

Program of RIMS Symposium (open)
Dynamical Systems: Theory and Applications
RIMS 共同研究 (公開型) 「力学系の理論と応用」プログラム

Venue : Hybrid (RIMS, Kyoto Univ. 420/京都大学数理解析研究所 420 室 & Zoom)

Schedule : June 3-7, 2024 / 2024 年 6 月 3 日 (月) 13:20 – 6 月 7 日 (金) 14:50

HP : <http://saiki.hub.hit-u.ac.jp/rims2024.html>

May 15, 2024

You can get the latest program and the abstract from the above webpage.

Please fill in the registration form to get the Zoom link by the end of May.

事前登録者にのみ Zoom リンクをお知らせ致しますので、研究集会ホームページ上の登録フォームから 5/31 までに登録ください。講演者と対面のみ参加者は登録不要です。

[June 3, Monday]

13:20-13:30

Introduction/趣旨説明

13:30-14:15

Speaker: Motomasa Komuro (University of Tokyo)/小室元政 (東京大学)

Title: BIFURCATIONS OF COUPLED SIN-CIRCLE MAPS (6)/結合サインサークル写像の分岐について (6)

14:30-15:15

Speaker: Isao Ishikawa (Ehime University)/石川勲 (愛媛大学)

Title: 力学系から定まる局所解析汎函数上の押し出しの有限次元近似について

15:30-16:15

Speaker: Kohei Ueno (Daido University)/上野康平 (大同大学)

Title: Newton polygons and Bottcher coordinates for skew products: superattracting case and polynomial case

16:25-16:50 [short communication]

Speaker: Yanghong Yu (Tokyo Institute of Technology)/余楊鴻 (東京工業大学)

Title: Transition Matrix without Continuation in the Conley Index

[June 4, Tuesday]

10:00-10:25 [short communication]

Speaker: Masato Hara (Kyoto University)/原誠人 (京都大学)

Title: A reservoir computing method for dynamical systems on manifolds/多様体上の力学系のリザーバー計算

10:30-10:55 [short communication]

Speaker: Kengo Nakai (Okayama University)/中井拳吾 (岡山大学)

Title: Low-period periodic orbits model the Lorenz attractor

11:05-11:50

Speaker: Tomoharu Suda (Tokyo University of Science)/須田智晴 (東京理科大学)

Title: Remarks on the structure of time series data

Lunch break

13:30-14:50 [special talk]

Speaker: Michio Yamada (Kyoto University)/山田道夫 (京都大学)

Title: TBA

15:05-16:05 [special talk]

Speaker: Hiroaki Miura (University of Tokyo)/三浦裕亮 (東京大学)

Title: TBA

16:15-16:55 [special talk]

Speaker: Takuya Jinno (Toyama University)/神野拓哉 (富山大学)

Title: 二次元格子モデルを用いた積雲対流の自己組織化現象についての研究

[June 5, Wednesday]

10:00-10:45

Speaker: Akio Matsumoto (Chuo University)/松本昭夫 (中央大学)

Title: Delay Solow Model Revisited

11:00-11:45

Speaker: Tomoo Yokoyama (Saitama University)/横山知郎 (埼玉大学)

Title: Structural stability of “incompressible” line fields on surfaces and generic intermediate line fields

Lunch break

13:30-14:15 [English]

Speaker: Yi-Chuan Chen (Academia Sinica)

Title: More on the Concept of Anti-integrability for Hénon Maps

14:30-15:15 [English]

Speaker: Tomoki Kawahira (Hitotsubashi University)/川平友規 (一橋大学)

Title: J -stability in complex and non-Archimedean dynamics

15:35-16:20 [English]

Speaker: Yuto Nakajima (Tokai University)/中島由人 (東海大学)

Title: On the zeros of power series

16:30-16:55 [short communication, English]

Speaker: Kanji Inui (Doshisha University)/伊縫 寛治 (同志社大学)

Title: An example of non-ergodic measure preserving systems

[June 6, Thursday]

10:00-10:25 [Zoom, short communication, English]

Speaker: Yuki Yayama (Universidad del Bío-Bío)/矢山ゆき (バイオ大学)

Title: On Gibbs measures for almost additive potentials

10:35-11:45 [special talk, English]

Speaker: Mao Shinoda (Ochanomizu University)/篠田万穂 (お茶の水女子大学)

Title: Ergodic optimization for continuous functions on non-Markov shifts

Lunch break

13:30-14:40 [special talk, English]

Speaker: Renaud Leplaideur (Université de la Nouvelle-Calédonie)

Title: Some advances in the selection problem of measures at zero temperature

14:55-15:20 [short communication, English]

Speaker: Hiroki Takahasi (Keio University)/高橋博樹 (慶應義塾大学)

Title: Large deviation principle and distribution of periodic points for the Dyck shift and the heterochaos baker maps

15:30-16:50 [special talk]

Speaker: Masaru Inatsu (Hokkaido University)/稲津将 (北海道大学)

Title: 中高緯度大気の予測可能性

[June 7, Friday]

10:00-10:45

Speaker: Shousuke Ohmori (National Institute of Technology, Gunma College, Waseda University) • Yoshihiro Yamazaki (Waseda University)/大森祥輔 (群馬工業高等専門学校, 早稲田大学) • 山崎義弘 (早稲田大)[共同発表]

Title: Ultradiscrete Bifurcation for low-dimensional ultradiscrete dynamical systems/低次元超離散力学系の分岐構造

11:00-11:45

Speaker: Kazuyuki Yagasaki (Kyoto University)/矢ヶ崎一幸 (京都大学)

Title: Semiclassical Perturbations of Single-Degree-of-Freedom Hamiltonian Systems: Separatrix Splitting and Nonintegrability

Lunch break

13:30-13:55 [short communication]

Speaker: Shin-itiro Goto (Chubu University)/後藤振一郎 (中部大学)

Title: Derivation of a contact Hamiltonian system from the Fokker-Planck equation

14:05-14:50

Speaker: Sogo Murakami (University of Tokyo)/村上聡梧 (東京大学)

Title: Multidimensional C^0 transversality and the shadowing property for Axim A diffeomorphisms