

Symposium:
“Variational Problems and Nonlinear Partial Differential Equations”
(revised version)

Organizer: Atsushi Tachikawa
9 – 10 September 2014
“Seminar Room” on the 3rd floor, Building No. 4,
Tokyo University of Science,
Faculty of Science and Technology,
2641 Yamazaki, Noda, Chiba, Japan

Program

9 (Tuesday) September

(The session on the morning of the 9th was cancelled.)

13:30–14:30 Keisuke TAKASAO (Kanagawa University)

“Existence of Brakke’s mean curvature flow via phase-field method”

14:50–15:20 Aya ISHIZEKI (Saitama University (D2))

“Decomposition of the Möbius energy I: A decomposition theorem and Möbius invariance ”

15:30–16:30 Takeyuki NAGASAWA (Saitama University)

“Decomposition of the Möbius energy II: The first and second variational formulae”

10 (Wednesday) September

10:30–11:30 Giuseppe DI FAZIO (University of Catania)

“Strong A_∞ weights and quasilinear degenerate elliptic equations”

13:30–14:00 Kunihiro USUBA (Tokyo University of Science (D1))

“Partial regularity of minimizer of $p(x)$ -growth functionals with $1 < p(x) < 2$ ”

14:20–15:20 Seiro OMATA (Kanazawa University)

“Hyperbolic free boundary problems”

15:30–16:30 Karel Svadlenka (Kanazawa University)

“Parabolic free boundary problems and their application to simulation of geometrical evolutions”