複素力学系研究とその発展
(Complex dynamics and its development)

Dates: December 10 (Mon) 10:30 – December 14 (Fri) 12:00, 2018
Place: Room 111 in RIMS, Kyoto University
Organizers: Yûsuke Okuyama (Kyoto Institute of Technology, chair)
　　　　　　 Mitsuhiro Shishikura (Kyoto University)

PROGRAM

December 10 (Mon)

10:30 – 11:00　　　　　　　Yûsuke Okuyama (Kyoto Institute of Technology)
Degeneration of regular quadratic polynomial endomorphisms of $\mathbb{C}^2$ towards a Hénon map

11:15 – 11:45　　　　　　　Masashi Kisaka (Kyoto University)
Entire functions with prescribed dynamics

13:30 – 14:30　　　　　　　Takayuki Koike (Osaka City University)
On the neighborhood of a torus leaf and dynamics of holomorphic foliations

14:45 – 15:45　　　　　　　Shigehiro Ushiki (Kyoto University)
Julia set of a compact surface automorphism of positive entropy ― an example of $J^* \neq J$

16:00 – 17:00　　　　　　　Kohei Ueno (Daido University)
Vertical dynamics of holomorphic skew products with superattracting fixed points: attraction rates and plurisubharmonic functions

December 11 (Tue)

9:30 – 10:30　　　　　　　Mattias Jonsson (University of Michigan)
Complex, non-Archimedean, and hybrid dynamics (I)

10:45 – 11:45　　　　　　　Ilmari Kangasniemi (University of Helsinki)
Uniformly quasiregular dynamics and cohomological obstructions (I)

13:30 – 14:30　　　　　　　Johannes Jaerisch (Shimane University)
Thermodynamic formalism for transient dynamics on the real line

14:45 – 15:45　　　　　　　Mitsuhiro Shishikura (Kyoto University)
Oscillating wandering domain for a transcendental entire function of class B

16:00 – 17:00　　　　　　　Tomoko Shinohara (Tokyo Metropolitan College of Industrial Technology)
Examples of local dynamics at a fixed indeterminate point

December 12 (Wed)

9:30 – 10:30　　　　　　　Mattias Jonsson (University of Michigan)
Complex, non-Archimedean, and hybrid dynamics (II)

10:45 – 11:45　　　　　　　Ilmari Kangasniemi (University of Helsinki)
Uniformly quasiregular dynamics and cohomological obstructions (II)

13:30 – 14:30   Hideki Miyachi (Kanazawa University)
Toward complex analysis on Teichmüller space

14:45 – 15:45   Shizuo Nakane (Tokyo Polytechnic University)
Fiber Julia sets for maps with super-saddle fixed points

16:00 – 17:00   Toshi Sugiyama (Gifu Pharmaceutical University)
The moduli space of polynomial maps and their fixed point multipliers

December 13 (Thr)
9:30 – 10:30   Mattias Jonsson (University of Michigan)
Complex, non-Archimedean, and hybrid dynamics (III)

10:45 – 11:45   Keiji Oguiso (University of Tokyo)
Minimum positive entropy of complex Enriques surface automorphisms

13:30 – 14:30   Kanji Inui (Kyoto University)
Dimensions and measures of the limit sets of infinite conformal IFSs related to the
generalized complex continued fractions
14:45 – 15:45   Takayuki Watanabe (Kyoto University)
Markov random complex dynamical systems

16:00 – 17:00   Hiroki Sumi (Kyoto University)
Classification of generic random holomorphic dynamical systems associated with
analytic families of rational maps

December 14 (Fri)
 9:30 – 10:30   Tomoki Kawahira (Tokyo Institute of Technology)
Almost affine copies of the Julia sets in the Mandelbrot set

10:45 – 11:45   Hiroyuki Inou (Kyoto University)
On accessible hyperbolic components for the tricorn

(以上)