Winter Workshop on Dynamical systems

Date: Jan 5 (Friday) - Jan 8 (Monday), 2024 Venue: Layup Miyukicho Build. room 6-D, Miyukicho, Aoi Ward, Shizuoka, 420-0857

	Friday 5	Saturday 6	Sunday 7	Monday 8
9:45 - 10:30	-	Motomasa Komuro	Masato Hara	Yuki Takahashi
10:45 - 11:30	-	Jin Hatomoto	Kazuyuki Yagasaki	Hiroki Takahasi
13:30 - 14:15	-	Short Comm.	Yuxuan Liu	-
14:30 - 15:15	Yushi Nakano	Short Comm.	Neil Dobbs	-
15:30 - 16:15	Toru Sera	Koichi Hiraide	Shoya Motonaga	-
16:30 - 17:15	Nima Alibabaei	Shin Kiriki	Short Comm.	-

Jan 5 (Friday)

14:30 - 15:15	Yushi Nakano (Tokai University)
	Quasi-limit theorems in open dynamical systems
15:30 - 16:15	Toru Sera (Osaka University)
	Large deviation estimates related to arcsine laws for intermittent maps
16:30 - 17:15	Nima Alibabaei (Kyoto University)
	Weighted topological entropy and Hausdorff dimension

Jan 6 (Saturday)

9:45 - 10:30	Motomasa Komuro (University of Tokyo)
	On bifurcation of coupled sin-circle maps (5)
10:45 - 11:30	Jin Hatomoto (National Institute of Technology, Tokyo College)
	Poisson limit distribution for diffeomorphisms with weak hyperbolic product struc-
	ture
13:30 - 15:15	Short Communications
	Nanami Higuchi (Ochanomizu University)
	Existence of Maximizing Measures for Bowen potentials on Countable Markov Shifts
	Mai Oguchi (Ochanomizu University)
	On the specification property for (α, β) -transformations
	Hajime Tateishi (Kyoto University)
	Non-existence of invariant curves of billiard systems
	Tomoharu Suda (RIKEN)
	Generalizing concepts in dynamical systems
	Taiga Kurokawa (Kyoto University)
	A new variational structure for endpoints energy constrained two-point boundary
	value problems in non-autonomous Lagrangian systems

- 15:30 16:15 Koichi Hiraide (Osaka Metropolitan University) Rapid deterioration of convergence in Taylor expansions of linearizing maps for quadratic maps at saddle fixed points
 16:30 - 17:15 Shin Kiriki (Tokai University)
- Robust pluripotency of wandering dynamics

Jan 7 (Sunday)

$9{:}45 - 10{:}30$	Masato Hara (Kyoto University)
	Learning dynamics by reservoir computing
10:45 - 11:30	Kazuyuki Yagasaki (Kyoto University)
	Solvability of integrable partial differential equations under meromorphic initial con-
	ditions by quadrature
13:30 - 14:15	Yuxuan Liu (Kyushu University)
	Exponential mixing for $C^{1+\alpha}$ $U(1)$ -extensions with discontinuities
14:30 - 15:15	Neil Dobbs (University College Dublin)
	Optimal bounds for the Hausdorff dimension of some quadratic Julia sets
15:30 - 16:15	Shoya Motonaga (Ritsumeikan University)
	Duality principle in ergodic optimization and thermodynamic formalism
16:30 - 17:15	Short Communications
	Joowan Park (Kyushu University)
	Critical polyratio and core entropy
	Mitsuru Shibayama (Kyoto University)
	On the last KAM curve around an elliptic fixed point of a rea-preserving maps
	Yoshiki Takeguchi (Kyoto University)
	Design of optimal spacecraft trajectories by using dynamical systems theory

Jan 8 (Monday)

9:45 - 10:30	Yuki Takahashi (Saitama University)
	On the dimension of projective Iterated Function Systems
10:45 - 11:30	Hiroki Takahasi (Keio University)
	High complexity ergodic optimization for the Dyck-Motzkin shifts

Organizer: Zin Arai (zin@c.titech.ac.jp)