

Program

Venue: Room 4. The 100th Anniversary Memorial Hall (4th Floor)
Gakushuin University, Mejiro, Tokyo

Wednesday, December 17

10:00-10:10 Registration and Opening

10:10-10:40 Fumi-Yuki Maeda

On mathematical works of Professor Makoto Ohtsuka

10:50-11:50 Hiroaki Aikawa

Continuity problem of the extremal length

14:00-15:00 Fumi-Yuki Maeda

Some relations between Bessel potential and Wolff potential involving variable exponents

15:30-16:30 Huy Qui Bui

Affine frames, scale-averaging, and the solution of the Mexican hat problem

Thursday, December 18

10:00-11:00 Maretsugu Yamasaki

The effective resistance of an infinite network

11:15-12:15 Shigeyasu Kamiya

Shimizu's Lemma for Complex Hyperbolic Space

13:30-14:30 Olli Martio

Quasiminimizers — Definitions, Properties and Open Problems

14:45-15:45 Masakazu Shiba

Flows on a Riemann surface extendable beyond the ideal boundary and generalizations of the Poiseuille flow

16:00-17:00 Tadashi Nakamura

A computer-aided algorithm for the normal probability

Friday, December 19

10:00-11:00 Hiroaki Masaoka

Characterization for coincidence of harmonic Hardy spaces with distinct indices on a hyperbolic Riemann surface

11:15-12:15 Yoshihiro Mizuta

Continuity properties of Riesz potentials of Orlicz functions

14:00-15:00 Matti Vuorinen

On quasiconformal maps with identity boundary values

15:15-16:15 Hiroshi Yamaguchi

A lemma for the reproducing form of a domain in \mathbb{R}^n ($n \geq 4$)

16:15-17:00 All participants

Free discussions on potential theory and related fields

Saturday, December 20

10:00–17:00 Excursion and discussions

By public transportation we visit Mt. Takao and nearby. Discussions about nature and Ohtsuka's work are planned. Mt. Takao-san is known for its nature and easy accessibility from the center of Tokyo. It is also close to Professor Ohtsuka's place. Details will be announced during the workshop (December 17-19, 2009).

Meeting point:

- JR Mejiro station 9:30
- JR Takao station 11:00 (Keio Takao is connected)