Final Version: 2015/02/10

2015 Mathematical Society of Japan

ANNUAL MEETING

Dates: March 21st (Sat)–24th (Tue), 2015

Venue: Meiji University, Suruga-dai Campus (Liberty Tower)
Kanda Suruga-dai 1–1, Chiyoda-ku, Tokyo 101-8301

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	Ia 1021 (2F)	IIa 1022 (2F)	IIIa 1031 (3F)	IVa 1032 (3F)	Va 1063 (6F)	VIa 1065 (6F)	VII 1126 (12F)	VIII 1133 (13F)	IX 1136 (13F)
21st (Sat)	Algebra 9:30–12:00 14:15–17:00	Statistics and Probability 9:30–12:00 14:15–14:45	Geometry 9:50–12:00 14:15–15:40	Topology 9:30–12:00 14:15–15:30	Functional Equations 9:15–12:00 14:15–16:30	Applied Mathematics 9:50–12:00 14:30–16:00	Found. of Math. and History of Math. 10:00–11:25 14:15–16:50	Functional Analysis 10:00–12:00	Real Analysis 9:30–12:00 14:15–16:30
	Featured Invited Talks 13:00–14:00								
	Invited Talk 17:15–18:15	Invited Talks 15:00–16:00 16:15–17:15	Invited Talks 15:50–16:50 17:00–18:00	Invited Talk 15:45–16:45	Invited Talk 16:50–17:50	Invited Talk 16:10–17:10	Invited Talk 17:00–18:00	Invited Talk 14:15–15:15	Invited Talk 16:40–17:40

	Ib 1013 (1F)	IIb 1123 (12F)	IIIb 1001 (B1F)	IVb 1116 (11F)	Vb 1103 (10F)	VIb 1106 (10F)	VII 1126 (12F)	VIII 1133 (13F)	IX 1136 (13F)
22nd (Sun)	Algebra 9:30–12:00 Invited Talk 13:15–14:15	Statistics and Probability 9:30–11:30	Geometry 9:30–12:00 13:00–14:15	Topology 9:30–12:00 Invited Talk 13:15–14:15	Functional Equations 9:15–12:00 Invited Talk 13:15–14:15	Applied Mathematics 9:30–11:30 13:00–13:50	Found. of Math. and History of Math. 9:30–11:40 Invited Talk 13:15–14:15	Functional Analysis 9:30–12:00 Invited Talk 13:15–14:15	Real Analysis 9:30–12:00 Invited Talk 13:15–14:15
	MSJ Prizes Presentation (1013 (1F)) ········ (14:40–15:00)								
	Plenary Talks (1013 (1F)) MSJ Spring Prize Winner ········ (15:15–16:15)								
	M. Kapranov (Univ. of Tokyo) ········ (16:45–17:45)								
	Official Party (Kishimoto Tatsuo HALL (23F)) ········ (18:00–20:00)								

	Ib 1013 (1F)	IIa 1022 (2F)	IIIa 1031 (3F)	IVa 1032 (3F)	Va 1063 (6F)	VIa 1065 (6F)	VII 1126 (12F)	VIII 1133 (13F)	IX 1136 (13F)
23rd (Mon)	Algebra 9:30–11:45 15:45–18:30	Statistics and Probability 9:30–12:00 14:15–15:15	Geometry 9:45–12:00 14:15–16:45	Topology 9:30–12:00 14:15–16:45	Functional Equations 9:30–12:00 14:15–16:00	Applied Mathematics 10:00–11:30 14:30–16:00	Complex Analysis 9:30–11:45 14:15–14:45	Functional Analysis 9:30–12:00 14:15–16:00	Real Analysis 9:30–12:00 Infinite Analysis 14:15–15:30
	Featured Invited Talks 13:00–14:00								
	Invited Talk 14:30–15:30	Invited Talks 15:30–16:30 16:45–17:45	Invited Talk 17:00–18:00	Invited Talk 17:00–18:00	Invited Talk 16:20–17:20	Invited Talk 16:15–17:15	Invited Talks 15:10–16:10 16:25–17:25	Invited Talk 16:30–17:30	Invited Talk 15:45–16:45

	Ib 1013 (1F)	IIa 1022 (2F)	IIIa 1031 (3F)	IVa 1032 (3F)	Va 1063 (6F)	VIa 1065 (6F)	VII 1126 (12F)		IX 1136 (13F)
24th (Tue)	Algebra 9:30–12:00 14:15–15:30	Statistics and Probability 9:45–12:00 14:15–15:15	Geometry 9:30–12:00 14:15–15:50	Topology 9:30–12:00	Functional Equations 9:30–11:30 14:15–15:15	Applied Mathematics 9:45–11:45 14:15–15:45	Complex Analysis 9:30–11:45 14:15–15:10		Infinite Analysis 9:45–11:45 14:15–15:30
	Featured Invited Talks 13:00–14:00								
	Invited Talk 15:45–16:45		Invited Talk 16:00–17:00		Invited Talk 15:30–16:30	Invited Talk 16:00–17:00	Invited Talk 15:30–16:30		Invited Talk 15:45–16:45

Plenary Talks

March 22nd (Sun) 1013 (1F)

MSJ Spring Prize Winner		(15:15–16:15)
Mikhail Kapranov (Univ. of Tokyo)	Lie algebras and secondary polytopes	(16:30–17:30)

Featured Invited Talks

March 21st (Sat)

Conference Room IIa (1022 (2F))

Nariyuki Minami (Keio Univ.)	Questions in energy level statistics and the theory of point processes	(13:00–14:00)

Conference Room IIIa (1031 (3F))

Nobuhiro Honda (Tokyo Tech)	Geometry of twistor spaces	(13:00–14:00)

Conference Room Va (1063 (6F))

Kenji Yajima (Gakushuin Univ.)	Meeting points of Schrödinger equation and real analysis	(13:00–14:00)

March 23rd (Mon)

Conference Room Ib (1013 (1F))

Keiko Takahashi (Japan Agency for Marine-Earth Sci. and Tech.)	Mathematical issues on weather and climate variability prediction studies	(13:00–14:00)

Conference Room IVa (1032 (3F))

Mitsuhiro Shishikura (Kyoto Univ.)	Continued fractions and the renormalization of dynamical systems	(13:00–14:00)

March 24th (Tue)

Conference Room Ib (1013 (1F))

Takashi Taniguchi (Kobe Univ.)	Average rank of elliptic curves —Fields medal award by Manjul Bhargava and future prespectives—	(13:00–14:00)

Conference Room Va (1063 (6F))

Izumi Takagi (Tohoku Univ.)	Mathematical approaches to biological pattern formation —Turing's unfinished project—	(13:00–14:00)

Talks Invited by Research Sections and Special Session

March 21st (Sat)

Foundation of Mathematics and History of Mathematics (Conference Room VII (1126 (12F)))

Katsuhiko Sano	(JAIST)	On coalgebraic modal logic and related topics	(17:00–18:00)

Algebra (Conference Room Ia (1021 (2F)))

Kazushi Ueda	(Osaka Univ.) ♭	Moduli of relations of quivers	(17:15–18:15)

Geometry (Conference Room IIIa (1031 (3F)))

Nozomu Matsuura	(Fukuoka Univ.)	Deformations of discrete curves	(15:50–16:50)
Wenjiao Yan	(Tohoku Univ./Beijing Normal Univ.) ♭	Isoparametric foliation and Yau's conjecture on the first eigenvalue	(17:00–18:00)

Functional Equations (Conference Room Va (1063 (6F)))

Kazuyuki Yagasaki	(Kyoto Univ.)	Existence and bifurcation of positive radial solutions in elliptic equations	(16:50–17:50)

Real Analysis (Conference Room IX (1136 (13F)))

Koichi Osaki	(Kwansei Gakuin Univ.)	Nonlinear analysis for a chemotaxis-growth system	(16:40–17:40)

Functional Analysis (Conference Room VIII (1133 (13F)))

Hidetoshi Tahara	(Sophia Univ.)	q-Analogues of Laplace and Borel transforms with application to q-difference equations	(14:15–15:15)

Statistics and Probability (Conference Room IIa (1022 (2F)))

Naotaka Kajino	(Kobe Univ.)	Heat kernel analysis for Brownian motion of 2-dimensional Liouville quantum gravity	(15:00–16:00)

Award Lecture for 2014 Analysis Prize

Hirofumi Osada	(Kyushu Univ.)	Stochastic dynamics and geometry for infinite particle systems	(16:15–17:15)

Applied Mathematics (Conference Room VIa (1065 (6F)))

Midori Kobayashi	(Univ. of Shizuoka)	Dudeney's round table problem —a survey—	(16:10–17:10)

Topology (Conference Room IVa (1032 (3F)))

Shoji Yokura	(Kagoshima Univ.)	On characteristic classes of singular spaces —from a viewpoint of counting—	(15:45–16:45)

March 22nd (Sun)

Foundation of Mathematics and History of Mathematics (Conference Room VII (1126 (12F)))

Daisuke Ikegami	(Kobe Univ.)	Gödel's program, large cardinals, and forcing axioms	(13:15–14:15)

Algebra (Conference Room Ib (1013 (1F)))

Jun-ichi Miyachi	(Tokyo Gakugei Univ.) ♭	Homotopy categories and derived categories of N-complexes	(13:15–14:15)

Functional Equations (Conference Room Vb (1103 (10F)))

Hiroyoshi Mitake (Hiroshima Univ.)♭ Large-time asymptotics and selection problems for degenerate viscous Hamilton–Jacobi equations · · · · · · · · · · · · · · · · · · (13:15–14:15)

Real Analysis (Conference Room IX (1136 (13F)))

Neal Bez (Saitama Univ.) Some inequalities from geometric and harmonic analysis via induction-on-scales · (13:15–14:15)

Functional Analysis (Conference Room VIII (1133 (13F)))

Hiroyuki Osaka (Ritsumeikan Univ.) Gap problems of matrix monotone functions and matrix convex functions and their applications · (13:15–14:15)

Topology (Conference Room IVb (1116 (11F)))

Anton Alekseev (Univ. of Geneva) Geometry and Topology of Lie-group valued moment maps · (13:15–14:15)

March 23rd (Mon)

Algebra (Conference Room Ib (1013 (1F)))

Award Lecture for the 2015 MSJ Algebra Prize

Syu Kato (Kyoto Univ.) On affine highest weight categories arising from quantum groups and Hecke algebras and its applications · · · · · · · · · (14:30–15:30)

Geometry (Conference Room IIIa (1031 (3F)))

Yuji Odaka (Kyoto Univ.)* Moduli of Kähler–Einstein manifolds and their canonical compactifications · (17:00–18:00)

Complex Analysis (Conference Room VII (1126 (12F)))

Hiroshige Shiga (Tokyo Tech) On the deformation spaces of Kleinian groups · · · · · · · · · · · (15:10–16:10)

Award Lecture for 2014 Analysis Prize

Hidetaka Hamada (Kyushu Sangyo Univ.) Approximation of holomorphic mappings on spirallike domains in $\mathbb{C}^n$ · (16:25–17:25)

Functional Equations (Conference Room Va (1063 (6F)))

Award Lecture for 2014 Analysis Prize

Kazuhiro Ishige (Tohoku Univ.) Concavity properties of solutions for parabolic equations · · (16:20–17:20)

Functional Analysis (Conference Room VIII (1133 (13F)))

Kenji Taniguchi (Aoyama Gakuin Univ.) Composition series of the standard Whittaker $(\mathfrak{g}, K)$-modules · (16:30–17:30)

Statistics and Probability (Conference Room IIa (1022 (2F)))

Taka-aki Shiraishi (Nanzan Univ.) Advanced theory of multiple comparison procedures in multi-sample models · (15:30–16:30)

Masashi Hyodo (Tokyo Univ. of Sci.) Estimation of the probabilities of misclassification for a linear discriminant function in high-dimensional settings · · · · · · · · (16:45–17:45)

Applied Mathematics (Conference Room VIa (1065 (6F)))

Elliott Ginder (Hokkaido Univ.) Methods for approximation of constrained interfacial dynamics · (16:15–17:15)

Topology (Conference Room IVa (1032 (3F)))

Yusuke Kuno (Tsuda Coll.) * Fatgraph complexes and mapping class groups ··········· (17:00–18:00)

Infinite Analysis (Conference Room IX (1136 (13F)))

Shintarou Yanagida (Kyoto Univ.) Motivic Hall algebras and quantum toroidal algebras ····· (15:45–16:45)

March 24th (Tue)

Algebra (Conference Room Ib (1013 (1F)))

Shunsuke Yamana (Kyushu Univ.) ♭ Exterior cube L-functions for $GL(6)$ ···················· (15:45–16:45)

Geometry (Conference Room IIIa (1031 (3F)))

Ayato Mitsuishi (Tohoku Univ.) ♭ Topology of Alexandrov spaces ························ (16:00–17:00)

Complex Analysis (Conference Room VII (1126 (12F)))

Yusaku Tiba (Tokyo Tech) A minimum principle of a maximal plurisubharmonic function and its application to the complex Monge–Ampère equation ··· (15:30–16:30)

Functional Equations (Conference Room Va (1063 (6F)))

Satoshi Masaki (Hiroshima Univ.) ♭ On mass-subcritical nonlinear Schrödinger equation ······ (15:30–16:30)

Applied Mathematics (Conference Room VIa (1065 (6F)))

Yuichiro Wakano (Meiji Univ.) Dynamics and its mathematical analysis in evolutionary biology ··· (16:00–17:00)

Infinite Analysis (Conference Room IX (1136 (13F)))

Hidetaka Sakai (Univ. of Tokyo) Studies on the Painlevé equations ······················ (15:45–16:45)

Open Lectures for Citizens

Date: March 20th (Fri) 13:00–15:30

Venue: 1013 (1F)

Sponsored by: Mathematical Society of Japan

Program: Opening Speech:

Tadahisa Funaki (President of MSJ / Univ. of Tokyo) ········· (13:00–13:10)

Lecture 1: Kokichi Sugihara (Meiji Univ.)

