Functional Analysis

September 24th (Tue)

9:30–11:50

1 Hiroshi Ito   (Ehime Univ.) * Dirac operators with potentials with diverging at infinty $\cdots\cdots\cdots$ 15

2 Akito Suzuki   (Shinshu Univ.) * Spectral analysis of the Laplacian on a covering graph obtained from the one dimensional lattice by adding pendant vertices $\cdots\cdots\cdots$ 15

3 Akito Suzuki   (Shinshu Univ.) Supersymmetric aspects of the Laplacian on the graph obtained from the lattice by adding pendant vertices $\cdots\cdots\cdots$ 15

4 Itaru Sasaki   (Shinshu Univ.) ♯ Jacobi matrix and the multiplicity of eigenvalues of the non-commutative harmonic oscillator $\cdots\cdots\cdots$ 10

5 Itaru Sasaki   (Shinshu Univ.) ♯ On the binding condition of the semi-relativistic Pauli–Fierz model $\cdots$ 10

6 Fumio Hiroshima (Kyushu Univ.) ♯ Spin-boson model through a Poisson-driven stochastic process $\cdots\cdots$ 15

7 Fumio Hiroshima (Kyushu Univ.) ♯ Functional integral approach to semi-relativistic Pauli–Fierz models $\cdot\cdot$ 10

8 Fumio Hiroshima (Kyushu Univ.) ♯ UV renormalization of the Nelson model by functional integrations $\cdots$ 10

9 Koichi Kaizuka (Univ. of Tsukuba) ♯ A characterization of the L^2-range of the Poisson transform on symmetric spaces of noncompact type $\cdots\cdots\cdots$ 15

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

Chisato Iwasaki (Univ. of Hyogo) * The symbol of the fundamental solution for the degenerate parabolic operators and its application

September 25th (Wed)

9:30–11:50

10 Takuya Hosokawa (Ibaraki Univ.) * Differences of weighted composition operators from H^∞ to the Bloch
Shûichi Ohno (Nippon Inst. of Tech.)   space $\cdots\cdots\cdots$ 10

11 Kouhei Izuchi (Yamaguchi Univ.) ♯ Operator inner functions for Rudin type invariant subspaces over the bidisk $\cdots\cdots\cdots$ 15

12 Takeshi Miura   (Niigata Univ.) ♯ On surjective isometries between function algebras $\cdots\cdots\cdots$ 15

13 Koichi Shimada (Univ. of Tokyo) A classification of flows on AFD factors with faithful Connes–Takesaki modules $\cdots\cdots\cdots$ 15

14 Yusuke Isono (Univ. of Tokyo) ♯ Strong solidity of II_1 factors of free quantum groups $\cdots\cdots\cdots$ 15

15 Satoshi Goto   (Sophia Univ.) ♯ On equivalence classes of irreducible generalized intermediate subfactors of ADE subfactors $\cdots\cdots\cdots$ 10

16 Satoshi Goto   (Sophia Univ.) ♯ On intermediate subfactors of Goodman–de la Harpe–Jones subfactors $\cdots\cdots\cdots$ 10

17 Toshihiko Masuda (Kyushu Univ.) ♯ A sufficient condition for vanishing of an obstruction in orbifold construction $\cdots\cdots\cdots$ 15

September 26th (Thu)

9:30–12:00

18 Narutaka Ozawa (Kyoto Univ.)[♯] Quantum correlations and Tsirelson's problem · 15

19 Takuya Takeishi (Univ. of Tokyo) On nuclearity of C^*-algebras of Fell bundles over étale groupoids · · · · · 15

20 Hiroyuki Osaka (Ritsumeikan Univ.)[♯] LP property for C*-algebras · 15
Dinh Trung Hoa (Duy Tan Univ.)
Ho Minh Toan
    (Vietnam Acad. Sci. Tech.)

