Applications of the Renormalization Group Methods in Mathematical Sciences
Symposium

We invite you to the following symposium which is organized as one of the joint ventures of the Research Institute for Mathematical Sciences of Kyoto University.

organizer Keiichi R. Ito
(Faculty of Science and Tech., Setsunan Univ.)

c-co-organizer Akira Sakai
(Faculty of Sciences, Hokkaido Univ.)

date and time: 2011 September 12 (Mon.) 13:00 ~ 14 (Wed.) 16:50
Kitashirakawa, Sakyoku, Kyoto

programme (as of August 22)

Sept. 12 (Mon.)
13:00-13:50 Tomohiro Sasamoto (Chiba Univ.)
A replica analysis of the 1D KPZ equation
14:00-14:50 Shuji Watanabe (Gunma Univ.)
Temperature dependence of the solution of the BCS gap equation
15:00-15:50 Toshimitu Takaesu (Kyushu Univ.)
Functional Integral rep. for a relativistic Schödinger operator coupled with Scalar Bose Field
16:00-16:50 Yoshifumi Ito (Tokushima)
Angular Momentum and its Expectation value

Sept. 13 (Tue.)
10:00-10:50 C. Newman (Courant Inst. Math.Sci., NYU)
Ground State of the Two-Dimensional Spin Glass
11:00-11:50 P. Contucci (Bologna)
Stability of the Spin Glass Phase Under Perturbation
Sept. 13 (contd.)
13:00 -13:50 Keiichi R. Ito (Setsunan Univ.)
RG flow of 2D $O(N)$ spin model and absence of phase transitions
14:00-14:50 Teiji Kunihiro (Kyoto)
Derivation of Relativistic Hydrodynamic Equations for a viscous fluid based on the RG method
15:00-15:50 Fumio Hiroshima (Kyushu)
Spectrum of a scalar quantum field model on a Lorentzian Manifold
16:00-16:50 Itaru Sasaki (Shinshu)
Enhanced Binding for the Semi-relativistic Nelson Model
18:00— welcome party (Japanese cuisine ?)

Sept. 14 (Wed)
10:00-10:50 R. Sun (NUS, Singapore)
Brownian Web in the Scaling Limit of Supercritical Oriented Percolation in Dimension 1+1
11:00-11:50 C. Giardina (Modena)
Exactly Solvable Models of Heat Conduction
13:00-13:50 Federico Camia (VU Amsterdam)
Critical Ising Models and Measure Ensembles
14:00-14:50 Masanobu Takei (Osaka Elect-Comm. Univ.)
Yasunari Higuchi (Kobe)
Scaling relations for percolation in the 2D high temperature Ising model
15:00-15:50 Nobuo Yoshida (Kyoto)
Linear Stochastic Growth Models
16:00-16:50 T.B.A.
Open Problems in the Future (provisional)

Visit
to see the abstracts of these talks and the latest program.
Welcom party : September 13, 6:00 pm
Ganko Nijou-en (Japanese Cuisine)
tel: 075-223-3456
address: Naka-Gyo-Ku, Kiy-Machi-Dori, Nijou-Kudaru
(about 5,000 yen)
Proceedings: send your contribution by December 31, 2011