A Mathematical Approach to Secret of Optical Illusion

—Miracle of the Human Vision System— ················· (13:10–14:10)

Lecture 2: Norio Adachi (Waseda Univ.)

Descartes, Fermat, and Pascal

—To Compare Their Mathematical Thoughts— ············ (14:30–15:30)

Web Page: `http://mathsoc.jp/en/meeting/meiji15sept/`

Featured Lecture and Panel Discussion on the Occasion of the Centennial Birthday of Kunihiko Kodaira

Date: March 20th (Fri) 16:00–18:15
Venue: 1013 (1F)
Sponsored by: Mathematical Society of Japan
Program: Opening Speech:
Yoichi Miyaoka
(Chairman of the Organizing Committee of the K. Kodaira Centennial Conference / Univ. of Tokyo)
· (16:00–16:05)

Lecture: Kenji Ueno (Kyoto Univ., Prof. Emeritus / Yokkaichi Univ.)
Kunihiko Kodaira and His Mathematics · · · · · · · · · · · · · · · · · · (16:05–17:05)

Panel Discussion: Kodaira Kunihiko and His Mathematics · · · (17:15–18:15)
Kazuhiro Konno (Osaka Univ.)
Yoichi Miyaoka (Univ. of Tokyo)
Fumio Sakai (Saitama Univ., Prof. Emeritus)
Tetsuji Shioda (Rikkyo Univ., Prof. Emeritus)
Kenji Ueno (Kyoto Univ., Prof. Emeritus / Yokkaichi Univ.)

Web Page: `http://mathsoc.jp/en/meeting/meiji15sept/`

Panel Exhibition of Kunihiko Kodaira

— His Life and Friends —

Date: March 20th (Fri) 13:00–17:00
March 21st (Sat) 10:00–17:00
March 22nd (Sun) 10:00–17:00
March 23rd (Mon) 10:00–17:00
March 24th (Tue) 10:00–12:00
Venue: 1144 (14F)
Sponsored by: Mathematical Society of Japan
Web Page: `http://mathsoc.jp/en/meeting/meiji15sept/`

Foundation of Mathematics and History of Mathematics

March 21st (Sat) Conference Room VII (1126 (12F))

10:00–11:25

1	Shigeru Masuda (Res. Workshop of Classical Fluid Dynamics)	The Correspondings as the *Eigenvalue* and the *Eigenfunction/Eigenspace* before Hilbert	15
2	Shigeru Masuda (Res. Workshop of Classical Fluid Dynamics)	Poincaré's *Analytic Theory of Propagation of Heat*, following after Provést, Fourier and Poisson	15
3	Michiyo Nakane	Osaka University and the establishment of the history of mathematics in Japan	15
4	Michiyo Nakane	Foundation and history of mathematics in Japan: From historical view point	10
5	Shotaro Tanaka *	Methods of solving Rokuyaku power series and applying them to pyramidal power series	15

11:30–12:00 Mathematics History Team Meeting

14:15–16:50

6	Hirotaka Kikyo (Kobe Univ.)	Model complete generic graphs I	15
7	Koichiro Ikeda (Hosei Univ.) Hirotaka Kikyo (Kobe Univ.)	A generic structure whose theory is not model complete	15
8	Koichiro Ikeda (Hosei Univ.)	Near model completeness of generic structures	15
9	Kota Takeuchi (Univ. of Tsukuba)	n-dependent theories	15
10	Munehiro Kobayashi (Univ. of Tsukuba) Takayuki Kuriyama (Grad. Univ. for Adv. Stud.) Kota Takeuchi (Univ. of Tsukuba)	VC-dimension and PAC-learnability for higher dimensional spaces	15
11	Nobu-Yuki Suzuki (Shizuoka Univ.)	A note on weak variants of existence property in intermediate predicate logics	15
12	Takahiro Seki (Niigata Univ.)	Halldén-completeness and Sahlqvist formulas	15
13	Yoshihito Tanaka (Kyushu Sangyo Univ.)	A simple embedding of bounded semilattices with operators into Boolean algebras with operators	15
14	Katsumi Sasaki (Nanzan Univ.)	The exact **K4**-models and the exact **S4**-models in **S4**	15

17:00–18:00 Talk Invited by Section on Foundation and History of Mathematics

Katsuhiko Sano (JAIST) On coalgebraic modal logic and related topics

March 22nd (Sun) Conference Room VII (1126 (12F))

9:30–11:40

15	Takashi Oyabu	♭	Of parabolic type, and other 5 talks	5
16	Taishi Kurahashi (Kisarazu Nat. Coll. of Tech.) Makoto Kikuchi (Kobe Univ.)		The incompleteness theorems for Σ_n definable theories of arithmetic	15
17	Makoto Fujiwara (Tohoku Univ.)		Uniform and intuitionistic provability in reverse mathematics	15
18	Kazuyuki Tanaka (Tohoku Univ.) Florian Pelupessy (Tohoku Univ.)		Finitisations of second order principles	15
19	Kohtaro Tadaki (Chuo Univ.)		An operational characterization of the notion of probability by algorithmic randomness	15
20	Kojiro Higuchi (Chiba Univ.)		On a theory of classes	15
21	Yasumichi Matsuzawa (Shinshu Univ.)		Complexity of the Weyl–von Neumann equivalence relation	15
22	Toshimichi Usuba (Kobe Univ.)		Large Lindelöf spaces with points G_δ	15
23	Hiroshi Sakai (Kobe Univ.)		On monadic second order theories of cardinals	10

11:45–12:15 Research Section Assembly

13:15–14:15 Talk Invited by Section on Foundation and History of Mathematics

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

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Algebra

March 21st (Sat) Conference Room Ia (1021 (2F))

9:30–12:00

1	Akiyoshi Tsuchiya (Osaka Univ.)		The δ-vectors of reflexive polytopes and of the dual polytopes	15
2	Akihiro Higashitani (Kyoto Univ.)		Unimodality of δ-vectors and two related properties	15
3	Akihiro Higashitani (Kyoto Univ.) Benjamin Nill (Stockholm Univ.) Akiyoshi Tsuchiya (Osaka Univ.)		Characterization of symmetric δ-trinomial	10
4	Naoki Taniguchi (Meiji Univ.)		Sequentially Cohen–Macaulay Rees modules	15
5	Yusuke Nakajima (Nagoya Univ.)		Ulrich modules over cyclic quotient surface singularities	15
6	Hidefumi Ohsugi (Kwansei Gakuin Univ.) Kazuki Shibata (Rikkyo Univ.) Takayuki Hibi (Osaka Univ.) Kazunori Matsuda (Rikkyo Univ.)	*	Centrally symmetric configurations of order polytopes	15

7	Kei-ichiro Iima (Nara Nat. Coll. of Tech.) Tokuji Araya (Okayama Univ. of Sci.)	*	On the locally Gorensteinness and Serre's (S_n)-condition of modules	15
8	Mitsuhiro Miyazaki (Kyoto Univ. of Edu.)	*	Actions of special linear groups to tensors of indeterminates and sagbi bases of the rings of invariants	15

14:15–17:00

9	Takahisa Kawada (Nagoya Inst. of Tech.)		Invariant code and its efficient decoding	10
10	Tetsuya Uematsu (Toyota Nat. Coll. of Tech.)		Uniform generators of the Brauer group of affine diagonal quadrics	10
11	Tomohiro Iwami (Kyushu Sangyo Univ.)	*	Kawamata conjecture in the sense of Iskovskikh–Shokurov and variation of mixed Hodge structures for the associated algebraic fiber spaces	10
12	Humihiko Watanabe (Kitami Inst. of Tech.)	*	Twisted cohomology of the complement of theta divisors having normal crossings	10
13	Kenta Watanabe (Osaka Univ.)	*	On the splitting of Lazarsfeld–Mukai bundles of rank 2 on K3 surfaces	10
14	Kiwamu Watanabe (Saitama Univ.)	*	Fano manifolds with nef tangent bundle and large Picard number	15
15	Tomoaki Shirato (Nagoya Univ.)		Frobenius splitting for some elliptic surfaces	15
16	Yukiko Konishi (Kyoto Univ.) Satoshi Minabe (Tokyo Denki Univ.)		Mixed Frobenius structure and local quantum cohomology	10
17	Makoto Sakurai		Tannakian categories and chiral fermions	15
18	Tetsuya Ando (Chiba Univ.)		Discriminants of homogeneous inequalities	15
19	Shigeru Iitaka (Gakushuin Univ.*)		Ultimate perfect numbers and φ- perfect numbers	10

17:15–18:15 Talk Invited by Algebra Section

Kazushi Ueda (Osaka Univ.)$^\flat$ Moduli of relations of quivers

March 22nd (Sun) Conference Room Ib (1013 (1F))

9:30–12:00

20	Michio Yoshiwaki (Osaka City Univ.)	*	Relative derived dimensions for cotilting modules	10
21	Hirotaka Koga (Tokyo Denki Univ.)		Rings derived equivalent to $\mathbb{Z}$	10
22	Satoshi Yamanaka (Okayama Univ.)		On weakly separable polynomials in skew polynomial rings	10
23	Gahee Kim (Shizuoka Univ.) Sho Matsuzawa (Shizuoka Univ.)		Calabi–Yau property of 3-dimensional quadratic AS-regular algebras	10
24	Kenta Ueyama (Hirosaki Univ.)		Cyclic ample groups acting on the graded down-up algebra $A(0,1)$	10
25	Yoshifumi Tsuchimoto (Kochi Univ.)		On structure of non commutative projective varieties as non commutative Kähler maifolds	15
26	Daiki Obara (Tokyo Univ. of Sci.)		On the Hochschild cohomology ring modulo nilpotence of the quiver algebra defined by c cycles and a quantum-like relation	15

27	Tomohiro Itagaki Katsunori Sanada	(Tokyo Univ. of Sci.) (Tokyo Univ. of Sci.)	Notes on the Hochschild homology dimension and truncated cycles	10
28	Ryo Kanda	(Nagoya Univ.) ♭	Minimal atoms in Grothendieck categories	15
29	Masashi Kosuda	(Univ. of Ryukyus) ♭	Coxeter elements of the symmetric groups whose powers afford the longest	10

13:15–14:15 Talk Invited by Algebra Section

Jun-ichi Miyachi (Tokyo Gakugei Univ.) ♭ Homotopy categories and derived categories of N-complexes

March 23rd (Mon) Conference Room Ib (1013 (1F))

9:30–11:45

30	Masanori Ando	(Wakhok Univ.)	Odd number and tranpezoidal number	10
31	Shuhei Kamioka	(Kyoto Univ.)	Application of biorthogonal polynomials and the discrete two-dimensional Toda molecule to rhombus tilings	10
32	Tsunekazu Nishinaka	(Okayama Shoka Univ.)	On primitivity of non-noetherian group algebras	10
33	Kenichi Shimizu	(Nagoya Univ.)	Frobenius properties of tensor functors	15
34	Hironori Oya	(Univ. of Tokyo)	The representations of quantized function algebras and the transition matrices between canonical bases and PBW bases	15
35	Fumihito Oda Hokuto Idei	(Kinki Univ.) (Yamagata Univ.)	The table of marks, the Kostka matrix, and the character table of the symmetric group	10
36	Hiroki Ishioka Naoko Kunugi	(Tokyo Univ. of Sci.) (Tokyo Univ. of Sci.)	Brauer indecomposability of Scott modules	15
37	Katsushi Waki	(Yamagata Univ.)	Subgroups of J_4 for amalgamation	10
38	Masahiko Miyamoto Matthew Krauel	(Univ. of Tsukuba) (Univ. of Cologne)	Representation of regular commutant	10

14:15–14:30 Presentation Ceremony for the 2015 MSJ Algebra Prize

14:30–15:30 Award Lecture for the 2015 MSJ Algebra Prize

Syu Kato (Kyoto Univ.) On affine highest weight categories arising from quantum groups and Hecke algebras and its applications

15:45–18:30

39	Akinari Hoshi	(Niigata Univ.)	Birational classification of fields of invariants for groups of order 128	15
40	Tomohiro Ooto	(Univ. of Tsukuba)	Quadratic approximation in the field of formal Laurent series	10
41	Hajime Kaneko	(Univ. of Tsukuba)	On the nonzero digits of the beta expansions of algebraic numbers	15
42	Tomoya Machide	(Nat. Inst. of Information)	On congruence identities of regularized multiple zeta values	10
43	Masataka Ono Shuji Yamamoto	(Keio Univ.) (Keio Univ.)	Shuffle product of finite multiple polylogarithms	15

