Recent Progress in Ergodic Theory

Dates October 17 (Wed) – October 19 (Fri), 2018

Venue Room 110, Research Institute for Mathematical Sciences, Kyoto University

Organizers Hitoshi Nakada (Keio University), Rie Natsui (Japan Women's University)

PROGRAM

October 17 (Wed)

13:00–14:00 Mike Keane (TU Delft and Leiden University)
Homomorphisms of Noncommutative Bernoulli Schemes

14:10–15:00 Yoshikata Kida (University of Tokyo)
Orbit equivalence relations generated by the Baumslag-Solitar groups (I)

15:10–16:00 Masato Takei (Yokohama National University)
Topics on a class of probabilistic cellular automata related to percolation

16:10–17:00 Toru Sera (Kyoto University)
Multidimensional arcsine laws for intermittent interval maps

October 18 (Thu)

10:00–11:00 Omri Sarig (Weizmann Institute)
Local limit theorems for inhomogeneous Markov chains (joint with D. Dolgopyat)

11:20–12:10 Yoshikata Kida (University of Tokyo)
Orbit equivalence relations generated by the Baumslag-Solitar groups (II)

13:30–14:20 Tomoyuki Shirai (Kyushu University)
Determinantal processes and spanning acycle entropy (I)

14:40–15:30 Masato Takei (Yokohama National University)
Limiting behavior of reinforced random walks on trees

15:50–16:50 Zemer Kosloff (Hebrew University)
Nonsingular Bernoulli shifts over amenable groups

October 19 (Fri)

10:00–10:50 Tomoyuki Shirai (Kyushu University)
Determinantal processes and spanning acycle entropy (II)

11:00–11:50 Hisatoshi Yuasa (Osaka Kyoiku University)
Strictly ergodic models for infinite measure-preserving systems

12:10–13:10 Jon Aaronson (Tel Aviv University)
Rational weak mixing and local limit theorems for Gibbs Markov semiflows