Recent Progress in Ergodic Theory

Dates November 9 (Wed) – November 11 (Fri), 2022

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

Organizers Michihiro Hirayama (University of Tsukuba),
Rie Natsui (Japan Women's University)

PROGRAM

November 9 (Wed)

13:50–14:40 Takehiko Morita (Osaka University)
Transfer operators on expedient Banach algebras for piecewise expanding fibred systems I

15:00–15:50 Charlene Kalle (Leiden University) (Zoom)
Shifted Hurwitz complex continued fractions

16:00–16:50 Karma Dajani (Utrecht University) (Zoom)
Equilibrium States for the Random β-Transformation through g-Measures

November 10 (Thu)

10:30–11:20 Hisayoshi Toyokawa (Kitami Institute of Technology)
Finitude of ergodic σ-finite invariant measures for Markov operators

11:40–12:30 Haruyoshi Tanaka (Wakayama Medical University)
Quasi-compactness of transfer operators for topological Markov shifts with holes
and some applications

13:50–14:40 Takehiko Morita (Osaka University)
Transfer operators on expedient Banach algebras for piecewise expanding fibred systems II

15:00–15:50 Cor Kraaikamp (Delft University of Technology) (Zoom)
Orbits of N-expansions with a finite set of digits

November 11 (Fri)

10:00–10:50 Kenichiro Yamamoto (Nagaoka University of Technology)
On large deviations and two conjectures for piecewise monotonic interval maps

11:10–12:00 Takehiko Morita (Osaka University)
Transfer operators on expedient Banach algebras for piecewise expanding fibred systems III