44	Shin-ya Kadota (Nagoya Univ.)	A certain weighted sum formula for multiple zeta values	10
45	Takuya Okamoto (Nippon Inst. of Tech.) Tomokazu Onozuka (Nagoya Univ.)	Functional equation for the Mordell–Tornheim multiple zeta-function	10
46	Takuya Okamoto (Nippon Inst. of Tech.) Tomokazu Onozuka (Nagoya Univ.)	On the various mean values of the Dirichlet L-functions	10
47	Hideaki Morita (Muroran Inst. of Tech.)	Combinatorial zetas and monoids	10
48	Yukihiro Hattori (Muroran Inst. of Tech.) Hideaki Morita (Muroran Inst. of Tech.)	Koyama–Nakajima's L-functions and Ruelle zetas	15
49	Soichi Ikeda (Nagoya Univ.) ♭ Isao Kiuchi (Yamaguchi Univ.) Kaneaki Matsuoka (Nagoya Univ.)	Power moments for the double zeta-function	10
50	Hidekazu Tanaka (Tokyo Tech) ♭	Transcendence of special values of log double sine function	10

March 24th (Tue) Conference Room Ib (1013 (1F))

9:30–12:00

51	Kenichi Shimizu *	On SP numbers (II)	10
52	Takafumi Miyazaki (Nihon Univ.) *	On the sum of consecutive k-th powers and Schäffer's conjecture	10
53	Takao Komatsu (Wuhan Univ.)	Restricted and associated Stirling numbers and Bernoulli numbers	15
54	Ade Irma Suriajaya (Nagoya Univ.)	Two estimates on the zeros of $L'(s,\chi)$ under the generalized Riemann hypothesis	15
55	Yuta Suzuki (Nagoya Univ.)	On the exceptional set for the Hardy–Littlewood conjecture under the Generalized Riemann Hypothesis	10
56	Genki Shibukawa (Kyushu Univ.)	New trigonometric identities and reciprocity laws of generalized Dedekind sums	10
57	Debika Banerjee * (Harish-Chandra Research Inst.) Makoto Minamide (Yamaguchi Univ.)	On squarefree integers	10
58	Akiko Ito (Kanagawa Univ.) *	The divisibility of the class number of the imaginary quadratic field $\mathbb{Q}(\sqrt{3^{2e}-4k^n})$	10
59	Hirotaka Sato * (Tokyo Univ. of Foreign Stud.)	On the anti-cyclotomic $\mathbb{Z}_p$-extension of an imaginary quadratic number field	10
60	Daisuke Shiomi (Yamagata Univ.) *	Unit indices of global function fields	10
61	Ryo Kato (Kyoto Univ.) ♭	A remark on the Wiener–Ikehara Tauberian theorem	10

14:15–15:30

62	Kazuaki Tajima (Tohoku Univ.)	GIT stratification of reductive group actions in the non-split case	10
63	Yu Yasufuku (Nihon Univ.)	Integer points in orbits in one- and higher-dimensions	15
64	Yoshiyasu Ozeki (Kyoto Univ.)	On weak Liu modules	10
65	Mariko Ohara (Tohoku Univ.)	Algebraic K-theory of quasi-coherent modules over spectral schemes and the representation in affine case	15
66	Tomomi Ozawa (Tohoku Univ.)	Constant terms of Eisenstein series defined over a totally real field	15

15:45–16:45 Talk Invited by Algebra Section

Shunsuke Yamana (Kyushu Univ.)$^\flat$ Exterior cube L-functions for $GL(6)$

Geometry

March 21st (Sat) Conference Room Ⅲa (1031 (3F))

9:50–12:00

1	Hirotaka Ebisui (Oval Research Center)	Drawing theorem and some compositions on the tangent of Doval (algebric 4th oder curve)	5
2	Hirotaka Ebisui (Oval Research Center)	5 compositions of star star teorem	5
3	Hiroaki Izumi (Hiroshima Univ.)	Mathematical formulization of phase transition and a branch of a concept or a power	10
4	Tomonori Fukunaga (Kyushu Sangyo Univ.) Masatomo Takahashi (Muroran Inst. of Tech.)	On convexity of frontals in the Euclidean plane	15
5	Shun'ichi Honda (Muroran Inst. of Tech.) Masatomo Takahashi (Muroran Inst. of Tech.)	Evolutes of framed curves in the Euclidean space	15
6	Kenji Kajiwara (Kyushu Univ.) Toshinobu Kuroda (Kyushu Univ.) Nozomu Matsuura (Fukuoka Univ.)	Conformal deformation of discrete plane curves and discrete Burgers hierarchy I	10
7	Nozomu Matsuura (Fukuoka Univ.) Kenji Kajiwara (Kyushu Univ.) Toshinobu Kuroda (Kyushu Univ.)	Conformal deformation of discrete plane curves and discrete Burgers hierarchy II	10
8	Tomoshige Yukita (Waseda Univ.)	Classification of hyperbolic Coxeter polytopes with 6 faces and their growth rates	15
9	Yohei Komori (Waseda Univ.)	Coxeter garlands and 2-Salem numbers	15

14:15–15:40

10	Atsufumi Honda (Miyakonojo Nat. Coll. of Tech.) *	Duality of singularities for spacelike CMC surfaces in Minkowski space	10
11	Makoto Sakaki (Hirosaki Univ.) *	On the structure equations and the curvature ellipse of minimal surfaces in product spaces	10
12	Norihisa Ikoma (Tohoku Univ.) * Andrea Malchiodi (SISSA) Andrea Mondino (ETH, Zürich)	Existence of Willmore type tori with small area	15
13	Katsuhiro Moriya (Univ. of Tsukuba)	Simple factor dressing of a minimal surface	10
14	Yu Kawakami (Kanazawa Univ.) Reiko Aiyama (Univ. of Tsukuba) Kazuo Akutagawa (Tokyo Tech)	The Gauss map and total curvature of complete minimal Lagrangian surfaces in the complex two-space	15
15	Katsuei Kenmotsu (Tohoku Univ.*)	The classification of the surfaces with parallel mean curvature vector in two-dimensional complex space forms, revisited	15

15:50–16:50 Talk Invited by Geometry Section

Nozomu Matsuura (Fukuoka Univ.) Deformations of discrete curves

17:00–18:00 Talk Invited by Geometry Section

Wenjiao Yan (Tohoku Univ./Beijing Normal Univ.) ♭ Isoparametric foliation and Yau's conjecture on the first eigenvalue

March 22nd (Sun) Conference Room Ⅲb (1001 (B1F))

9:30–12:00

16	Tuerxunmaimaiti Yaermaimaiti * (Nagoya Inst. of Tech.) Toshiaki Adachi (Nagoya Inst. of Tech.)	(p,q)-Laplacians of regular Kaehler graphs	15
17	Keita Kunikawa (Tohoku Univ.)	Bernstein theorem for ancient solutions to the mean curvature flow	10
18	Keita Kunikawa (Tohoku Univ.)	Bernstein theorem of translating solitons in higher codimension	10
19	Hajime Koba (Waseda Univ.) * Yoshikazu Giga (Univ. of Tokyo) Chun Liu (Pennsylvania State Univ.)	On fluid-flow on an evolving hypersurface	15
20	Tatsuyoshi Hamada (Fukuoka Univ./Osaka City Univ.)	On star-Ricci flat real hypersurfaces of complex space forms	10
21	Makoto Kimura (Ibaraki Univ.)	Gauss map of real hypersurfaces in complex projective space and submanifolds in complex 2-plane Grassmannian	15
22	Sadahiro Maeda (Saga Univ.) * Toshiaki Adachi (Nagoya Inst. of Tech.)	Some remarks on ruled real hypersurfaces in a nonflat complex space form	15
23	Kazuyuki Hasegawa (Kanazawa Univ.)	Twistor holomorphic affine surfaces and projective invariants	10
24	Masaro Takahashi (Kurume Nat. Coll. of Tech.) Oscar Macia (Univ. of Valencia) Yasuyuki Nagatomo (Meiji Univ.)	Holomorphic isometric embeddings of the projective line into quadrics	15

13:00–14:15

25	Naoyuki Koike (Tokyo Univ. of Sci.)	Homogeneity by a Banach Lie group action of infinite dimensional anti-Kähler isoparametric submanifolds	15
26	Kotaro Kawai (Univ. of Tokyo)	Some associative submanifolds of the squashed 7-sphere	15
27	Hideya Hashimoto (Meijo Univ.) Misa Ohashi (Nagoya Inst. of Tech.)	On G_2, $\mathit{Spin}(7)$-orbit decomposition of Stiefel manifolds related to Octonions and its applications	10
28	Takayuki Okuda (Hiroshima Univ.) Osamu Ikawa (Kyoto Inst. Tech.) Hiroshi Iriyeh (Tokyo Denki Univ.) Takashi Sakai (Tokyo Metro. Univ.) Hiroyuki Tasaki (Univ. of Tsukuba)	The intersection of two real flag manifolds in a complex flag manifold	15

March 23rd (Mon) Conference Room IIIa (1031 (3F))

9:45–12:00

29	Shigehiro Sakata (Waseda Univ.)	The location of centers of a body with the outer cone condition	15
30	Akifumi Sako (Tokyo Univ. of Sci.) * Toshiya Suzuki (Kushiro Nat. Coll. of Tech.) Hiroshi Umetsu (Kushiro Nat. Coll. of Tech.)	Feature of gauge theory on noncommutative homogeneous Kähler manifold	15
31	Masanori Adachi (GAIA, POSTECH/Nagoya Univ.)	A CR proof for a global estimate of the Diederich–Fornaess index of Levi-flat real hypersurfaces	15
32	Daisuke Tarama (Kyoto Univ.)	Stability analysis for the free rigid body dynamics on normal and compact real forms of complex semi-simple Lie algebras	15
33	Hiroshi Sawai * (Numazu Nat. Coll. of Tech.)	Necessary conditions for LCK structures on compact solvmanifolds	15
34	Hisashi Kasuya (Tokyo Tech) ♭	Flat bundles and hyper-Hodge decomposition on solvmanifolds	10
35	Hisashi Kasuya (Tokyo Tech) ♭	Cohomologies of Sasakian groups and Sasakian solvmanifolds	10
36	Hisashi Kasuya (Tokyo Tech) ♭	Tamed symplectic structures of solvmanifolds	10

14:15–16:45

37	Hikaru Yamamoto (Univ. of Tokyo)	Ricci-mean curvature flows in gradient shrinking Ricci solitons	15
38	Ryosuke Takahashi (Nagoya Univ.)	On the modified Futaki invariant of complete intersections in projective spaces	15
39	Shunsuke Saito (Univ. of Tokyo)	On the vanishing of the modified Futaki invariants	10
40	Homare Tadano (Osaka Univ.)	Gap theorems for Harmonic-Ricci solitons	15
41	Homare Tadano (Osaka Univ.)	A lower bound for the generalized scalar curvature of Harmonic-Ricci solitons	10
42	Takayuki Moriyama (Mie Univ.)	Smoothness of deformations of submanifolds characterized by differential forms	15
43	Mamoru Doi * Naoto Yotsutani (Fudan Univ.)	A new example of Calabi–Yau 3-folds by the doubling construction	15

44	Mamoru Doi Naoto Yotsutani	 (Fudan Univ.)	*	Doubling construction of Calabi–Yau 4-folds from toric Fano 4-folds	10
45	Kota Hattori	(Keio Univ.)	*	Compact special Lagrangian submanifolds embedded in hyper-Kähler manifolds	15

17:00–18:00 Talk Invited by Geometry Section

Yuji Odaka	(Kyoto Univ.)	*	Moduli of Kähler–Einstein manifolds and their canonical compactifications	

March 24th (Tue) Conference Room Ⅲa (1031 (3F))

9:30–12:00

46	Vasile Sorin Sabau Jin-ichi Itoh	(Tokai Univ.) (Kumamoto Univ.)		On the cut locus of a family of Finsler manifolds	15
47	Tetsuya Nagano	(Univ. of Nagasaki)		On reversible geodesics in Finsler space	15
48	Nobuhiro Innami	(Niigata Univ.)		Geodesics in a Finsler 2-torus of revolution	10
49	Mitsuhiro Itoh Hiroyasu Satoh	(Univ. of Tsukuba) (Nippon Inst. of Tech.)		Fisher information geometry of geodesics and barycenter map	10
50	Mitsuhiro Itoh Hiroyasu Satoh	(Univ. of Tsukuba) (Nippon Inst. of Tech.)		Harmonic Hadamard manifolds and Gauss hypergeometric differential equations	10
51	Kei Kondo Minoru Tanaka	(Yamaguchi Univ.) (Tokai Univ.)		Bi-Lipschitz diffeomorphism theorem via the notion of nonsmooth analysis	15
52	Ryunosuke Ozawa	(Tohoku Univ.)		Metric on the space of quantum metric measure spaces	15
53	Takashi Shioya	(Tohoku Univ.)		Estimate of isodiametric constant for closed surfaces	10
54	Ayato Mitsuishi Takao Yamaguchi	(Tohoku Univ.) (Kyoto Univ.)	*	Collapsing three-dimensional Alexandrov spaces with boundary	15