21 Rui Okayasu (Osaka Kyoiku Univ.)[♯] Some properties for free group C*-algebras associated with ℓ_p · · · · · · · · 15

22 Norio Nawata (Chiba Univ.)[♯] A Rohlin type theorem for trace scaling automorphisms of certain stably
projectionless C^*-algebras · 15

23 Yasuhiko Sato (Kyoto Univ.)[♯] Approximately unitarily equivalent automorphisms of UHF absorbing
C*-algebras · 15

24 Yuhei Suzuki (Univ. of Tokyo)[♯] Haagerup property for C*-algebras and rigidity of C*-algebras with
property (T) · 15

25 Kengo Matsumoto [*] Topological full groups of C^*-algebras arising from β-expansions · · · · · 15
    (Joetsu Univ. of Edu.)
Hiroki Matui (Chiba Univ.)

14:15–15:45

26 Tsuyoshi Kajiwara (Okayama Univ.)[♯] Discrete traces on the cores of C*-algebras associated with rational
Yasuo Watatani (Kyushu Univ.) functions · 15

27 Yasuo Watatani (Kyushu Univ.)[*] Transitive Hilbert representations of quivers · 15
Masatoshi Enomoto (Koshien Univ.)

28 Reiji Tomatsu (Hokkaido Univ.)[♯] Product type actions of a compact quantum group G_q · · · · · · · · · · · · · 15

29 Ryo Tabata (Hiroshima Univ.)[♯] On possible values of generalized matrix functions on the determinant-
permanent number line · 15

30 Katsuhiko Kikuchi (Kyoto Univ.)[♯] Spherical representations for certain Gelfand pairs · · · · · · · · · · · · · · · · · 15

16:00–17:00   Talk invited by Functional Analysis Section
Toshihiko Matsuki (Ryukoku Univ.)[♯] Finite-type orbit decompositions of multiple flag varieties for orthogonal
groups

September 27th (Fri)

9:30–12:00

31 Junichi Fujii (Osaka Kyoiku Univ.)[♯] On hyperkähler structure for the 2 by 2 positive-definite matrices · · · · 10

32 Noboru Nakamura [♯] Proofs of operator monotonicity of some functions · · · · · · · · · · · · · · · · · 15
    (Toyama Nat. Coll. of Tech.)
Saich Izumino

33 Kenjiro Yanagi (Yamaguchi Univ.)[♯] Uncertainty relation of generalized skew information · · · · · · · · · · · · · · · 15
Shigeru Furuichi (Nihon Univ.)
Ken Kuriyama (Bukkyo Univ.)

34   Eizaburo Kamei   *   An extension of Tsallis relative operator entropy · · · · · · · · · · · · · · · · · · · 15
      Hiroshi Isa (Maebashi Inst. of Tech.)
      Masatoshi Ito (Maebashi Inst. of Tech.)
      Hiroaki Tohyama
              (Maebashi Inst. of Tech.)
      Msayuki Watanabe
              (Maebashi Inst. of Tech.)

35   Masatoshi Ito (Maebashi Inst. of Tech.) ♯   Generalizations of operator Shannon inequality based on Tsallis and
      Hiroshi Isa (Maebashi Inst. of Tech.)   Rényi relative entropies · 15
      Eizaburo Kamei
      Hiroaki Tohyama
              (Maebashi Inst. of Tech.)
      Masayuki Watanabe
              (Maebashi Inst. of Tech.)

36   Masatoshi Ito (Maebashi Inst. of Tech.) ♯   Matrix inequalities including grand Furuta inequality via Karcher mean
                                                  · 15

37   Mitsuru Uchiyama (Shimane Univ.) ♯   A converse of Loewner–Heinz inequality · 15

38   Masaru Nagisa   (Chiba Univ.) ♯   The reverse order of operator mean · 15
      Mitsuru Uchiyama (Shimane Univ.)

39   Takeaki Yamazaki (Toyo Univ.) ♯   Operator inequality and operator mean · 10
      Mitsuru Uchiyama (Shimane Univ.)

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

      Yuki Seo (Osaka Kyoiku Univ.) ♯   Developments of operator geometric means from the viewpoint of Kan-
                                                  torovich inequality