

# Discrete Geometry and Dynamical Systems

Faculty of Science Building No 3-110 Kyoto University JAPAN

2013 January	22(Tues)	23(Wed)	24(Thus)	25(Fri)
9:30~10:30	Farber	Karasev	Tabachnikov	Kappeler
11:00~12:00	Iwase	Kato	Zuk	Gomi
13:30~14:30	Mimura	Sharygin	Li	Nayatani
15:00~16:00	J-M Bismut	Wang	Akopyan	Xie
16:30~17:30	(Diff.Top.Seminar)	Schuetz	Asaoka	

## Speakers:

- M. Asaoka (Kyoto) Growth of critical points in one-dimensional lattice systems(with T.Fukaya, K.Mitsui, and M.Tsukamoto)
- A. Akopyan (Moscow) Cutting the same fraction of several measures (joint work with R. Karasev)
- M.Farber (Warick) Topology of random 2-complexes
- K.Gomi (Shinshu) Mickelsson's twisted K-theory invariant and its generalization
- N. Iwase (Kyushu) Associahedra, Multiplihedra and units in  $A_{\infty}$  form
- T.Kappeler (Zurich) Large number of particles asymptotics of Toda lattices
- R.Karasev (Moscow) Borsuk-Ulam type theorems for metric spaces
- T. Kato (Kyoto) Hamiltonian deformation of groups acting on trees
- H.Li (Buffalo) Mean dimension and von Neumann-Luck Dimension
- M. Mimura (Tohoku) Banach spectral gaps of finite graphs
- S.Nayatani (Nagoya) Fixed-point property of infinite groups -- a survey
- D.Schuetz (Durham) Intersection homology of linkage spaces
- G. Sharygin (Moscow) Obstructions to the deformation quantization of integrable systems
- S.Tabachnikov (Penn State) The Pentagram map: twenty years after
- Q.Wang (Donghua) Fibered coarse embedding of metric spaces into Hilbert space and its applications to operator K-theory
- Z.Xie (Vanderbilt) Positive scalar curvature, higher rho invariants and localization algebras
- A.Zuk (Paris) Expanders

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