14:15–15:50

55	Tatsuki Seto	(Nagoya Univ.)		Toeplitz operators and the Roe–Higson type index theorem	15
56	Mamoru Tanaka	(Tohoku Univ.)		Property $(T_{L^{\Phi}})$ for Orlicz spaces L^{Φ}	15
57	Ryosuke Mineyama Shin-ichi Oguni	(Osaka Univ.) (Ehime Univ.)		Coarse geometry of the Hilbert metric	15
58	Tomohiro Fukaya	(Tohoku Univ.)		Coronae of product spaces and the coarse Baum–Connes conjecture	15
59	Masato Mimura Hiroki Sako	(Tohoku Univ.) (Niigata Univ.)	*	Group approximations in Cayley topology and coarse geometry: part II: Fibered coarse embeddings	15

16:00–17:00 Talk Invited by Geometry Section

Ayato Mitsuishi	(Tohoku Univ.)	♭	Topology of Alexandrov spaces	

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Complex Analysis

March 23rd (Mon) Conference Room VII (1126 (12F))

9:30–11:45

1	Saburou Saitoh (Gunma Univ.*/Inst. of Reproducing Kernels) Masao Kuroda (Gunma Univ.*) Hiroshi Michiwaki (NejiLaw Inc.) Masami Yamane (Inst. of Reproducing Kernels)	*	New meanings of the division by zero and interpretations on 100/0= 0 and on 0/0=0	15
2	Saburou Saitoh (Gunma Univ.*/Inst. of Reproducing Kernels) Hiroshi Michiwaki (NejiLaw Inc.) Masako Takagi (Inst. of Reproducing Kernels)	*	A new concept for the point at infinity and the division by zero z/0=0 (note)	15
3	Rikio Yoneda (Otaru Univ. of Commerce)	*	The Fredholm Toeplitz operator and the Berezin transform	10
4	Kiyoki Tanaka (Osaka City Univ.) Masaharu Nishio (Osaka City Univ.)		Boundary behavior of harmonic Bergman kernels	15
5	Hiroaki Aikawa (Hokkaido Univ.)		Construction of a domain which fails to satisfy the global boundary Harnack principle with the aid of the Helmholtz equation	15
6	Nobushige Toda (Nagoya Inst. of Tech.*)	*	On the defect relation for holomorphic curves	15
7	Hiroki Sumi (Osaka Univ.)		Randomness-induced phenomena and negativity of Lyapunov exponents in random dynamical systems of complex polynomials	15
8	Shunsuke Morosawa (Kochi Univ.)		On dynamics of rational semigroups whose Julia sets are Cantor targets	15

14:15–14:45

9	Hideki Miyachi (Osaka Univ.)		Spirals and the asymptotic Teichmüller space	15
10	Hiromi Ohtake (Kyoto Univ. of Edu.)	*	On isometric mappings from the unit disk to Teichmüller spaces	15

15:10–16:10 Talk Invited by Complex Analysis Section

Hiroshige Shiga (Tokyo Tech) On the deformation spaces of Kleinian groups

16:25–17:25 Award Lecture for 2014 Analysis Prize

Hidetaka Hamada (Kyushu Sangyo Univ.) Approximation of holomorphic mappings on spirallike domains in $\mathbb{C}^n$

March 24th (Tue) Conference Room VII (1126 (12F))

9:30–11:45

11	Atsuhira Nagano (Waseda Univ.)	Icosahedral invariants and Shimura curves	10
12	Atsuhira Nagano (Waseda Univ.)	Icosahedral invariants and CM points	10

13	Takayuki Koike (Univ. of Tokyo) *	On the minimality of canonically attached singular Hermitian metrics on certain nef line bundles	10
14	Katsusuke Nabeshima (Univ. of Tokushima) Shinichi Tajima (Univ. of Tsukuba)	An extended ideal membership algorithm in a local ring	15
15	Shinichi Tajima (Univ. of Tsukuba) Katsusuke Nabeshima (Univ. of Tokushima)	Integral dependence relations and local cohomology	15
16	Kohei Ueno (Daido Univ.) *	Böttcher coordinates at superattracting fixed points of holomorphic skew products	15
17	Tomoko Shinohara (Tokyo Metro. Coll. of Ind. Tech.)	Local dynamics at an indeterminate point of Newton's method	15
18	Junichi Mukuno (Nagoya Univ.) Yoshikazu Nagata (Nagoya Univ.)	On the automorphism groups of unbounded homogeneous domains with the boundaries of light cone type	15
19	Atsushi Yamamori (POSTECH) Hyeseon Kim (POSTECH) Van Thu Nihn (POSTECH)	The autormophism group of a certain unbounded Reinhardt domain	10

14:15–15:10

20	Akio Kodama (Kanazawa Univ.) ♭	On the holomorphic automorphism group of a generalized Hartogs triangle and a related question	15
21	Tatsuhiro Honda (Hiroshima Inst. of Tech.) Ian Graham (Univ. of Toronto) Hidetaka Hamada (Kyushu Sangyo Univ.) Gabriela Kohr (Babeş-Bolyai Univ.) Kwang Ho Shon (Pusan National Univ.)	Sufficient conditions for univalence and starlikeness in complex Banach spaces	15
22	Sachiko Hamano (Fukushima Univ.) * Masakazu Shiba (Hiroshima Univ.⋆) Hiroshi Yamaguchi (Shiga Univ.⋆)	Hyperbolic span and pseudoconvexity	15

15:30–16:30 Talk Invited by Complex Analysis Section

Yusaku Tiba (Tokyo Tech) A minimum principle of a maximal plurisubharmonic function and its application to the complex Monge–Ampère equation

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Functional Equations

March 21st (Sat) Conference Room Va (1063 (6F))

9:15–12:00

1	Mika Tanda (Kinki Univ.) Takashi Aoki (Kinki Univ.)	The hypergeometric function and WKB solutions	10

2	Toshinori Takahashi (Kinki Univ.) Kohei Iwaki (Kyoto Univ.) Takashi Aoki (Kinki Univ.)	Exact WKB analysis of Schrödinger equation with a Stokes curve of loop type	10
3	Yoshiaki Goto (Kobe Univ.)	Contiguity relations of Lauricella's F_D and contingency tables	10
4	Youko Umeta (Tokyo Univ. of Sci.) Shinichi Tajima (Univ. of Tsukuba) Toshinori Oaku (Tokyo Woman's Christian Univ.)	On the monodromy structure of holonomic D-modules associated with simple line singularities	10
5	Masafumi Yoshino (Hiroshima Univ.) Yoshinari Tanaka (Nat. Inst. for Environ. Stud.)	behavior of the system for three species with evolutional character	10
6	Masafumi Yoshino (Hiroshima Univ.) Hiroshi Yamazawa (Shibaura Inst. of Tech.)	Borel summability of formal solutions of system of semilinear partial differential equations	10
7	Yoshikatsu Sasaki (Hiroshima Univ.) Yoshino Masafumi (Hiroshima Univ.)	Nonintegrability of Hamiltonian system perturbed from integrable system with two singular points	10
8	Kodai Fujimoto (Osaka Pref. Univ.) Naoto Yamaoka (Osaka Pref. Univ.)	Existence of limit cycles for Liénard type systems with mean curvature operator	10
9	Tomoyuki Tanigawa (Kumamoto Univ.)	Existence of positive solutions of fourth order sub-half-linear differential equations	10
10	Tetsutaro Shibata (Hiroshima Univ.)	Global and local behavior of oscillatory bifurcation curve	10
11	Hiroyuki Usami (Gifu Univ.) * Huyen Trang Tran Thi (Gifu Univ.)	Asymptotic behavior of solutions of a Lanchester-type model	10
12	Seiji Saito (Doshisha Univ.)	On Graef–Qian's theorem of difference equations	10
13	Motohiro Sobajima (Univ. of Salento) Giorgio Metafune (Univ. of Salento) Noboru Okazawa (Tokyo Univ. of Sci.) Chiara Spina (Univ. of Salento)	Analytic semigroups generated by $\|x\|^{\alpha}\Delta$ with singular lower-order terms	10
14	Motohiro Sobajima (Univ. of Salento) Giorgio Metafune (Univ. of Salento)	Spectral properties of non-selfadjoint extensions of Calogero Hamiltonian	10
15	Fumihiko Hirosawa (Yamaguchi Univ.) Marcelo Rempel Ebert (Univ. de São Paulo) Fitriana Laila (Yamaguchi Univ.)	On the energy estimates of the wave equation with time dependent propagation speed asymptotically monotone functions	10

14:15–16:30

16	Wataru Ichinose (Shinshu Univ.)	The Feynman path integral for the Dirac equation (1), the electron going across the infinite past and future	10
17	Wataru Ichinose (Shinshu Univ.)	The Feynman path integral for the Dirac equation (2), Causality (finite propagation property not exceeding c)	10
18	Sojiro Murai (Univ. of Electro-Comm.) * Kiyoshi Mochizuki (Tokyo Metro. Univ.*/Chuo Univ.)	Smoothing and Strichartz estimates for wave equation in an exterior domain	10

19	Masato Hashizume (Osaka City Univ.) Futoshi Takahashi (Osaka City Univ.)	L^p-Lyapunov inequality on Neumann boundary condition	10
20	Shinji Adachi (Shizuoka Univ.) Tatsuya Watanabe (Kyoto Sangyo Univ.)	Asymptotic uniqueness of ground states of quasilinear elliptic equations with H^1-supercritical exponent	10
21	Yohei Sato (Saitama Univ.) * Masataka Shibata (Tokyo Tech)	Remark on Nehari type condition for a least energy solution of semilinear elliptic equations	10
22	Kenichiro Umezu (Ibaraki Univ.) * Humberto Ramos Quoirin (Univ. de Santiago de Chile)	On the role of indefinite weights in the positive solutions set for an elliptic boundary value problem with convex-concave mixed nonlinearity	10
23	Ryo Takahashi (Osaka Univ.) Takashi Suzuki (Osaka Univ.) Xiao Zhang (Osaka Univ.)	Extremal boundedness of a variational functional in point vortex mean field theory associated with probability measures	10
24	Kotaro Watanabe (Nat. Defense Acad. of Japan) Naoki Shioji (Yokohama Nat. Univ.)	L^p elastic closed curves and flat-core solutions on $\mathbf{S}^2(G)$	10
25	Atsushi Kosaka (Osaka City Univ.) Yasuhito Miyamoto (Univ. of Tokyo)	Structure of solutions to the Emden–Fowler equation on a spherical cap	10
26	Yasuhito Miyamoto (Univ. of Tokyo)	Nonradial maximizers for a Hénon type problem and Liouville–Gel'fand problem	10
27	Ryuji Kajikiya (Saga Univ.)	Symmetric mountain pass lemma and sublinear elliptic equations	10

16:50–17:50 Talk Invited by Functional Equations Section

Kazuyuki Yagasaki (Kyoto Univ.) Existence and bifurcation of positive radial solutions in elliptic equations

March 22nd (Sun) Conference Room Vb (1103 (10F))

9:15–12:00

28	Toshiharu Kawasaki (Tamagawa Univ.) Masashi Toyoda (Tamagawa Univ.)	Fixed point theorem and fractional differential equation with multiple delays	10
29	Tatsuya Miura (Univ. of Tokyo)	Singular limit of an adhesive obstacle problem	10
30	Toshikazu Kuniya (Kobe Univ.)	Asymptotic behavior of age-structured SIS epidemic models with spatial heterogeneity	10
31	Saori Nakamori (Hiroshima Univ.) Kazuhiro Takimoto (Hiroshima Univ.)	Bernstein type theorem for the parabolic k-Hessian equation	10
32	Masato Iida (Univ. of Miyazaki) Hideki Murakawa (Kyushu Univ.) Harunori Monobe (Meiji Univ.) Hirokazu Ninomiya (Meiji Univ.)	Generalization of fast reaction limit for a two-component system	10
33	Hiroshi Matsuzawa (Numazu Nat. Coll. of Tech.) Yuki Kaneko (Waseda Univ.)	Spreading speed and sharp asymptotic profiles of solutions in free boundary problems for nonlinear advection-diffusion equations	10

34	Tatsuki Mori (Ryukoku Univ.) Kousuke Kuto (Univ. of Electro-Comm.) Tohru Tsujikawa (Univ. of Miyazaki) Shoji Yotsutani (Ryukoku Univ.)	Profile of global bifurcation sheet and diagrams of a reaction-diffusion model for cell polarization	10
35	Noriaki Umeda (Meiji Univ.)	On blow-up at space infinity for semilinear heat equations with inhomogeneous terms	10
36	Hiroshi Kamiya (Osaka Pref. Univ.)	Life span of solutions for a semilinear heat equation with a large exponent	10
37	Junichi Harada (Akita Univ.) *	Possibility of nonsimultaneous blow-up for a complex valued semilinear heat equation	10
38	Goro Akagi (Kobe Univ.)	Stability of non-isolated asymptotic profiles for fast diffusion	10
39	Kazuhiro Ishige (Tohoku Univ.) Ryuichi Sato (Tohoku Univ.)	Heat equation with a nonlinear boundary condition and uniformly local L^r spaces	10
40	Yohei Fujishima (Osaka Univ.) *	On the effect of higher order derivatives of initial data on the blow-up set for a semilinear heat equation	10
41	Shigeru Sakaguchi (Tohoku Univ.) *	Stationary isothermic surfaces and curves have some symmetry	10

