"Random analytic functions, random matrices, and determinantal processes"

Date: November 29, 2013
Venue: (Chu-)Seminar Room 3, Faculty of Mathematics-Institute of Mathematics for Industry, Ito-campus, Kyushu University
(3   3)
`http://www.kyushu-u.ac.jp/access/map/ito/ito-e.html`

Program

November 29 (Fri.)

10:00 – 10:50   Subhroshekhar Ghosh (Princeton)
    Large deviations for zeroes of random polynomials with exponential coefficients

11:00 – 11:50   Trinh Khanh Duy (IMI, Kyushu)
    Some results on spectral measures of Gaussian beta ensembles

11:50 – 13:20   Lunch

13:20 – 13:50   Makoto Katori (Chuo)
    Determinantal martingales and determinantal processes

13:50 – 14:20   Setsuo Taniguchi (FAS, Kyushu)
    Infinite products appearing in stochastic representations of soliton solutions

14:35 – 15:05   Tomoyuki Shirai (IMI, Kyushu)
    A cellular network model and α-ginibre point processes

15:05 – 15:35   Yasunari Fukai (FM, Kyushu)
    Hitting probability and green function of a two-dimensional simple random walk

15:50 – 16:20   Takashi Hara (FM, Kyushu)
    The approach to equilibrium in typical macroscopic quantum systems

16:20 – 16:50   Fumio Hiroshima (FM, Kyushu)
    The lowest eigenvalue of Rabi model and non-commutative harmonic oscillator

17:00 – 17:30   Hirofumi Osada (FM, Kyushu)
    Palm resolution and restore density formulae of Ginibre random point field