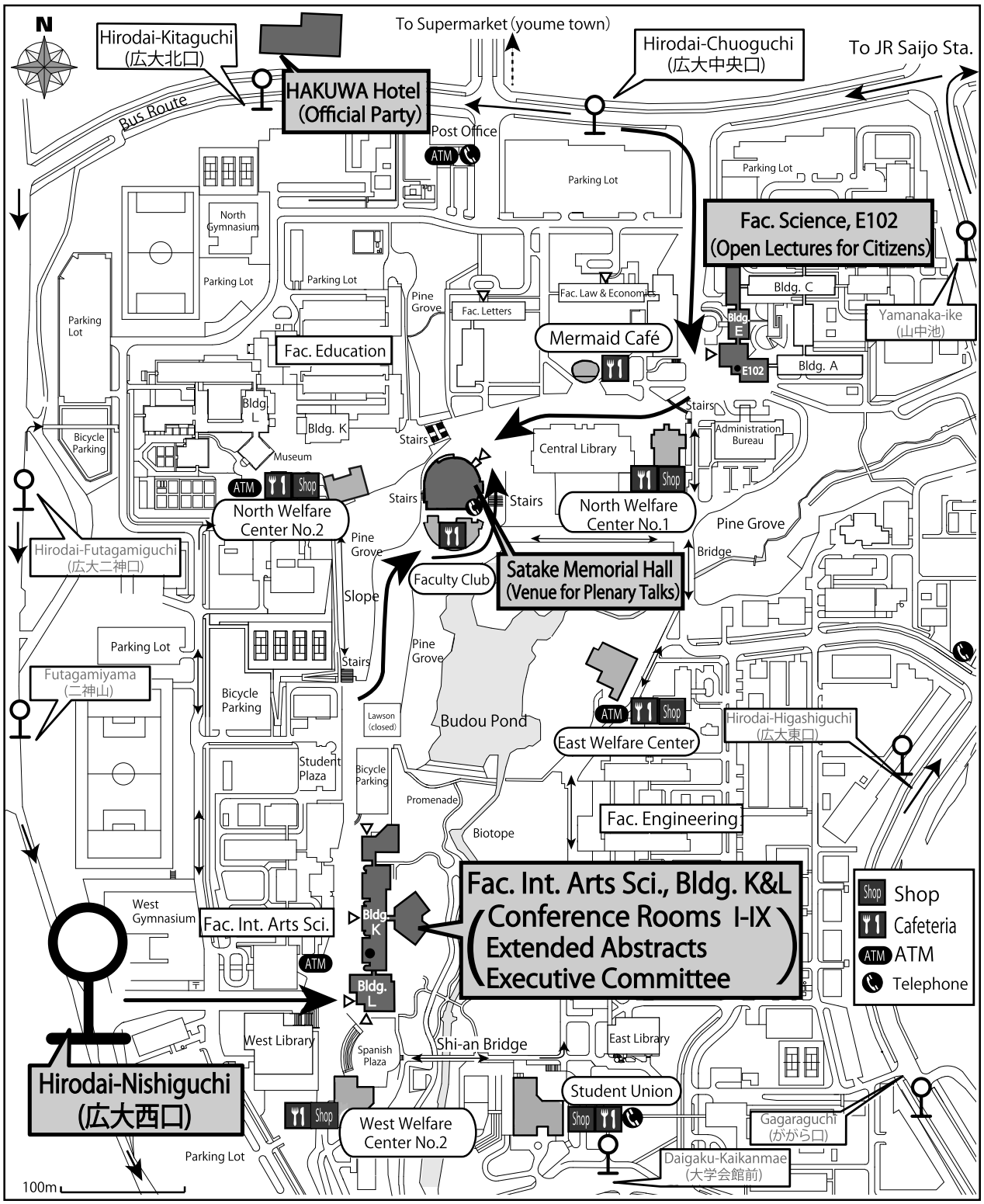
Extended Abstracts and Membership	Fac. Int. Arts Sci., K104
Discussion Rooms	Fac. Int. Arts Sci., K106 / K208 / K312
Book Display and Sale	Fac. Int. Arts Sci., K101 / K102 / K105
Executive Committee, MSJ President	Fac. Int. Arts Sci., K302
Official Party	Saijo HAKUWA Hotel 2F Diamond

Access to Hiroshima University



- From Hiroshima station to Hiroshima University, please take a train on the Sanyo line bound for Saijo and Mihara, and transfer to the bus at Saijo station.
- There are two bus companies that provide a bus between Saijo station and Hiroshima University, Chugoku JR Bus and Geiyo Bus.
- The nearest bus stop to the conference rooms is “Hirodai-Nishiguchi”. (The nearest bus stop to the venue for plenary talks and open lectures for citizens is “Hirodai-Chuoguchi”. The nearest bus stop to the venue for the official party is “Hirodai-Kitaguchi”.)
- There will be an increase in the number of buses between Saijo station and Hiroshima University during the MSJ meeting.
- From Hachihommatsu station and Higashi-Hiroshima station, some buses also operate to Hiroshima University. But they are very limited bus service. If you want to go to Hiroshima University from Higashi-Hiroshima station, we recommend that you take a taxi. The fare is approximately 2,000 yen.