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

Hiroyoshi Mitake (Hiroshima Univ.) ♭ Large-time asymptotics and selection problems for degenerate viscous Hamilton–Jacobi equations

March 23rd (Mon) Conference Room Va (1063 (6F))

9:30–12:00

42	Koichi Osaki (Kwansei Gakuin Univ.) * Etsushi Nakaguchi (Tokyo Med. Dent. Univ.)	L_p-estimates of solutions to n-dimensional parabolic-parabolic chemotaxis system with weak degradation	10
43	Sachiko Ishida (Tokyo Univ. of Sci.)	Boundedness in chemotaxis-Navier–Stokes systems with position dependent sensitivity in 2D domains	10
44	Kentarou Fujie (Tokyo Univ. of Sci.) Takasi Senba (Kyushu Inst. of Tech.)	Global existence and boundedness in a parabolic-elliptic Keller–Segel system with general sensitivity	10
45	Noriko Mizoguchi (Tokyo Gakugei Univ.)	Type II blowup in the doubly parabolic Keller–Segel system in the two dimension	10
46	Yuta Wakasugi (Osaka Univ.) * Kenji Nishihara (Waseda Univ.)	Critical exponent for a system of semilinear damped wave equations	10
47	Kunio Hidano (Mie Univ.) * Chengbo Wang (Zhejiang Univ.) Kazuyoshi Yokoyama (Hokkaido Univ. of Sci.)	Combined effects of two nonlinearities in lifespan of small solutions to semi-linear wave equations	10
48	Shigehiro Sakata (Waseda Univ.) Yuta Wakasugi (Osaka Univ.)	Movement of spatial maximizers of the solution of the damped wave equation	10
49	Hiroshi Takeda (Fukuoka Inst. of Tech.) *	Large time behavior of solutions for a nonlinear damped plate equation	10

50	Takamori Kato (Nagoya Univ.)	Invariant measure for the periodic fourth order Schrödinger equation	10
51	Shinya Kinoshita (Nagoya Univ.) *	The Cauchy problem of nonlinear Schrödinger equations below L^2	10
52	Kota Uriya (Tohoku Univ.) * Tsukasa Iwabuchi (Chuo Univ.)	On the ill-posedness for a quadratic nonlinear Schrödinger equation	10
53	Toshiyuki Suzuki (Kanagawa Univ. / Kogakuin Univ.)	Scattering problem for Hartree equations with inverse-square potentials	10

14:15–16:00

54	Yoshihisa Nakamura (Kumamoto Univ.) * Akihiro Shimomura (Univ. of Tokyo) Satoshi Tonegawa (Nihon Univ.)	Global existence and asymptotic behavior of solutions to some nonlinear systems of Schrödinger equations	10
55	Yohei Yamazaki (Kyoto Univ.) *	Transverse instability for nonlinear Schrödinger equation with a linear potential	10
56	Gaku Hoshino (Waseda Univ.) Tohru Ozawa (Waseda Univ.)	Space-time analytic smoothing effect for the global solutions to the pseudo conformally invariant Schrödinger equations	10
57	Reinhard Farwig (TU Darmstadt) * Yoshikazu Giga (Univ. of Tokyo) Penyuan Hsu (Tokyo Tech)	Initial values for the Navier–Stokes equations in spaces with weights in time	10
58	Ken Abe (Nagoya Univ.) Yoshikazu Giga (Univ. of Tokyo) Katharina Schade (TU Darmstadt) Takuya Suzuki (Univ. of Tokyo)	On the Stokes semigroup in some non-Helmholtz domains	10
59	Tsubasa Itoh (Tokyo Tech) Hideyuki Miura (Tokyo Tech) Tsuyoshi Yoneda (Tokyo Tech)	Remark on single exponential bound of the vorticity gradient for the two-dimensional Euler flow around a corner	10
60	Yasunori Maekawa (Tohoku Univ.) Hideyuki Miura (Tokyo Tech)	On Ukai-type solution formula for the Stokes system in a domain with graph boundary	10
61	Teppei Kobayasi (Meiji Univ.) *	A stationary solution of the Navier–Stokes equations in a perturbed layer domain in $\mathbb{R}^3$	10
62	Toshiaki Hishida (Nagoya Univ.) ♭	Asymptotic structure of steady Stokes flow around a rotating obstacle in two dimensions	10

16:20–17:20 Award Lecture for 2014 Analysis Prize

Kazuhiro Ishige (Tohoku Univ.) Concavity properties of solutions for parabolic equations

March 24th (Tue) Conference Room Va (1063 (6F))

9:30–11:30

63	Tetu Makino (Yamaguchi Univ.) *	On spherically symmetric solutions to the Einstein–Euler equations	10
64	Naofumi Mori (Kyushu Univ.) Shuichi Kawashima (Kyushu Univ.)	Dissipative structure and nonlinear stability for the dissipative Timoshenko system	10
65	Hirotada Honda (Keio Univ.) Atusi Tani (Keio Univ.⋆)	Large-time solvability of primitive equations for the ocean with free surface	10

66	Hiroki Ueno Tatsuo Iguchi	(Keio Univ.) (Keio Univ.)	A mathematical justification of the thin film approximation for the flow down an inclined plane	10
67	Noboru Chikami Raphaël Danchin	(Tohoku Univ.) * (Univ. Paris-Est)	On the well-posedness of the full compressible Navier–Stokes system in critical Besov spaces	10
68	Kazuyuki Tsuda	(Kyushu Univ.)	Time-periodic problem for the compressible Navier–Stokes–Korteweg system on the whole space	10
69	Ryouta Oomachi	(Kyushu Univ.)	Stability of time periodic solution of incompressible Navier–Stokes equation on the half-space under oscillatory moving boundary condition	10
70	Yoshiyuki Kagei Takaaki Nishida	(Kyushu Univ.) (Kyoto Univ.)	Instability of plane Poiseuille flow in viscous compressible gas	10
71	Miho Murata Matthias Hieber	(Waseda Univ.) (TU Darmstadt)	On the local in time unique existence to the Fluid–Rigid body interaction problem for compressible fluids	10
72	Senjo Shimizu Shintaro Yagi	(Shizuoka Univ.) (Shizuoka Univ.)	On local L_p-L_q well-posedness of incompressible two-phase flows with phase transitions: Non equal densities with large initial data	10

14:15–15:15

73	Hirokazu Saito Matthias Hieber	(Waseda Univ.) (TU Darmstadt)	Strong solutions for two-phase free boundary problems for a class of non-Newtonian fluids	10
74	Yoshihiro Shibata	(Waseda Univ.)	Local well-posedness of compressible-incompressible two-phase flows with phase transitions	10
75	Yoshihiro Shibata	(Waseda Univ.)	On the L_p-L_q maximal regularity theorem arising in the study of the compressible-incompressible two phase flow with phase transition	10
76	Yoshihiro Shibata	(Waseda Univ.)	On strong dynamics of compressible nematic liquid crystals	10
77	Yoshihiro Shibata	(Waseda Univ.)	On the global wellposedness of strong dynamics of compressible nematic liquid crystals in $\mathbb{R}^N$	10

15:30–16:30 Talk Invited by Functional Equations Section

Satoshi Masaki (Hiroshima Univ.) ♭ On mass-subcritical nonlinear Schrödinger equation

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Real Analysis

March 21st (Sat) Conference Room IX (1136 (13F))

9:30–12:00

1	Noriaki Yoshino Tomomi Yokota	(Tokyo Univ. of Sci.) (Tokyo Univ. of Sci.)	An operator theoretic approach to a quasi-linear degenerate parabolic-elliptic Keller–Segel system	15
2	Kentarou Fujie	(Tokyo Univ. of Sci.)	Global existence and asymptotic behavior in a chemotaxis-growth model for tumor invasion	15
3	Yutaka Tsuzuki	(Tokyo Univ. of Sci.)	Solvability of heat equations with hysteresis coupled with Navier–Stokes equations in 2D and 3D domains	15

4	Kota Kumazaki (Tomakomai Nat. Coll. of Tech.)	On a system of parabolic type equations with a hysteresis operator	15
5	Akio Ito (Kinki Univ.)	Asymptotic behavior of global-in-time solutions to 1D tumor invasion model of Chaplain–Anderson type with quasi-variational structure	15
6	Hirokazu Komatsu (Kinki Univ.) Akio Ito (Kinki Univ.) Hiroyuki Nakajima (Kinki Univ.)	Non-negativity and boundedness of solutions to non-autonomous ordinary differential equations	15
7	Akio Ito (Kinki Univ.) Atsushi Kadoya (Hiroshima Shudo Univ.) Kazuhiko Yamamoto (Kinki Univ.)	Numerical simulation of the systems of ordinary differential equations arising from Cardiac hypertrophy-related factor network	15
8	Keisuke Takasao (Kanagawa Univ.) *	Existence of mean curvature flow via Allen–Cahn equation with constraints	15
9	Noriaki Yamazaki (Kanagawa Univ.) Takeshi Fukao (Kyoto Univ. of Edu.) M. Hassan Farshbaf-Shaker (WIAS)	Numerical simulations of Allen–Cahn equation with constraints via Lagrange multiplier	15

14:15–16:30

10	Shoji Shimizu (Waseda Univ.) Mitsuharu Ôtani (Waseda Univ.)	Solvability of complex Ginzburg–Landau equation in a general domain	15
11	Shun Uchida (Waseda Univ.) Mitsuharu Ôtani (Waseda Univ.)	Exponential attractor of some autonomous double-diffusive convection system	15
12	Hiroshi Watanabe (Salesian Polytech.)	Solvability of strongly degenerate parabolic equations with variable coefficients	15
13	Takeshi Fukao (Kyoto Univ. of Edu.) Pierluigi Colli (Pavia Univ.)	Some equations and dynamic boundary conditions of Cahn–Hilliard type with singular potentials	15
14	Risei Kano (Kochi Univ.) Takeshi Fukao (Kyoto Univ. of Edu.)	The existence of solutions for the model of perfect plasticity with time dependent	15
15	Yusuke Murase (Meijo Univ.) Masahiro Kubo (Nagoya Inst. of Tech.)	Solvability of quasi-variational inequalities generated by a quasi-subdifferential operator	15
16	Ken Shirakawa (Chiba Univ.) Hiroshi Watanabe (Salesian Polytech.)	Phase-field models of grain boundary motions under non-isothermal settings	15
17	Toyohiko Aiki (Japan Women's Univ.) Oleh Krehel (TU Eindhoven) Adrian Muntean (TU Eindhoven)	Homogenization for differential equations describing change of mass of colloids	15

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

Koichi Osaki (Kwansei Gakuin Univ.) Nonlinear analysis for a chemotaxis-growth system

March 22nd (Sun) Conference Room IX (1136 (13F))

9:30–12:00

18	Yōhei Yamasaki (Yamato Univ.) *	The limit and “singular integrals of 1 veriables”	15
19	Yoshifumi Ito (Univ. of Tokushima*)	Fourier transformation of distributions in $\mathcal{D}'$	15

20	Yoshifumi Ito (Univ. of Tokushima*)	Fourier transformation of L^2_{loc}-functions	15
21	Youhei Tsutsui (Univ. of Tokyo)	Div-curl lemma with critical power weights in dimension three	15
22	Shinya Moritoh (Nara Women's Univ.)	Ostrowski's inequalities and some examples	10
23	Hironari Miyoshi (Waseda Univ.) Masayoshi Tsutsumi (Waseda Univ.)	Lifting problems for a hyperbolic surface in Sobolev spaces	10
24	Takuya Sobukawa (Waseda Univ.) Eiichi Nakai (Ibaraki Univ.)	Generalization of local Morrey–Campanato type spaces and their interpolation	15
25	Yoshiaki Okazaki (Kyushu Inst. of Tech.)	A linear quasi-metric structure of the function space $M_p(\mu)$	15
26	Yoshihiro Sawano (Tokyo Metro. Univ.)$^\flat$	Morrey-type spaces on Gauss measure spaces and boundedness of singular integrals	15
27	Yoshihiro Sawano (Tokyo Metro. Univ.)$^\flat$	Weak type inequalities for some integral operators on generalized non-homogeneous Morrey spaces	15

13:15–14:15 Talk Invited by Real Analysis Section

Neal Bez	(Saitama Univ.)	Some inequalities from geometric and harmonic analysis via induction-on-scales

March 23rd (Mon) Conference Room IX (1136 (13F))

