Functional Analysis

March 21st (Thu)

9:30–12:15

1	Tatsuya Tsurii (Osaka Pref. Univ.) ♯ Satoshi Kawakami (Nara Univ. of Edu.)	Deformations of finite hypergroups	10
2	Masafumi Sakao (Chiba Univ.) ♯ Tatsuya Tsurii (Osaka Pref. Univ.) Satoe Yamanaka (Osaka Pref. Univ.) Satoshi Kawakami (Nara Univ. of Edu.)	Duality problem of extension hypergroups	10
3	Itsumi Mikami ♯ Tatsuya Tsurii (Osaka Pref. Univ.) Satoe Yamanaka (Osaka Pref. Univ.) Satoshi Kawakami (Nara Univ. of Edu.)	A hypergroup coming from infinite dimensional representations of a motion group	10
4	Satoe Yamanaka (Osaka Pref. Univ.) ♯ Herbert Heyer (Tübingen Univ.) Satoshi Kawakami (Nara Univ. of Edu.)	Induced states of a hypergroup	10
5	Satoshi Kawakami (Nara Univ. of Edu.) ♯ Herbert Heyer (Tübingen Univ.)	When does the dual have a hypergroup structure?	10
6	Satoshi Kawakami (Nara Univ. of Edu.) ♯ Herbert Heyer (Tübingen Univ.)	Imprimitivity theorem for representations of a hypergroup	10
7	Takaaki Nomura (Kyushu Univ.) *	Inductive structure and the determinant of the right multiplication operators in the clan structure of a Euclidean Jordan algebra	15
8	Hideto Nakashima (Kyushu Univ.) ♯	Clans defined by representations of Hermitian Jordan algebras	15
9	Hideto Nakashima (Kyushu Univ.) ♯ Takaaki Nomura (Kyushu Univ.)	Clans defined by representations of Lorentzian Jordan algebras	15
10	Hideto Nakashima (Kyushu Univ.) ♯ Takaaki Nomura (Kyushu Univ.)	Dual clans of clans defined by representations of Euclidean Jordan algebras	15
11	Atsumu Sasaki (Tokai Univ.) ♯	Compatible automorphisms for visible linear actions	15
12	Takashi Hashimoto (Tottori Univ.) ♯	Embedding of real coadjoint orbits in the twisted cotangent bundle of the complex flag variety	15

13:30–14:30 Talk invited by Functional Analysis Section

Hisayosi Matumoto (Univ. of Tokyo) ♯ On the homomorphisms between scalar generalized Verma modules

March 22nd (Fri)

10:00–12:00

13	Yuki Seo (Osaka Kyoiku Univ.) ♯	The Arithmetic-Geometric mean inequality in an external formula	10
14	Kei Ji Izuchi (Niigata Univ.) * Quang Dieu Nguyen (Hanoi Univ. of Education, Vietnam) Shûichi Ohno (Nippon Inst. of Tech.)	Composition operators induced by analytic maps to the polydisk	15

15	Wolfgang Krieger (Univ. of Heidelberg) * Toshihiro Hamachi (Kyushu Univ.*)	A class of subshifts with property (A)	15
16	Tsuyoshi Kajiwara (Okayama Univ.) ♯ Yasuo Watatani (Kyushu Univ.)	Trace on cores of C*-algebras associated with rational functions	15
17	Kengo Matsumoto (Joetsu Univ. of Edu.) *	C^*-algebras associated with Hilbert C^*-quad modules of finite type	15
18	Yasuhiko Sato (Kyoto Univ.) ♯	Decomposition rank of UHF absorbing C*-algebras	15
19	Hiroyuki Osaka (Ritsumeikan Univ.) ♯ Tamotsu Teruya (Gunma Univ.)	Nuclear dimension for an inclusion of unital C^*-algebras	10
20	Hiroyuki Osaka (Ritsumeikan Univ.) ♯ Dinh Trung Hoa (Duy Tan Univ.) Ho Minh Toan (Math. Inst., Vietnam Acad. of Sci. and Tech.)	On generalized Powers–Størmer's inequality	15

14:30–15:20

21	Hiroshi Ando (IHÉS) ♯ Uffe Haagerup (Univ. of Copenhagen)	Ultraproducts of von Neumann algebras	20
22	Satoshi Goto (Sophia Univ.) ♯	On classification of connections between Dynkin diagrams and ADE fusion bimodules	10
23	Satoshi Goto (Sophia Univ.) ♯	On generalized Goodman–de la Harpe–Jones subfactors of type D-E	10
24	Satoshi Goto (Sophia Univ.) ♯	On flat and non-flat connection systems of the 3311 spoke subfactor	5

15:40–16:40 Talk invited by Functional Analysis Section

Reiji Tomatsu (Hokkaido Univ.) ♯ — Classification problem of group or quantum group actions on von Neumann algebras

March 23rd (Sat)

10:30–12:00

25	Hiromichi Miyake ♯	On the existence of the mean values for commutative semigroups of Dunford–Schwartz operators on L^1	15
26	Yoshinori Kametaka (Osaka Univ.*) ♯	The best constant of discrete Sobolev inequality on chiral type Carbon nano tube	10
27	Hiroyuki Yamagishi ♯ (Tokyo Metro. Coll. of Ind. Tech.) Yoshinori Kametaka (Osaka Univ.) Atsushi Nagai (Nihon Univ.) Kohtaro Watanabe (Nat. Defense Acad. of Japan) Kazuo Takemura (Nihon Univ.)	Complete low-cut filter and the best constant of Sobolev inequality	10
28	Hiroyuki Yamagishi ♯ (Tokyo Metro. Coll. of Ind. Tech.) Kohtaro Watanabe (Nat. Defense Acad. of Japan) Yoshinori Kametaka (Osaka Univ.)	The best constant of discrete Sobolev inequality on complete graph	10

29 Shin-ichi Nakagiri (Kobe Univ.)♯ Structural properties of solution semigroups associated with hyperbolic Volterra integro-differential systems 15

30 Kohei Umeta (Hokkaido Univ.)♯ Naofumi Honda (Hokkaido Univ.) The edge of the wedge theorem for holomorphic functions with growth conditions of exponential type and Laplace hyperfunctions 15

14:30–15:30 Talk invited by Functional Analysis Section

Akzunori Ando (Univ. of Tsukuba)♯ Inverse scattering problem for discrete Schrödinger operators on the hexagonal lattice