

# Complex Analysis

September 18th (Tue)      Session Room II

## 10:00–12:00

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|---|--|---|----|
| 1 | Hitoshi Shiraishi (Kinki Univ.) <sup>#</sup>   | Extensions of Nunokawa lemma for argument properties . . . . .                            | 15 |
| 2 | Toshio Hayami (Kinki Univ.) <sup>#</sup>   | A sufficient condition for $p$ -valently harmonic functions . . . . .                     | 15 |
| 3 | Tsubasa Itoh (Hokkaido Univ.) <sup>#</sup>   | Modulus of continuity of $p$ -Dirichlet solutions in a metric measure space<br>. . . . .  | 15 |
| 4 | Rikio Yoneda<br>(Otaru Univ. of Commerce)  | * Toeplitz and Hankel operators on the Bergman spaces with closed range<br>. . . . .      | 15 |
| 5 | Fumi-Yuki Maeda (Hiroshima Univ.) <sup>*</sup><br>Mizuta Yoshihiro<br>(Hiroshima Inst. of Tech.)<br>Takao Ohno (Oita Univ.)<br>Tetsu Shimomura (Hiroshima Univ.) | Approximate identities and Young type inequalities in Musielak–Orlicz<br>spaces . . . . . | 15 |

## 14:30–16:15

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| 6  | Yoshihiko Shinomiya (Tokyo Tech) <sup>#</sup>    | Veech holomorphic families of Riemann surfaces and Diophantine prob-<br>lems . . . . .                     | 15 |
| 7  | Masahiro Yanagishita (Waseda Univ.) <sup>#</sup> | Teichmüller distance and Kobayashi distance on subspaces of the uni-<br>versal Teichmüller space . . . . . | 15 |
| 8  | Hideki Miyachi (Osaka Univ.) <sup>#</sup>        | A Characterization of biholomorphic automorphisms of Teichmüller space<br>. . . . .                        | 15 |
| 9  | Yohei Komori (Waseda Univ.) <sup>#</sup>         | On growth rates of 3-dimensional hyperbolic Coxeter prisms . . . . .                                       | 15 |
| 10 | Katsuhiko Matsuzaki (Waseda Univ.) <sup>#</sup>  | Conjugation of a circle diffeomorphism group to a Moebius group . . . .                                    | 15 |

## 16:30–17:30 Invited Talk by Research Section

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| Toshiyuki Sugawa (Tohoku Univ.) <sup>#</sup> | Generalization of the Schwarzian derivative —Towards more invariance<br>and higher orders |
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September 19th (Wed)      Session Room II

## 10:00–12:00

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| 11 | Yan-Yan Wang (Nagoya Univ.) <sup>*</sup>   | Variations of Bergman kernels for some explicitly given families of planar<br>domains . . . . .    | 20 |
| 12 | Shin Kikuta (Sophia Univ.)   | On restricted Carathéodory pseudo-volume forms (corrections) . . . . .                             | 20 |
| 13 | Sachiko Hamano (Fukushima Univ.) <sup>#</sup>  | Log-plurisubharmonicity of metric deformations induced by Schiffer and<br>harmonic spans . . . . . | 15 |
| 14 | Peter Duren (Univ. of Michigan) <sup>#</sup><br>Hidetaka Hamada<br>(Kyushu Sangyo Univ.)<br>Gabriela Kohr (Babeş-Bolyai Univ.) | Two-point distortion theorems for harmonic and pluriharmonic map-<br>pings . . . . .               | 15 |

15 Ian Graham (Univ. of Toronto)<sup>#</sup> Extension operators and subordination chains ..... 15  
Hidetaka Hamada  
(Kyushu Sangyo Univ.)  
Gabriela Kohr (Babeş-Bolyai Univ.)

16 Satoru Shimizu (Tohoku Univ.) Diffeomorphisms between Siegel domains of the first kind preserving the  
Akio Kodama (Kanazawa Univ.) holomorphic automorphism groups and applications ..... 15

**13:15–14:15 Invited Talk by Research Section**

Hiroshi Yamaguchi (Shiga Univ.)<sup>#</sup> Pseudoconvex domains in the Hopf surface

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