Workshop on Geometric Function Theory
and
Special Functions III

Program

February 5 (Wednesday)

09:40 − 10:30 Toshiyuki Sugawa (Tohoku University, Japan)
New quantities characterizing uniformly perfect sets

10:40 − 11:10 Yutong Liu (Beihang University, China / Tohoku University, Japan)
Subspaces of the universal Teichmüller space and function spaces

11:20 − 12:10 Hiroshi Yanagihara (Yamaguchi University, Japan)
Loewner Theory on Covering Maps

13:40 − 14:10 Tanran Zhang (Soochow University, China)
Möbius invariant metrics and uniform perfectness

14:20 − 14:50 Alam Md Shafiul (Tohoku University, Japan)
Hypergeometric functions as automorphic forms on Shimura curves

15:00 − 15:30 Ming Li (Changsha University of Science and Technology, China)
The parametric coefficients of the Carathéodory function and its applications

15:40 - 16:30 Hiroshige Shiga (Kyoto Sangyo University, Japan)
On moduli spaces of generalized Cantor sets

16:40 − 17:30 Hiroki Fujino (Nagoya University, Japan)
Reflection principles for minimal or maximal surfaces

18:30 − 20:30 Dinner at a restaurant in the downtown

February 6 (Thursday)

10:00 − 10:30 Gangqiang Chen (Tohoku University, Japan)
Variability regions for the second derivative of bounded analytic functions

10:40 − 11:20 Young Jae Sim (Kyungsung University, Korea)
On coefficient problems for functions in subclasses of S

11:30 − 12:00 Lijie Sun (Shandong University at WeiHai, China)
Notes on the quasiconformal mappings on the Heisenberg group

13:30 − 14:20 Matti Vuorinen (University of Turku, Finland / Guandong Technion, China)
Conformal invariants - computation, theory, and experiments

14:30 − 15:00 Masayo Fujimura (National Defense Academy, Japan)
Geometry of finite Blaschke products: duality and its applications

15:10 − 16:00 Barkat Ali Bhayo (Sukkur IBA University, Pakistan)
On new means generated by generalized trigonometric functions

16:10 − 16:40 Jingjing Su (Beihang University, China / Tohoku University, Japan)
Certain nonlinear waves modulated by long waves in the AB system

16:50 − 17:20 Tingting Jia (Beihang University, China / Tohoku University, Japan)
On the quintic time-dependent-coefficient derivative nonlinear Schrödinger equation in hydrodynamics

Organizer
Toshiyuki Sugawa (Tohoku Univ.)

Secretary
Rintaro Ohno (Tohoku Univ.)