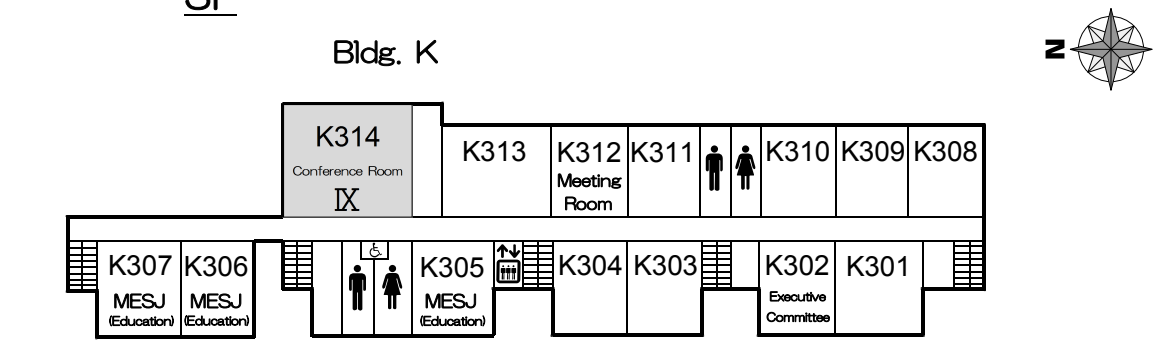
Campus Map of Hiroshima University



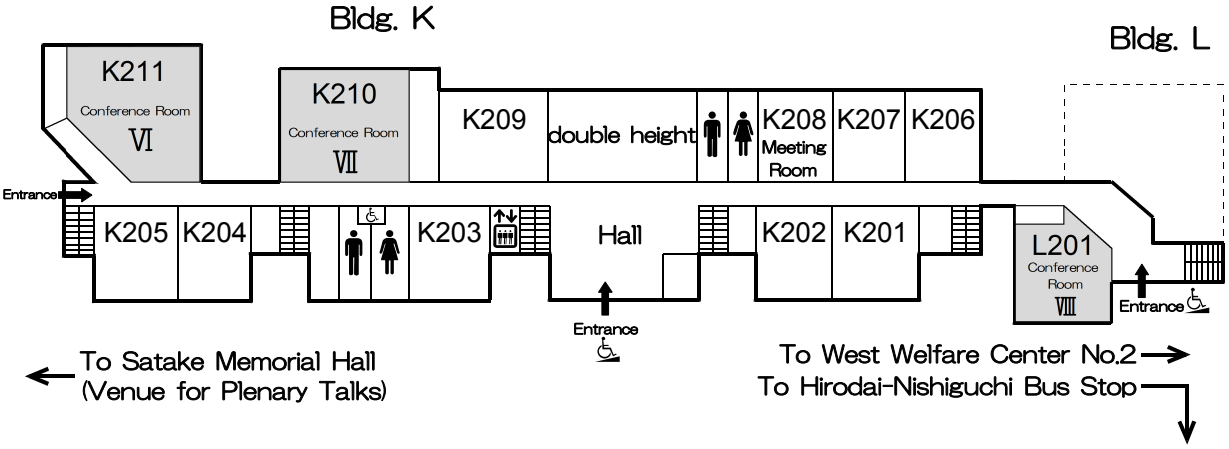
Floor Maps

Fac. Int. Arts Sci., Buildings K&L

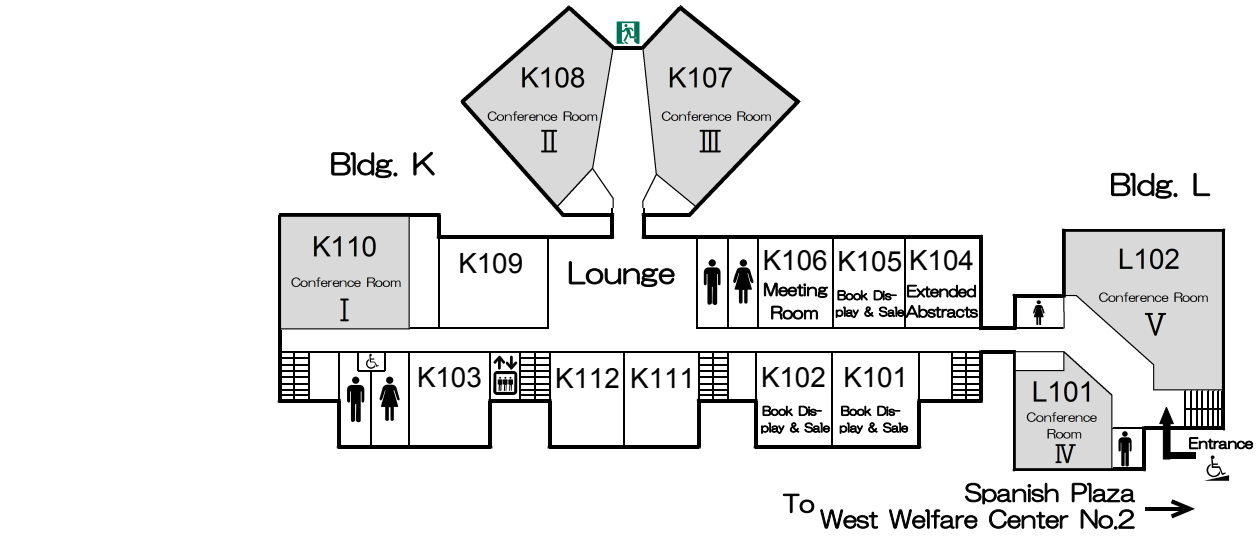
3F