9:30–12:00

28	Ryotaro Tanaka (Niigata Univ.) Kichi-Suke Saito (Niigata Univ.)	Recent progress on the duality of James constant	15
29	Kichi-Suke Saito (Niigata Univ.) Ryotaro Tanaka (Niigata Univ.)	New geometric properties of Banach spaces	15
30	Sachiko Atsushiba (Univ. of Yamanashi)	Convergence theorems for some classes of nonlinear mappings	15
31	Hiroyasu Mizuguchi (Niigata Univ.)	Measurements of differences between orthogonalities in normed spaces	15
32	Koji Aoyama (Chiba Univ.)	Viscosity approximation methods with a sequence of contractions	15
33	Toshiharu Kawasaki (Nihon Univ.)	Criteria for the improper Lebesgue integral	15
34	Nobusumi Sagara (Hosei Univ.) Mohammed Ali Khan (Johns Hopkins Univ.) Suzuki Takashi (Meiji Gakuin Univ.)	An Exact Fatou Lemma for Gelfand Integrals: Equivalence of the Saturation and Fatou Properties	15
35	Kiyohisa Tokunaga (Yamaguchi Univ./Fukuoka Inst. of Tech.)	Double integration by parts based on a triangular element method	15
36	Toshikazu Watanabe (Nihon Univ.) Hiroki Saito (Saitama Univ.)	Pseudometric generating property and continuity of non-additive measure taking value in an ordered vector space	15

Functional Analysis

March 21st (Sat) Conference Room VIII (1133 (13F))

10:00–12:00

1	Hiroyuki Yamagishi (Tokyo Metropolitan Coll. of Indus. Tech.) Kohtaro Watanabe (Nat. Defense Acad. of Japan) Yorimasa Oshime (Doshisha Univ.)	The best constant of L^p Sobolev inequality corresponding to periodic and Neumann boundary value problem for $(-1)^M(d/dx)^{2M}$	15
2	Takeshi Wada (Shimane Univ.) Makoto Nakamura (Yamagata Univ.)	The Cauchy problem for nonlinear Schrödinger equation in fractional order Sobolev spaces	15
3	Atsuhide Ishida (Otemon Gakuin Univ.)	Non-existence of the wave operators for the repulsive Hamiltonians	15
4	Akito Suzuki (Shinshu Univ.) Shogo Ito (Shinshu Univ.)	Hidden spectra of the discrete Schrödinger operators with density zero potentials	15
5	Hajime Moriya (Shibaura Inst. of Tech.)	Univalence superselection rule	10
6	Shûichi Ohno (Nippon Inst. of Tech.) *	Weighted composition operators on the minimal Möbius invariant space	10
7	Hideyuki Ishi (Nagoya Univ.) *	The Gindikin–Wallach set for a non-homogeneous cone	15

14:15–15:15 Talk Invited by Functional Analysis Section

Hidetoshi Tahara (Sophia Univ.) q-Analogues of Laplace and Borel transforms with application to q-difference equations

March 22nd (Sun) Conference Room VIII (1133 (13F))

9:30–12:00

8	Mariko Giga (Nippon Medical School) Mitsuru Uchiyama (Ritsumeikan Univ.) Atsushi Uchiyama (Yamagata Univ.)	Superadditivity and derivative of operator functions	15
9	Haruka Watanabe (Chiba Univ.) Albania Nugraha Imam (Chiba Univ.) Masaru Nagisa (Chiba Univ.)	Examples of operator monotone functions	15
10	Sin-Ei Takahasi (Toho Univ.) * Yasuo Nakasuji (Open Univ. of Japan)	An order-preserving function on a quotient space of strictly monotone functions and its applications	15
11	Masatoshi Ito (Maebashi Inst. of Tech.) Hiroshi Isa (Maebashi Inst. of Tech.) Eizaburo Kamei Hiroaki Tohyama (Maebashi Inst. of Tech.) Masayuki Watanabe (Maebashi Inst. of Tech.)	Shannon type inequalities of a relative operator entropy including Tsallis and Rényi ones	15
12	Yuki Seo (Osaka Kyoiku Univ.)	Hadamard product and Karcher mean of positive definite matrices	10

13	Toshikazu Abe (Niigata Univ.) Osamu Hatori (Niigata Univ.)	On generalized gyrovector spaces	15
14	Toshikazu Abe (Niigata Univ.) Osamu Hatori (Niigata Univ.)	On a Mazur–Ulam theorem for generalized gyrovector spaces and its application	15
15	Junichi Fujii (Osaka Kyoiku Univ.)	On holonomies for the curve of the operator geometric means	15
16	Yoichi Udagawa (Tokyo Univ. of Sci.) Shuhei Wada (Kisarazu Nat. Coll. of Tech.) Takeaki Yamazaki (Toyo Univ.) Masahiro Yanagida (Tokyo Univ. of Sci.)	A family of operator means including the power, power difference and Stolarsky means	10

13:15–14:15 Talk Invited by Functional Analysis Section

Hiroyuki Osaka (Ritsumeikan Univ.)	Gap problems of matrix monotone functions and matrix convex functions and their applications	

March 23rd (Mon) Conference Room Ⅷ (1133 (13F))

9:30–12:00

17	Tatsuya Tsurii (Osaka Pref. Univ.) Satoshi Kawakami (Nara Univ. of Edu.) Satoe Yamanaka (Nara Univ. of Edu.)	A hypergroup arising from representations of a finite group and its subgroup	15
18	Satoe Yamanaka (Nara Univ. of Edu.) Satoshi Kawakami (Nara Univ. of Edu.) Tatsuya Tsurii (Osaka Pref. Univ.)	A hypergroup arising from representations of a hypergroup and its subhypergroup	15
19	Ryosuke Nakahama (Univ. of Tokyo)	Norm computation and analytic continuation of vector-valued holomorphic discrete series	15
20	Toshihisa Kubo (Univ. of Tokyo)	Covariant differential operators and the Rankin–Cohen bracket	15
21	Kyo Nishiyama (Aoyama Gakuin Univ.)	Enhanced orbit embedding	15
22	Kyo Nishiyama (Aoyama Gakuin Univ.) Lucas Fresse (Univ. Lorraine)	Nilpotent variety of double flag varieties	15
23	Koichi Shimada (Univ. of Tokyo)	Classification of actions of compact abelian groups on subfactors with index less than 4	15
24	Yosuke Morita (Univ. of Tokyo)	A topological obstruction for the existence of compact quotients of homogeneous spaces	15

14:15–16:00

25	Takeshi Miura (Niigata Univ.) Tomas Tonev (Univ. of Montana)	Generalizations of multiplicatively spectrum preserving maps on function algebras	15
26	Yasuo Watatani (Kyushu Univ.) * Masatoshi Enomoto	General Brenner decomposition of the relative position of three subspaces of a Hilbert space	15
27	Yuki Arano (Univ. of Tokyo) Yosuke Kubota (Univ. of Tokyo)	A categorical approach to the Atiyah–Segal completion theorem in KK-theory	15

28	Kengo Matsumoto * (Joetsu Univ. of Edu.) Hiroki Matui (Chiba Univ.)	Full groups of Cuntz–Krieger algebras and Higman–Thompson groups	15
29	Tsuyoshi Kajiwara (Okayama Univ.) Yasuo Watatani (Kyushu Univ.)	Analysis of the cores of C*-algebras associated dynamical systems with branched points	15
30	Shuhei Masumoto (Univ. of Tokyo)	The countable chain condition and tensor products of operator algebras	10

16:30–17:30 Talk Invited by Functional Analysis Section

Kenji Taniguchi (Aoyama Gakuin Univ.) — Composition series of the standard Whittaker $(\mathfrak{g}, K)$-modules

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Statistics and Probability

March 21st (Sat) Conference Room IIa (1022 (2F))

9:30–12:00

1	Isamu Dôku (Saitama Univ.)	Unbiased estimator related to some integral equations	15
2	Taro Murayama (Kanazawa Univ.) *	The zero-mass limit problem for three relativistic Schrödinger heat semigroups	15
3	Naotaka Kajino (Kobe Univ.) Alexander Grigor'yan (Univ. of Bielefeld)	Localized heat kernel upper bounds for diffusions via a multiple Dynkin–Hunt formula	15
4	Shigeyoshi Ogawa (Ritsumeikan Univ.) Hideaki Uemura (Aichi Univ. of Edu.)	On the identification of noncausal functions from the SFCs	15
5	Shigeyoshi Ogawa (Ritsumeikan Univ.)	BPE and a noncausal counterpart of Girsanov's theorem	10
6	Yuji Kasahara (Univ. of Tsukuba) Shin'ichi Kotani (Kwansei Gakuin Univ.)	Asymptotic behavior of the transition density of Bessel-like diffusion	10
7	Yasuki Isozaki (Kyoto Inst. Tech.)	First hitting time of the integer lattice by symmetric stable processes	10
8	Dai Taguchi (Ritsumeikan Univ.) Arturo Kohatsu-Higa (Ritsumeikan Univ.) Jie Zhong (Univ. of Central Florida)	Parametrix method for skew diffusion	15
9	Yusuke Nakamura (Hiroshima Univ.) Akihiko Inoue (Hiroshima Univ.) Shingo Moriuchi (Bizen Ryokuyo High School)	A Vasicek-type short rate model with memory effect	15

14:15–14:45

10	Ryoki Fukushima (Kyoto Univ.) Marek Biskup (UCLA) Wolfgang König (WIAS)	Eigenvalue fluctuations for lattice Anderson Hamiltonians	10
11	Ryoki Fukushima (Kyoto Univ.) Francis Comets (Univ. Paris 7) Nobuo Yoshida (Nagoya Univ.)	Limiting results for the free energy of directed polymers in random environment with unbounded jumps	10
12	Katusi Fukuyama (Kobe Univ.) * Yutaro Noda (Kobe Univ.)	On permutational invariance of the metric discrepancy results	5

15:00–16:00 Talk Invited by Statistics and Probability Section

Naotaka Kajino (Kobe Univ.) Heat kernel analysis for Brownian motion of 2-dimensional Liouville quantum gravity

16:15–17:15 Award Lecture for 2014 Analysis Prize

Hirofumi Osada (Kyushu Univ.) Stochastic dynamics and geometry for infinite particle systems

March 22nd (Sun) Conference Room IIb (1123 (12F))

9:30–11:30

13	Shin-Ichiro Takazawa (Kobe Univ.) *	The convergence rate of the strong law of large numbers by a finite number of strategies in the unbounded forecasting game II	10
14	F. Alberto Grünbaum (UC Berkeley) Takuya Machida (JSPS)	A long-time limit distribution of a 3-period time-dependent quantum walk	15
15	Akihito Hora (Hokkaido Univ.)	Hydrodynamic limit for restriction-induction chains and free probability	15
16	Takayoshi Setokuchi (Setokuchi Roof Tile Factory Co. Ltd.) Keizo Takashima (Okayama Univ. of Sci.)	Discrepancies of irrational rotations based on numbers having single isolated large partial quotient	15
17	Shintaro Suzuki (Osaka Univ.)	The Artin–Mazur zeta function of generalized beta transformations	15
18	Hiroki Takahashi (Keio Univ.) *	Zero temperature limit for the Hénon map at the first bifurcation	15
19	Michael Keane (Wesleyan Univ.) Masato Takei (Yokohama Nat. Univ.)	On the number of infinite clusters in percolation on a class of fractal-like graphs	15

11:30–12:00 Research Section Assembly

March 23rd (Mon) Conference Room IIa (1022 (2F))

9:30–12:00

20	Naoto Nakano (JST PRESTO / Hokkaido Univ.) Masaru Inatsu (Hokkaido Univ.) Seiichiro Kusuoka (Tohoku Univ.) Yoshitaka Saiki (Hitotsubashi Univ.)	Ensemble predictability estimate of vector-valued time-series analysis based on stochastic differential equation model	15
21	Fumiya Akashi (Waseda Univ.)	GMM estimator for symmetric α-stable linear processes and its second-order asymptotic properties	15

22	Yan Liu (Waseda Univ.)	Asymptotic theory for minimum contrast estimation in time series analysis	15
23	Shintaro Hashimoto (Univ. of Tsukuba) Ken-ichi Koike (Univ. of Tsukuba)	Reference priors with maximum divergence for multiparameter non-regular models	15
24	Koji Tsukuda (Grad. Univ. for Adv. Stud.)	A functional central limit theorem in an L^2 space for the Ewens sampling formula	15
25	Jo Suzuki (Osaka Univ.)	A generalized BIC without assuming either discrete or continuous	15
26	Masafumi Akahira (Univ. of Tsukuba) Nao Ohyauchi (Univ. of Tsukuba)	Asymptotic loss of the MLE of a truncation parameter for a one-sided truncated exponential family of distributions	10
27	Nao Ohyauchi (Univ. of Tsukuba) Masafumi Akahira (Univ. of Tsukuba)	Asymptotic loss of the MLE of a truncation parameter for a two-sided truncated exponential family of distributions	10

14:15–15:15

28	Yuri Sekiya (Hokkaido Univ. of Edu.) Nobuhiro Taneichi (Kagoshima Univ.)	On an application of a discontinuous term of the asymptotic expansion for distribution of multinomial goodness-of-fit test statistic	15
29	Seiichi Iwamoto (Kyushu Univ.*) Yutaka Kimura (Akita Pref. Univ.)	Is Da Vinci Code in itself optimal?	15
30	Seiichi Iwamoto (Kyushu Univ.*)	Three dual approaches to least squares method	15

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

Taka-aki Shiraishi (Nanzan Univ.) Advanced theory of multiple comparison procedures in multi-sample models

