

# Novel Development of Statistical Physics

Any updates will be posted on  
<http://hatano-lab.iis.u-tokyo.ac.jp/hatano/NovelStat/>

**Date** December 4, 2012

**Place** Koshiba Hall, School of Science, University of Tokyo  
<http://www.s.u-tokyo.ac.jp/en/map/map01.html>

## Program

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9:30-9:40	Opening
9:40-10:10	Makoto Katori (Chuo U.) Vicious Brownian motions, entire functions, and quantum Toda lattice
10:20-10:50	Koji Hukushima (U. Tokyo) Phase transition in lattice packing problems
11:00-11:20	Takashi Mori (U. Tokyo) Statistical physics in long-range interacting systems
11:25-11:40	Break
11:40-12:10	Takahiro Hatano (U. Tokyo) Micro-Macro correspondence in sliding friction
12:20-12:40	Takashi Shimada (U. Tokyo) Diversifying transition in a simple model of ecosystems
12:45-13:45	Lunch
13:45-14:15	Olivier Cepas (CNRS/UJF) Spontaneous generation of dynamical heterogeneities and glass transition in a geometrically frustrated spin model
14:25-14:55	Akinori Nishino (Kanagawa U.) Exact scattering eigenstates of double quantum-dot systems with an interdot Coulomb interaction
15:05-15:25	Takashi Imamura (U. Tokyo) Replica analysis of the one-dimensional Kardar-Parisi-Zhang equation
15:30-15:45	Break
15:45-16:05	Hosho Katsura (Gakushuin U.) Sine-square deformations of one-dimensional critical systems
16:10-16:30	Keisuke Totsuka (Kyoto U.) Geometric phases in magnetization plateaus — possible spin-liquid phases in high magnetic field
16:35-16:55	Keiji Saito (Keio U.) Exact solution of a Levy walk model for anomalous transport and related topics
17:00-17:10	Break
17:10-17:50	Special Lecture by Masuo Suzuki Irreversibility and entropy production in transport phenomena
18:00-18:10	Closing
18:30-20:30	Reception Party at Sanjo Conference Hall Celebration of Suzuki Sensei's decoration with The Order of the Sacred Treasure, Gold Rays with Neck Ribbon

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## Contacts

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