Statistics and Probability

September 24th (Tue)

9:30–12:00

1   Kiyotaka Suzaki (Osaka Univ.) ♯   Construction of leafwise non-degenerate diffusion processes on foliated spaces via SDE approach and its application $\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

2   Takafumi Amaba (Ritsumeikan Univ.) ♯   On the monotonicity of $\mathcal{L}_0$-cost along backward heat flow $\cdots\cdots\cdots\cdots$ 15
Kazumasa Kuwada (Ochanomizu Univ.)

3   Jirô Akahori (Ritsumeikan Univ.) ♯   A discrete-time Clark–Ocone formula and its application to an error
Takafumi Amaba (Ritsumeikan Univ.)   analysis $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15
Kaori Okuma (Ritsumeikan Univ.)

4   Masafumi Hayashi   ♯   Hölder continuity property of the densities of SDEs with singular drift
(Univ. of Ryukyus / JST CREST)   coefficients $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10
Arturo Kohatsu Higa
(Ritsumeikan Univ. / JST CREST)
Go Yuki
(Ritsumeikan Univ. / JST CREST)

5   Hideki Tanemura (Chiba Univ.) ♯   Complex Brownian motion representations of non-colliding diffusion
Makoto Katori   (Chuo Univ.)   processes $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 10

6   Hideki Tanemura (Chiba Univ.) ♯   Strong Markov property of determinantal processes $\cdots\cdots\cdots\cdots\cdots$ 10

7   Nobuaki Naganuma (Tohoku Univ.) ♯   Asymptotic error distributions of the Crank–Nicholson scheme for SDEs driven by fractional Brownian motion $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

8   Shigeyoshi Ogawa (Ritsumeikan Univ.) *   Identification of a noncausal Itô process from the stochastic Fourier
Hideaki Uemura (Aichi Univ. of Edu.)   coefficients $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

9   Naoyuki Ichihara (Hiroshima Univ.) *   The generalized principal eigenvalue for ergodic type HJB equations $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

14:15–14:45

10   Naoki Kubota   (Nihon Univ.) ♯   Rates of convergence in first passage percolation with a weaker condition than exponential tail assumptions $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

11   Yuji Hibino   (Saga Univ.) ♯   Asymptotic spectral distributions of distance-k graphs of direct product graphs $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 15

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

Makoto Nakashima (Univ. of Tsukuba) ♯   Branching random walks in random environment

16:15–17:15   Talk invited by Statistics and Probability Section

Katusi Fukuyama (Kobe Univ.) ♯   Uniform distribution theory for geometric progressions

September 25th (Wed)

9:15–11:50

12   Hiroki Takahashi (Keio Univ.) *   Prevalence of non-uniform hyperbolicity at the first bifurcation of the Hénon family $\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots\cdots$ 20

13 Takuya Ikeda   (Osaka Univ.) *   Central limit theorem for a class of nonsingular transformations with
    Takehiko Morita (Osaka Univ.)   quasi-compact Perron–Frobenius operator ························· 15

14 Makoto Mori   (Nihon Univ.) ♯   On the essential spectrum of Perron–Frobenius operator ············ 20

15 Naotaka Kajino (Kobe Univ.) ♯   (Non-)periodic asymptotic behavior of the heat kernel on Sierpiński
    carpets ··· 20

16 Yukio Kasahara (Hokkaido Univ.) ♯   Matrix-valued rigid functions, kernels of Toeplitz operators and CND
    Akihiko Inoue (Hiroshima Univ.)   processes ··· 15
    Mohsen Pourahmadi
        (Texas A&M Univ)

17 Shunsuke Ihara (Nagoya Univ.⋆) ♯   Asymptotic behavior of error probabilities in information transmission
    over white Gaussian channel with feedback ······················ 15

18 Takaaki Shimura (Inst. of Stat. Math.) ♯   A numerical characteristic of extreme values ···················· 15

19 Satoshi Suzuki (Shimane Univ.) ♯   Surrogate duality for quasiconvex programming with data uncertainty
    Daishi Kuroiwa (Shimane Univ.)   ··· 15

11:50–12:20   Research Section Assembly

September 26th (Thu)

9:00–12:00

20 Takayuki Fujii   (Shiga Univ.) ♯   Nonparametric estimation for jump Markov processes ············· 15

21 Koji Tsukuda   ♯   Z-process methods in ℓ^∞- and L_2-spaces for change point problems
        (Grad. Univ. for Adv. Stud.)   ··· 20
    Yoichi Nishiyama
    (Inst. of Stat. Math./Grad. Univ. for Adv. Stud.)