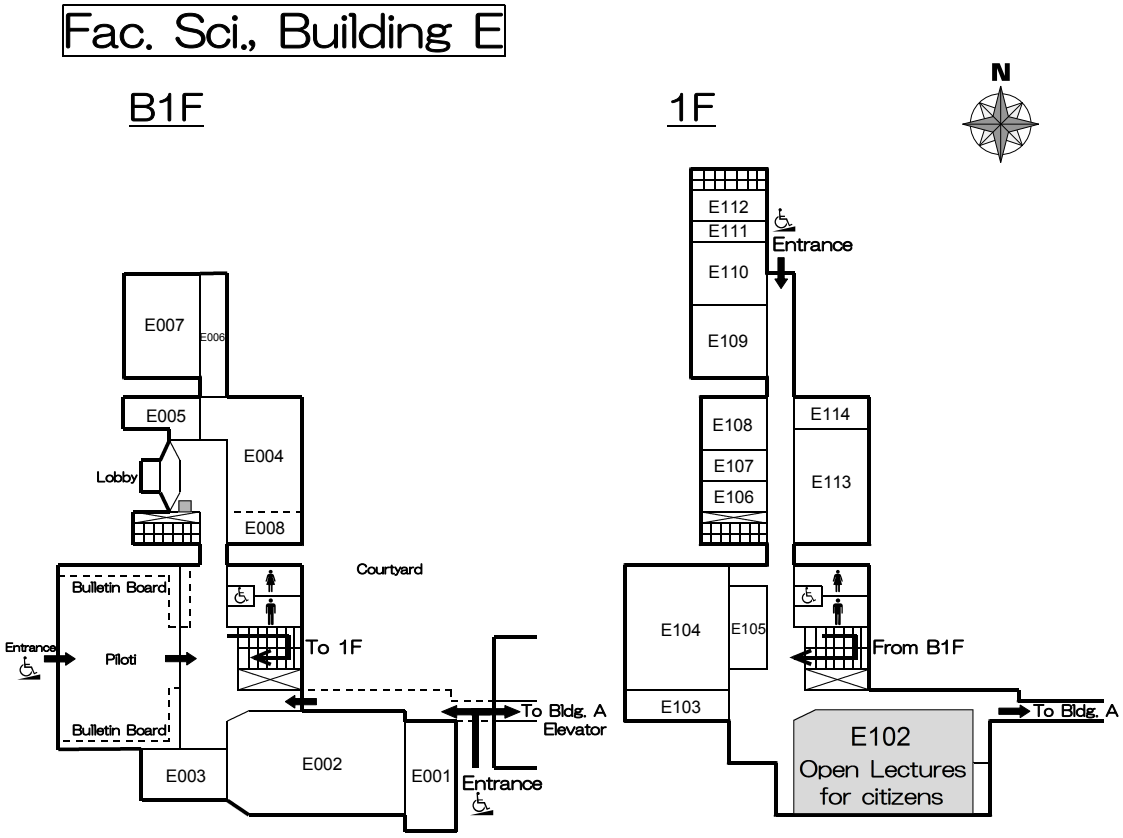


2F



1F





- The north entrance of Faculty of Science, Building E is on 1F, while the south entrance is on B1F. There is an elevator in Building A, while there is no elevator in Buliding E.