Recent Progress in Ergodic Theory

Dates October 11 (Wed) – October 13 (Fri), 2017

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

Organizers MasatoTsujii (Kyushu University), Rie Natsui (Japan Women's University)

PROGRAM

October 11 (Wed)

10:00–11:00 Xiangdong Ye (University of Science and Technology of China)
Measurable and topological aspects of multiple ergodic averages

11:15–12:15 Wen Huang (University of Science and Technology of China)
Measure complexity and Mobius disjointness

13:30–14:30 Uijin Jung (Ajou University)
Lifts of ergodic measures and their multiplicity structure for factor maps between shifts of finite type I : Structure of the inverses of an ergodic measure

14:45–15:45 Yiwei Zhang (Huazhong University of Science and Technology)
Ergodic optimization and Sanark Conjecture

October 12 (Thu)

10:00–11:00 Hiroki Sumi (Kyoto University)
Mean stability and spectral gap property in random dynamical systems

11:15–12:15 Hiroki Sumi (Kyoto University)
Multifractal analysis of the real and complex random dynamical systems

13:30–14:30 Johannes Jaerisch (Shimane University)
Thermodynamic formalism for infinitely generated hyperbolic conformal systems I: semigroups of rational maps

14:45–15:45 Xiangdong Ye (University of Science and Technology of China)
Some recent progress on sequence entropy

16:00–17:00 Wen Huang (University of Science and Technology of China)
Stable Sets and Chaos in Positive Entropy Systems

October 13 (Fri)

10:00–11:00 Uijin Jung (Ajou University)
Lifts of ergodic measures and their multiplicity structure for factor maps between shifts of finite type II : Realization of multiplicity

11:15–12:15 Johannes Jaerisch (Shimane University)
Thermodynamic formalism for infinitely generated hyperbolic conformal systems II: Kleinian group