16:45–17:45 Talk Invited by Statistics and Probability Section

Masashi Hyodo (Tokyo Univ. of Sci.) Estimation of the probabilities of misclassification for a linear discriminant function in high-dimensional settings

March 24th (Tue) Conference Room IIa (1022 (2F))

9:45–12:00

31	Akira Shibuya (Tokyo Univ. of Sci.) Kiyotaka Iki (Tokyo Univ. of Sci.) Sadao Tomizawa (Tokyo Univ. of Sci.)	Orthogonal decomposition of extended diagonal exponent symmetry model in square contingency tables with ordered categories	15
32	Mana Aizawa (Tokyo Univ. of Sci.) Kouji Yamamoto (Osaka Univ.) Sadao Tomizawa (Tokyo Univ. of Sci.)	Decompositions of sum-symmetry model for square contingency tables with ordered categories	10
33	Kouji Tahata (Tokyo Univ. of Sci.) Masato Naganawa (Tokyo Univ. of Sci.) Sadao Tomizawa (Tokyo Univ. of Sci.)	Decomposition of symmetry based on extended linear asymmetry model for square contingency tables with ordered categories	10
34	Shoko Chisaki (Tokyo Univ. of Sci.) Nobuko Miyamoto (Tokyo Univ. of Sci.)	On a difference systems of set from a family of subsets in $\mathbb{F}_p$	10
35	Masanori Sawa (Kobe Univ.)	Developing the theory of designs on measure spaces II —a generalization of Tchakaloff's Theorem—	15

36	Masahide Kuwada (Int. Inst. for Nat. Sci.) Yoshifumi Hyodo (Okayama Univ. of Sci./Int. Inst. for Nat. Sci.) Hiromu Yumiba (Int. Inst. for Nat. Sci.) Kazuma Ozoe (Okayama Univ. of Sci.)	Existence conditions for balanced fractional 2^m factorial designs of resolution $\mathrm{R}^*(\{1,2\}\|\Omega_4)$ with $N<\nu_4(m)$	15
37	Kazuki Matsubara (Matsunaga High School) Masatake Hirao (Aichi Pref. Univ.) Sanpei Kageyama (Hiroshima Inst. of Tech.)	The existence of 2 pairwise additive cyclic BIB designs with an even number of points	10
38	Xiao-Nan Lu (Nagoya Univ.) Masakazu Jimbo (Nagoya Univ.)	Unifying some graphs related to quadruple systems	15

14:15–15:15

39	Kazuyoshi Yata (Univ. of Tsukuba) Makoto Aoshima (Univ. of Tsukuba)	Asymptotic properties of the extended cross-data-matrix methodology for high-dimensional data and their applications	15
40	Akimichi Takemura (Univ. of Tokyo) Constantin Siriteanu (Osaka Univ.) Satoshi Kuriki (Inst. of Stat. Math.)	Some recent results on complex non-central Wishart distribution in application to wireless communication	15
41	Hirofumi Wakaki (Hiroshima Univ.)	A variable selection criterion for GMANOVA model with random coefficient	15

Applied Mathematics

March 21st (Sat) Conference Room VIa (1065 (6F))

9:50–12:00

1	Nobuo Shindo (Kyoto Gaidai Nishi High School)	3-color resolution of the edges of maximum plane graph —by “peninsula” method—	10
2	Kenta Noguchi (Keio Univ.)	Control of cycle parities of quadrangulations	15
3	Masato Mimura (Tohoku Univ.)*	Cayley verifiable expander	15
4	Takuya Ikuta (Kobe Gakuin Univ.) Akihiro Munemasa (Tohoku Univ.)	Complex Hadamard matrices coming from 4-class association schemes	15
5	Kohei Yamada (Nagoya Univ.) Masanori Sawa (Kobe Univ.) Masakazu Jimbo (Nagoya Univ.)	Graham and Lovász’s problem on the inertia of distance matrix and quasi-symmetric designs	10
6	Ryoko Oishi-Tomiyasu (High Energy Accelerator Res. Organ.)	Application of reduction theory of quadratic forms to a lattice determination problem in crystallography	15
7	Michiaki Kabe (Kanto Polytechnic Coll.)	Solution for soil improvement problem	15

14:30–16:00

8	Iwao Sato (Oyama Nat. Coll. of Tech.) Norio Konno (Yokohama Nat. Univ.) Etsuo Segawa (Tohoku Univ.) Yusuke Higuchi (Showa Univ.)	Quantum graph walk	15
9	Norio Konno (Yokohama Nat. Univ.) Masato Takei (Yokohama Nat. Univ.)	On stationary measures for discrete-time quantum walks in one dimension	10
10	Shunsuke Nakamura (Tokyo Univ. of Sci.) Keiko Kotani (Tokyo Univ. of Sci.)	The number of contractible edges in a 4-connected graph having a small number of edges not contained in triangles	15
11	Kiyoshi Ando (Nat. Inst. of Information / JST ERATO)	A forbidden subgraph condition for 5-contractible edges	15
12	Kazuhiko Ushio (Kinki Univ.)	Balanced C_7-foil designs and related designs	15

16:10–17:10 Talk Invited by Applied Mathematics Section

Midori Kobayashi (Univ. of Shizuoka) Dudeney's round table problem —a survey—

March 22nd (Sun) Conference Room VIb (1106 (10F))

9:30–11:30

13	Minoru Fujimoto (Seika Science Lab.) Kunihiko Uehara (Tezukayama Univ.)	Twin prime theorem fixed	15
14	Minoru Fujimoto (Seika Science Lab.) Kunihiko Uehara (Tezukayama Univ.)	Legendre's conjecture	15
15	Akira Saito (Nihon Univ.) Liming Xiong (Beijing Inst. of Tech.)	The Ryjáček closure and a forbidden subgraph	15
16	Kiyoshi Yoshimoto (Nihon Univ.) Hui Du	On long disjoint paths joining two specified vertices and a vertex subset	15
17	Shinya Fujita (Yokohama City Univ.) Gary MacGillivray (Univ. of Victoria) Tadashi Sakuma (Yamagata Univ.)	Safe set problem on graphs	10
18	Shoichi Tsuchiya (Keio Univ.) Guantao Chen (Georgia State Univ.) Jie Han (Georgia State Univ.) Suil O (Georgia State Univ.) Songling Shan (Georgia State Univ.)	On spanning Halin subgraph	15
19	Masataka Kaneko (Toho Univ.) Satoshi Yamashita (Kisarazu Nat. Coll. of Tech.) Kazushi Ahara (Meiji Univ.) Akira Iritani (Iwataminami High School) Setsuo Takato (Toho Univ.)	Effective TeX drawing with dynamic geometry software	15

13:00–13:50

20	Kosuke Suzuki (Univ. of Tokyo)	Accelerating convergence and the tractability of multivariate integration for the Walsh spaces	15
21	Norihiro Nakashima (Toyota Tech. Inst.) Hajime Matsui (Toyota Tech. Inst.)	A decoding algorithm for projective Reed–Muller codes by DFT and BMS algorithm	15
22	Shin Harase (Tokyo Tech) Takamitsu Kimoto (Tokyo Tech)	Implementing 64-bit maximally equidistributed Mersenne Twister pseudorandom number generators	15

13:50–14:10 Presentation Ceremony for the 2014 MSJ Prize for Excellent Young Applied Mathematicians

March 23rd (Mon) Conference Room VIa (1065 (6F))

10:00–11:30

23	Shunzi Horiguchi (Niigata Sangyo Univ.)	Tsuchikura–Horiguchi–Murase–Halley method (Expansion of Halley Method) and the convergences II	10
24	Shunzi Horiguchi (Niigata Sangyo Univ.)	Numerical Calculations of Convergences II of Tsuchikura–Horiguchi–Murase–Halley's method (Expansion of Halley's Method)	10
25	Shy Der Lin (Chung Yuan Christian Univ.) H. M. Srivastava (Univ. of Victoria)	Some special properties and application of fractional calculus	15
26	Pin-Yu Wang (Nanya Inst. of Tech.) ♭	The N-Fractional Calculus of The Functions $1/f(z)$ and $\log f(z)$, and Identities	10
27	Fumio Nakajima (Iwate Univ.) *	Harmonic function property of the geometry of the surface of Mt. Fuji	15

14:30–16:00

28	Ryuichi Ohori (Univ. of Tokyo)	Optimization of digital nets for Walsh figure of merit with parameter of growth of derivatives	13
29	Takehito Yoshiki (Univ. of Tokyo) Kosuke Suzuki (Univ. of Tokyo)	Extra expansion of Walsh coefficients	15
30	Jin Hatomoto (Tokyo Nat. Coll. of Tech.)	Hitting time distributions for diffeomorphisms with weak hyperbolic product structure	10
31	Masaji Watanabe (Okayama Univ.) Fusako Kawai (Kyoto Inst. Tech.)	Modeling and simulation for exogenous type microbial depolymerization	15

16:15–17:15 Talk Invited by Applied Mathematics Section

Elliott Ginder (Hokkaido Univ.) Methods for approximation of constrained interfacial dynamics

March 24th (Tue) Conference Room VIa (1065 (6F))

9:45–11:45

32	Hidenori Ogata (Univ. of Electro-Comm.) Koya Sakakibara (Univ. of Tokyo) Masashi Katsurada (Meiji Univ.)	Approximations of complex analytic functions by the charge or dipole simulation method	15

33	Akitoshi Takayasu (Waseda Univ.) Makoto Mizuguchi (Waseda Univ.) Takayuki Kubo (Univ. of Tsukuba) Shin'ichi Oi (Waseda Univ. / JST CREST)	A method of verified computations for solutions to semilinear parabolic equations	15
34	Yoshitaka Watanabe (Kyushu Univ.) Takehiko Kinoshita (Kyoto Univ.) Mitsuhiro T. Nakao (Sasebo Nat. Coll. of Tech.)	Constructive norm bounds of Laplacian for second-order elliptic operators	15
35	Daisuke Koyama (Univ. of Electro-Comm.) Fumio Kikuchi (Univ. of Tokyo*)	On the robustness of a hybridized DGFEM for nearly incompressible elasticity	15
36	Hirofumi Notsu (Waseda Univ.) Masahisa Tabata (Waseda Univ.)	Error estimates of Galerkin-characteristics finite element schemes for natural convection problems	15
37	Tomoya Kemmochi (Univ. of Tokyo) Norikazu Saito (Univ. of Tokyo)	An application of discrete maximal regularity to the semilinear heat equation	15

14:15–15:45

38	Ippei Obayashi (Kyoto Univ. / JST CREST)	Formation mechanism of basin of attraction for simple bipedal walking models	15
39	Takeshi Gotoda (Kyoto Univ.)	The α point vortex system and enstrophy variations	15
40	Kei Nishi (Hokkaido Univ.) Yasumasa Nishiura (Tohoku Univ.) Takashi Teramoto (Asahikawa Medical Univ.)	On the motion of the two interacting interfaces of a pulse solution in a bistable reaction-diffusion system	10
41	Sungrim Seirin Lee (Hiroshima Univ.)	Application of Phase-field method for elucidating the pattern formation of life	15
42	Masakazu Akiyama (Hokkaido Univ.) Tomonori Ayukawa (Akita Univ.) Masakazu Yamazaki (Akita Univ.)	A mathematical model of planar cell polarity	15

16:00–17:00 Talk Invited by Applied Mathematics Section

Yuichiro Wakano (Meiji Univ.) Dynamics and its mathematical analysis in evolutionary biology

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Topology

March 21st (Sat) Conference Room IVa (1032 (3F))

9:30–12:00

1	Shouta Tounai (Univ. of Tokyo) *	Homotopy types of Frobenius complexes	10
2	Ryo Kato (Kochi Univ.) Katsumi Shimomura (Kochi Univ.)	On harmonic invertible spectra	10

3	Masaki Nakagawa (Okayama Univ.) Hiroshi Naruse (Okayama Univ.)	A Gysin formula for the universal Schur functions	15
4	Takahito Naito (Univ. of Tokyo)	The Sullivan's coproduct on the homology of free loop spaces	10
5	Misako Yokoyama (Shizuoka Univ.)	The fundamental pregroupoids, the fundamental semi-groups, and the fundamental groupoids of orbifolds	15
6	Satoshi Murai (Osaka Univ.)	On tight triangulations of products of spheres	15
7	Shosaku Matsuzaki (Waseda Univ.) Makoto Ozawa (Komazawa Univ.)	Impossibility of embeddings of 2-dimensional complexes into the 3-sphere	10
8	Michihiko Fujii (Kyoto Univ.)	The growth series for pure Artin groups of dihedral type	10
9	Motoko Kato (Univ. of Tokyo)	The relative number of ends of the higher-dimensional Thompson groups	10
10	Kentaro Saji (Kobe Univ.) Luciana de Fátima Martins (São Paulo State Univ.)	Geometric foliations on a cuspidal edge	10

