

Kobe Number Theory Workshop

Date Date : January 13 (Wed) - 15 (Fri), 2010

Place Department of Mathematics, Graduate School of Science, Kobe University
Room 602, Building 3, Graduate School of Science and Technology

Program

January 13th (Wed)

13:20–13:30 Registration/Opening

13:30–14:30 Takashi Hara (Univ. of Tokyo)

Non-commutative Iwasawa main conjecture for totally real number fields
and induction method

15:00–16:00 Kenji Hashimoto (Univ. of Tokyo)

K3 surfaces and positive definite ternary quadratic forms

16:30–17:30 Yoichi Mieda (Kyushu Univ.)

Lefschetz trace formula for open adic spaces and its applications

January 14th (Thu)

9:30–10:30 Hidetaka Kitayama (Osaka Univ.)

An explicit dimension formula for Siegel cusp forms of degree two with respect to
the non-split symplectic groups

11:00–12:00 Shin Hattori (Kyushu Univ.)

On a ramification bound of torsion semi-stable representations over a local field

13:30–14:30 Takeo Okazaki (Kyoto Univ.)

Theta correspondence between $\mathrm{GSp}(2)$ and $\mathrm{GO}(4)$ or $\mathrm{GO}(6)$

15:00–16:00 Tetsushi Ito (Kyoto Univ.)

Supersingular abelian surfaces and the étale cohomology of Siegel threefolds
in characteristic p

16:30–17:30 Frank Thorne (Stanford Univ. / Univ. of South Carolina)

Analytic properties of Shintani zeta functions

January 15th (Fri)

9:30–10:30 Satoshi Wakatsuki (Kanazawa Univ.)

On congruences for dimensions of spaces of cusp forms

11:00–12:00 Michitaka Miyauchi (Kyoto Univ.)

Whittaker models of supercuspidal representations of unramified $\mathrm{U}(3)$

13:30–14:30 Hisa-aki Kawamura (Hokkaido Univ.)

Some constructions of p -adic families of Siegel modular forms of even genus

15:00–16:00 Takuya Yamauchi (Osaka Pref. Univ.)

A Calabi-Yau family associated to some hypergeometric sheaf and its applications

Organizers : Shushi Harashita (Kobe Univ.), Takashi Taniguchi (Kobe Univ)

website : <http://www.math.kobe-u.ac.jp/HOME/tani/workshop1001kobe/>