10th workshop on
Stochastic Analysis on Large Scale Interacting Systems

DATE	5th December (Monday) — 7th December (Wednesday), 2011
PLACE	Synthesis Research Building (Sogo Kenkyu To), 2F (1st floor), meeting room 1
ORGANIZERS	Takashi Kumagai (RIMS, Kyoto Univ.)
	Jun Misumi (Kochi Univ.)
	Hirofumi Osada (Kyushu Univ.)
	Yoshiki Otobe (Shinshu Univ.)
LOCAL ORGANIZERS	Jun Misumi (Kochi Univ.)
	Hironobu Sakagawa (Keio Univ.)
	Makiko Sasada (Keio Univ.)

This workshop is supported by

5th December (Monday)

9:50–10:00 (10) Hirofumi Osada (Kyushu Univ.)
Opening

10:00–10:40 (40) József Fritz (TU Budapest)
Hyperbolic scaling limits in a regime of shock waves

10:40–11:20 (40) Claudio Landim (IMPA)
Quenched scaling limits of trap models

11:20–11:40 (20) *Break*

11:40–12:20 (40) Jean-Dominique Deuschel (TU Berlin)
Marvov chain approximations to non-symmetric diffusions with bounded coefficients

12:20–12:40 (20) Makiko Sasada (Keio Univ.)
Spectral gap for energy exchange models with rate functions approaching zero

12:40–14:00 (80) *Lunch*

14:00–14:40 (40) Tomohiro Sasamoto (Chiba Univ.)
Replica analysis of the 1D KPZ equation

14:40–15:20 (40) Lorenzo Zambotti (Univ. Paris 6)
How to maximize neural complexity

15:20–15:50 (30) *Break*

15:50–16:30 (40) Roman Kotecký (Univ. Warwick)
From gradient Gibbs measures to nonlinear elasticity

16:30–17:10 (40) Dayue Chen (Peking Univ.)
The voter model in a random environment in $\mathbb{Z}^d$

17:10–17:40 (30) Yong Lɪᴜ (Peking Univ.)
On time regularity of generalized Ornstein–Uhlenbeck processes with cylindrical stable noise

6th December (Tuesday)

10:00–10:40 (40) Stefano Oʟʟᴀ (Univ. Paris–Dauphine)
Macroscopic energy diffusion in a chain of an-harmonic oscillators

10:40–11:00 (20) Takao Nɪsʜɪᴋᴀwᴀ (Nihon Univ.)
Hydrodynamic limit for the Ginzburg-Landau $\nabla\phi$ interface model with both a conservation law and the Dirichlet boundary condition

11:00–11:30 (30) *Break*

11:30–12:10 (40) Wolfgang Köɴɪɢ (Weierstraß-Institut Berlin)
Large deviations for cluster size distributions in a classical many-body system

12:10–12:30 (20) Ryoki Fᴜᴋᴜsʜɪᴍᴀ (Tokyo Institute of Technology)
Localization for annealed Brownian motion in a heavy tailed Poissonian potential

12:30–14:00 (90) *Lunch*

14:00–14:40 (40) Takashi Kᴜᴍᴀɢᴀɪ (RIMS, Kyoto Univ.)
Convergence of mixing times for sequences of random walks on finite graphs

14:40–15:20 (40) Hiroshi Mᴀᴛᴀɴᴏ (Univ. Tokyo)
Traveling waves in a recurrently sawtoothed cylinder and their homogenization limit

7th December (Wednesday)

9:40–10:20 (40) Erwin Bᴏʟᴛʜᴀᴜsᴇɴ (Univ. Zürich)
On the localization-delocalization critical line for the random copolymer

10:20–11:00 (40) Marek Bɪsᴋᴜᴘ (UCLA)
Eigenvalue order statistics for random Schrödinger operators

11:00–11:30 (30) *Break*

11:30–12:10 (40) Dmitry Iᴏꜰꜰᴇ (Technion)
Formation of facets in an equilibrium model of surface growth

12:10–12:50 (40) Hideki Tᴀɴᴇᴍᴜʀᴀ (Chiba Univ.)
Infinite Particle Systems associated with Airy kernel

12:50–14:10 (80) *Lunch*

14:10–14:50 (40) Tomoyuki Sʜɪʀᴀɪ (Kyushu Univ.)
Ginibre point process and its palm measures: absolute continuity and singularity

14:50–15:30 (40) Herbert Sᴘᴏʜɴ (TU München)
Discretizing the one-dimensional KPZ equation