14:15–15:30

11	Miho Hatanaka (Osaka City Univ.)	Spin toric manifolds associated to pseudographs	15
12	Hideya Kuwata (Osaka City Univ.)	On finiteness of global sections of a certain line bundle on a nice topological toric manifold	10
13	Kazumasa Inaba (Tohoku Univ.)	On deformations of isolated singularities of polar weighted homogeneous mixed polynomials	15
14	Takefumi Nosaka (Kyushu Univ.)	Ddiagrammatic computation for the Blanchfield pairing and twisted Milnor signature	15

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

Shoji Yokura (Kagoshima Univ.) On characteristic classes of singular spaces —from a viewpoint of counting—

March 22nd (Sun) Conference Room IVb (1116 (11F))

9:30–12:00

15	Hisashi Kasuya (Tokyo Tech) ♭	Cohomology of polycyclic groups and algebraic groups	15
16	Hisashi Kasuya (Tokyo Tech) ♭	Cohomology of algebraic groups and Sullivan's minimal models	15
17	Hisashi Kasuya (Tokyo Tech) ♭	Cohomology of proalgebraic groups and 1-minimal models	10
18	Tatsuhiko Yagasaki (Kyoto Inst. Tech.) Taras Banakh (Ivan Franko Nat. Univ. of Lviv)	Diffeomorphism groups of non-compact manifolds endowed with the Whitney C^∞-topology	15
19	Katsuhisa Koshino (Univ. of Tsukuba)	The property of being a Baire space of certain function space	15
20	Naoki Kato (Univ. of Tokyo)	Lie foliations transversely modeled on nilpotent Lie algebras	15
21	Naoki Kato (Univ. of Tokyo)	Classification of solvable Lie flows of codimension 3	15
22	Atsuhide Mori (Osaka City Univ.) *	Spinnable foliations of the 5-sphere	15

13:15–14:15 **Talk Invited by Topology Section**

Anton Alekseev (Univ. of Geneva) Geometry and Topology of Lie-group valued moment maps

March 23rd (Mon) Conference Room IVa (1032 (3F))

9:30–12:00

23	Erika Kuno (Osaka Univ.)	Uniform hyperbolicity for curve graphs of nonorientable surfaces	10
24	Yuichi Kabaya (Kyoto Univ.)	Exotic components in linear slices of quasi-Fuchsian groups	15
25	Kenta Hayano (Hokkaido Univ.) Refik İnanç Baykur (Univ. of Massachusetts)	Multisections of Lefschetz fibrations and topology of symplectic 4-manifolds	15
26	Takayuki Morifuji (Keio Univ.)	Reducibility of automorphisms of Hurwitz surfaces and the η-invariant	10
27	Naoyuki Monden (Osaka Electro-Comm. Univ.) R. Inanc Baykur (Univ. of Massachusetts) Jeremy Van Horn-Morris (Univ. of Arkansas)	Positive factorizations of mapping classes	15
28	Jun Murakami (Waseda Univ.)	Volumes of hyperbolic and spherical polyhedrons	10
29	Ken'ichi Yoshida (Univ. of Tokyo)	Stable presentation length of 3-manifold groups	15
30	Teruaki Kitano (Soka Univ.)	Reidemeister torsion of a homology 3-sphere obtained by $\frac{1}{n}$-Dehn surgery along the figure-eight knot for $SL(2,\mathbb{C})$-irreducibe representation	10
31	Yoshikazu Yamaguchi (Akita Univ.)	The asymptotics of the Reidemeister torsion for Seifert manifolds and $\mathrm{PSL}_2(\mathbb{R})$-representations of Fuchsian groups	10

14:15–16:45

32	Shunsuke Tsuji (Univ. of Tokyo) *	The action of Dehn twists and the Johnson kernel on the skein modules	10
33	Wataru Yuasa (Tokyo Tech) *	Skein quantization and Poisson algebras of curves on bordered surfaces	10
34	Nariya Kawazumi (Univ. of Tokyo)	A tensorial description of the Turaev cobracket on compact genus 0 surfaces	15
35	Takefumi Nosaka (Kyushu Univ.)	Finite presentations of centrally extended mapping class groups	10
36	Ryoma Kobayashi (Tokyo Univ. of Sci.)	On a finite presentation of the level 2 principal congruence subgroup of $GL(n;\mathbb{Z})$	15
37	Ryoma Kobayashi (Tokyo Univ. of Sci.) Susumu Hirose (Tokyo Univ. of Sci.)	On a normally generating set for the Torelli group of a non-orientable closed surface	15
38	Genki Omori (Tokyo Tech) Ryoma Kobayashi (Tokyo Univ. of Sci.)	A finite presentation for the automorphism group of the first homology of a non-orientable surface over $\mathbb{Z}_2$ preserving the mod 2 intersection form	15

39	Takuya Sakasai (Univ. of Tokyo) Masaaki Suzuki (Meiji Univ.) Shigeyuki Morita (Univ. of Tokyo*/Tokyo Tech*)	On a structure of the symplectic derivation Lie algebra of genus 1	15
40	Yuta Nozaki (Univ. of Tokyo)	An extension of the LMO functor	15

17:00–18:00 Talk Invited by Topology Section

Yusuke Kuno (Tsuda Coll.)* Fatgraph complexes and mapping class groups

March 24th (Tue) Conference Room IVa (1032 (3F))

9:30–12:00

41	Keiji Tagami (Tokyo Tech) Tetsuya Abe (Tokyo Tech)	Annulus presentations compatible with fiber surfaces	10
42	Louis H. Kauffman (Univ. of Illinois at Chicago) Eiji Ogasa (Meiji Gakuin Univ.)	Local moves on knots and products of knots	10
43	Kanako Oshiro (Sophia Univ.)	An interpretation of finite-degree connected Alexander quandle colorings	10
44	Makoto Ozawa (Komazawa Univ.) Yuya Koda (Hiroshima Univ.)	Knot homotopy in subspaces of the 3-sphere	10
45	Yusuke Takimura (Gakushuin Boy's Junior High School) Noboru Ito (Waseda Univ.)	Sub-chord diagrams of knot projections	10
46	Shosaku Matsuzaki (Waseda Univ.) Noboru Ito (Waseda Univ.)	Circle arrangements on spherical curves	10
47	Tetsuya Abe (Tokyo Tech) Keiji Tagami (Tokyo Tech)	Fibered knots with the same 0-surgery and the slice-ribbon conjecture	15
48	Motoo Tange (Univ. of Tsukuba)	A traversable theorem of Alexander polynomial of lens space knot	15
49	Masakazu Teragaito (Hiroshima Univ.)	Quasi-alternating links and Q-polynomials	10
50	Taizo Kanenobu (Osaka City Univ.)	Oriented Gordian distance of two-component links	10
51	Kazuhiro Ichihara (Nihon Univ.) Yuki Temma (Nihon Univ.)	Non left-orderable surgeries on twisted torus knots	10

Infinite Analysis

March 23rd (Mon) Conference Room IX (1136 (13F))

14:15–15:30

1	Takuya Matsumoto (Nagoya Univ./Nagoya Univ.)	Classical r-matrices and the deformed gravity solutions	15

2	Yas-Hiro Quano (Suzuka Univ. of Med. Sci.)	Form factors of spin 1 analogue of the eight-vertex model	15
3	Ayumu Hoshino (Kagawa Nat. Coll. of Tech.) Masatoshi Noumi (Kobe Univ.) Jun Shibahara (Univ. of Tokyo) Jun'ichi Shiraishi (Univ. of Tokyo)	Tableau foumula for Macdonald polynomials of type C_n with one row diagrams	15
4	Masatoshi Noumi (Kobe Univ.) Yasushi Komori (Rikkyo Univ.) Yasuho Masuda (Kobe Univ.)	Duality transformation formulas for multiple elliptic hypergeometric series of type BC	15
5	Masahiko Ito (Tokyo Denki Univ.) Masatoshi Noumi (Kobe Univ.)	Derivation of a BC_n elliptic summation formula via the fundamental invariants	15

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

Shintarou Yanagida (Kyoto Univ.) Motivic Hall algebras and quantum toroidal algebras

March 24th (Tue) Conference Room IX (1136 (13F))

9:45–11:45

6	Yoko Shigyo (Tsuda Coll.)	Plücker coordinates of the BKP hierarchy	15
7	Saburo Kakei (Rikkyo Univ.)	Hirota bilinear method and GUE, NLS, Painlevé IV	15
8	Yoshihiro Takeyama (Univ. of Tsukuba)	A deformation of affine Hecke algebra and integrable stochastic particle system	15
9	Taichiro Takagi (Nat. Defense Acad. of Japan)	Tropical periodic Toda lattice and Kerov–Kirillov–Reshetikhin bijection	15
10	Masataka Kanki (Rikkyo Univ.) Tetsuji Tokihiro (Univ. of Tokyo) Jun Mada (Nihon Univ.)	Co-primeness condition of the periodic discrete Toda equation	15
11	Tomoki Nakanishi (Nagoya Univ.)	On generalized cluster algebras	15
12	Kohei Iwaki (Kyoto Univ.) Tomoki Nakanishi (Nagoya Univ.)	Exact WKB analysis and cluster algebras II	15

14:15–15:30

13	Takeshi Morita (Osaka Univ.)	A bilateral extension of the Ramanujan entire function	15
14	Toshiyuki Mano (Univ. of Ryukyus) * Mitsuo Kato (Univ. of Ryukyus) Jiro Sekiguchi (Tokyo Univ. of Agri. and Tech.)	Flat structure on the space of isomonodromic deformations	15
15	Hideshi Yamane (Kwansei Gakuin Univ.)	Asymptotic analysis for the integrable discrete nonlinear Schrödinger equation	15
16	Takao Suzuki (Kinki Univ.)	Drinfeld–Sokolov hierarchy of type $A_5^{(1)}$ and Simpson's even four hypergeometric function	15
17	Hiroyuki Kawamuko (Mie Univ.) Yoshiaki Ushiku (Mie Univ.)	Initial value space of the second Matrix Painlevé equation	10

Final Version: 2015/02/10

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

Hidetaka Sakai (Univ. of Tokyo) Studies on the 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.

The talks with $\ast$ 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 `program15mar@mathsoc.jp`. Collaborative works are presented by the underlined authors.

Each conference room is equipped with a whiteboard or blackboard, a document camera, and a projector with VGA interface for PC presentation. You are asked to use your own PC and necessary accessory (for example, HDMI-VGA adapter) 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 a copy of the PDF file of your sheets on a USB flash drive or printed sheets for the document camera in case your PC does not fit to the projector.

Information for Participants

Smoking is prohibited generally in and around Surugadai campus. Smokers are kindly asked to smoke in Fujidana Plaza (2F).

There is no parking area for visitors in the campus.

You can take lunch in the dining hall (Sky Lounge Akatsuki; 17F). There are also many restaurants near Surugadai campus.

A wireless LAN is available in discussion rooms (1134, 1146). If you need it, please ask a staff in the room.

Official Party

Time: March 22nd (Sun), 18:00–20:00
Venue: Kishimoto Tatsuo HALL (23F)

Participants are asked to pay 5,000 JPY at the party.

Final Version: 2015/02/10

Directions

2015 MSJ ANNUAL MEETING

Dates : March 21st (Sat)–24th (Tue), 2015

Venue : Meiji University, Surugadai Campus (Liberty Tower)
Kanda Suruga-dai 1–1, Chiyoda-ku, Tokyo 101-8301

Contact to : Meiji University, School of Interdisciplinary Mathematical Sciences
Nakano 4–21–1, Nakano-ku, Tokyo 164-8523
E-mail `meiji15mar@mathsoc.jp`
Phone +81 (0) 90 1791 3483 (During session)

Web Site : `http://mathsoc.jp/en/meeting/meiji15mar/`

Conference Rooms

	Place	Research Sections
Conference Room Ia (Mar. 21st)	1021 (2F)	Algebra
Conference Room Ib	1013 (1F)	Algebra, Featured Invited Talk
Conference Room IIa	1022 (2F)	Statistics and Probability, Featured Invited Talk
Conference Room IIb (Mar. 22nd)	1123 (12F)	Statistics and Probability
Conference Room IIIa	1031 (3F)	Geometry, Featured Invited Talk
Conference Room IIIb (Mar. 22nd)	1001 (B1F)	Geometry
Conference Room IVa	1032 (3F)	Topology, Featured Invited Talk
Conference Room IVb (Mar. 22nd)	1116 (11F)	Topology
Conference Room Va	1063 (6F)	Functional Equations, Featured Invited Talk
Conference Room Vb (Mar. 22nd)	1103 (10F)	Functional Equations
Conference Room VIa	1065 (6F)	Applied Mathematics
Conference Room VIb (Mar. 22nd)	1106 (10F)	Applied Mathematics
Conference Room VII	1126 (12F)	Foundation of Mathematics and History of Mathematics, Complex Analysis
Conference Room VIII	1133 (13F)	Functional Analysis
Conference Room IX	1136 (13F)	Real Analysis, Infinite Analysis
Plenary Talks	1013 (1F)	
Open Lectures for Citizens	1013 (1F)	

Other Rooms

Membership Fee	1147 (14F)
Extended Abstracts	1148 (14F)
Discussion Rooms	1134 (13F), 1146 (14F)
Book Display and Sale	1131/1135/1137/1138 (13F)
Executive Committee, MSJ President	1157 (15F)
Official Party	Kishimoto Tatsuo HALL (23F)