22 Teppei Ogihara (Osaka Univ.) ♯   Local asymptotic mixed normality property for nonsynchronously ob-
    served diffusion processes ····································· 20

23 Ayaka Yagi (Tokyo Univ. of Sci.) ♯   Tests for mean vector and simultaneous confidence intervals with three-
    Takashi Seo (Tokyo Univ. of Sci.)   step monotone missing data ··································· 15

24 Masashi Hyodo (Tokyo Univ. of Sci.) ♯   On the new test statistic based on linear combination of Dempster
    Takahiro Nishiyama (Senshu Univ.)   statistics and T^2 statistics ··································· 15
    Takashi Seo (Tokyo Univ. of Sci.)

25 Hiroki Watanabe (Tokyo Univ. of Sci.) ♯   A determination of cut-off point for Euclidean distance discriminant
    Hyodo Masashi (Tokyo Univ. of Sci.)   rule in high-dimensional data ································· 15
    Seo Takashi (Tokyo Univ. of Sci.)

26 Aki Ishii   (Univ. of Tsukuba) ♯   On the distribution of the largest eigenvalue via geometric representa-
    Kazuyoshi Yata (Univ. of Tsukuba)   tion in high-dimension, low sample size context ················· 15
    Makoto Aoshima (Univ. of Tsukuba)

27 Kazuyoshi Yata (Univ. of Tsukuba) ♯   Asymptotic normality for inference on high-dimensional mean vectors
    Makoto Aoshima (Univ. of Tsukuba)   under mild conditions ·· 15

28 Fumiya Akashi (Waseda Univ.) ♯   An empirical likelihood approach toward discriminant analysis for non-
    Gaussian vector stationary processes ·························· 15

29 Yan Liu   (Waseda Univ.) ♯   A new way to estimate tail index ····························· 15

12:10–12:30   Presentation Ceremony for 2013 Analysis Prize

14:30–15:30   Talk invited by Statistics and Probability Section

Yoichi Nishiyama (Inst. of Stat. Math.)[♯]   A stochastic maximal inequality, weak convergence of infinite-dimensional martingales, and semiparametric statistics

15:45–16:45   Talk invited by Statistics and Probability Section

Kouji Yamamoto (Osaka Univ.)[♯]   Modelling for square contingency tables and its application

September 27th (Fri)

9:15–12:00

30   Kentaro Tanaka (Tokyo Tech)[♯]   Algebraic methods for conditional independence inference · · · · · · · · · · · 15

31   Yoshihide Kakizawa (Hokkaido Univ.)[♯]   Third-order average local powers of Bartlett-type adjusted tests: Ordinary versus adjusted profile likelihood · 15

32   Yoshihiko Maesono (Kyushu Univ.)[♯]   Smoothing of the Wilcoxon's signed rank test · 10

33   Yusuke Saigusa (Tokyo Univ. of Sci.)[♯]   Decomposition of symmetry using extended palindromic symmetry models for square contingency tables · 10
      Kouji Tahata (Tokyo Univ. of Sci.)
      Sadao Tomizawa (Tokyo Univ. of Sci.)

34   Masanori Sawa (Nagoya Univ.)[♯]   A lemma on the eigenvalues of Hermitian matrices and its application 2 —Proof of Fisher's inequality · 15

35   Masatake Hirao   [♯]   Constructions of optimal rotatable designs on the n-ball · · · · · · · · · · · 15
      (Tokyo Woman's Christian Univ.)
      Masanori Sawa (Nagoya Univ.)
      Masakazu Jimbo (Nagoya Univ.)

36   Sanpei Kageyama   [*]   An affine α-resolvable symmetric triangular design does not exist for any α · 10
      (Hiroshima Inst. of Tech.)

37   Sanpei Kageyama   Some existence of additive cyclic BIB designs · 15
      (Hiroshima Inst. of Tech.)
      Kazuki Matsubara (Hiroshima Univ.)

38   Takeshi Torii (Osaka Pref. Univ.)[*]   A nested row-column design with split units constructed by a regular generalized Youden design · 10
      Shinji Kuriki (Osaka Pref. Univ.)

39   Hiromu Yumiba (Int. Inst. for Nat. Sci.)[♯]   Existence conditions for balanced fractional factorial designs of resolution V derived from three-symbol simple arrays (III) · · · · · · · · · · · · · · · 15
      Yoshifumi Hyodo
      (Okayama Univ. of Sci./Int. Inst. for Nat. Sci.)
      Masahide Kuwada
          (Int. Inst. for Nat. Sci.)

40   Yiling Lin   (Nagoya Univ.)[♯]   Optimal equi-difference conflict-avoiding codes of odd length and weight three · 18
      Miwako Mishima (Gifu Univ.)
      Junya Satoh   (Nagoya Univ.)
      Masakazu Jimbo (Nagoya Univ.)