

# Complex Analysis

March 23rd (Mon) Conference Room VII

## 9:30–11:45

04-01-0006

- 1 Saburoou Saitoh \* New meanings of the division by zero and interpretations on  $100/0=0$  and on  $0/0=0$  ..... 15  
 (Gunma Univ.\*/Inst. of Reproducing Kernels)  
 Masao Kuroda (Gunma Univ.\*)  
 Hiroshi Michiwaki (NejiLaw Inc.)  
 Masami Yamane  
 (Inst. of Reproducing Kernels)

04-01-0007

- 2 Saburoou Saitoh (Gunma Univ.\*) \* A new concept for the point at infinity and the division by zero  $z/0=0$  (note) ..... 15  
 Hiroshi Michiwaki (NejiLaw Inc.)  
 Masako Takagi  
 (Inst. of Reproducing Kernels)

04-01-0020

- 3 Rikio Yoneda \* The Fredholm Toeplitz operator and the Berezin transform ..... 10  
 (Otaru Univ. of Commerce)

04-01-0016

- 4 Kiyoki Tanaka (Osaka City Univ.) Boundary behavior of harmonic Bergman kernels ..... 15  
 Masaharu Nishio (Osaka City Univ.)

04-01-0008

- 5 Hiroaki Aikawa (Hokkaido Univ.) Construction of a domain which fails to satisfy the global boundary Harnack principle with the aid of the Helmholtz equation ..... 15

04-99-0001

- 6 Nobushige Toda \* On the defect relation for holomorphic curves ..... 15  
 (Nagoya Inst. of Tech.\*)

04-01-0014

- 7 Hiroki Sumi (Osaka Univ.) Randomness-induced phenomena and negativity of Lyapunov exponents in random dynamical systems of complex polynomials ..... 15

04-01-0015

- 8 Shunsuke Morosawa (Kochi Univ.) On dynamics of rational semigroups whose Julia sets are Cantor targets ..... 15

## 14:15–14:45

04-01-0013

- 9 Hideki Miyachi (Osaka Univ.) Spirals and the asymptotic Teichmüller space ..... 15

04-01-0022

- 10 Hiromi Ohtake (Kyoto Univ. of Edu.) \* On isometric mappings from the unit disk to Teichmüller spaces ..... 15

## 15:10–16:10 Talk Invited by Complex Analysis Section

04-02-0001

- Hiroshige Shiga (Tokyo Tech) On the deformation spaces of Kleinian groups

## 16:25–17:25 Award Lecture for 2014 Analysis Prize

04-02-0003

- Hidetaka Hamada Approximation of holomorphic mappings on spirallike domains in  $\mathbb{C}^n$   
 (Kyushu Sangyo Univ.)

March 24th (Tue) Conference Room VII

## 9:30–11:45

04-01-0002

- 11 Atsuhira Nagano (Waseda Univ.) Icosahedral invariants and Shimura curves ..... 10

04-01-0003

- 12 Atsuhira Nagano (Waseda Univ.) Icosahedral invariants and CM points ..... 10

- 04-01-0010  
13 Takayuki Koike (Univ. of Tokyo)\* On the minimality of canonically attached singular Hermitian metrics on certain nef line bundles ..... 10
- 04-01-0011  
14 Katsusuke Nabeshima  
(Univ. of Tokushima)  
Shinichi Tajima (Univ. of Tsukuba)  
An extended ideal membership algorithm in a local ring ..... 15
- 04-01-0012  
15 Shinichi Tajima (Univ. of Tsukuba) Integral dependence relations and local cohomology ..... 15  
Katsusuke Nabeshima  
(Univ. of Tokushima)
- 04-01-0009  
16 Kohei Ueno (Daido Univ.)\* Böttcher coordinates at superattracting fixed points of holomorphic skew products ..... 15
- 04-01-0019  
17 Tomoko Shinohara Local dynamics at an indeterminate point of Newton's method ..... 15  
(Tokyo Metro. Coll. of Ind. Tech.)
- 04-01-0021  
18 Junichi Mukuno (Nagoya Univ.) On the automorphism groups of unbounded homogeneous domains with the boundaries of light cone type ..... 15  
Yoshikazu Nagata (Nagoya Univ.)
- 04-01-0017  
19 Atsushi Yamamori (POSTECH) The automorphism group of a certain unbounded Reinhardt domain ..... 10  
Hyeseon Kim (POSTECH)  
Van Thu Nihn (POSTECH)
- 14:15–15:10**
- 04-01-0005  
20 Akio Kodama (Kanazawa Univ.)<sup>b</sup> On the holomorphic automorphism group of a generalized Hartogs triangle and a related question ..... 15
- 04-01-0001  
21 Tatsuhiro Honda  
(Hiroshima Inst. of Tech.) Sufficient conditions for univalence and starlikeness in complex Banach spaces ..... 15  
Ian Graham (Univ. of Toronto)  
Hidetaka Hamada  
(Kyushu Sangyo Univ.)  
Gabriela Kohr (Babeş-Bolyai Univ.)  
Kwang Ho Shon (Pusan National Univ.)
- 04-01-0004  
22 Masakazu Shiba (Hiroshima Univ.)\* Hyperbolic span and pseudoconvexity ..... 15  
Hiroshi Yamaguchi (Shiga Univ.)\*  
Sachiko Hamano (Fukushima Univ.)
- 15:30–16:30 Talk Invited by Complex Analysis Section**
- 04-02-0002  
Yusaku Tiba (Tokyo Tech) A minimum principle of a maximal plurisubharmonic function and its application to the complex Monge–Ampère equation