

Automorphic representations, automorphic L -functions and arithmetic

RIMS Conference

Organizers: Yoshi-Hiro Ishikawa (Okayama Univ.),
Masao Tsuzuki (Sophia Univ.)

Date: 2009 Jan.19(Mon), 9:45 – Jan.23(Fri), 16:00

Place: Conference Hall 420, Research Institute for Mathematical Sciences(RIMS),
Kyoto Univ., Kyoto, JAPAN.

Jan.19(Mon)

- 9:45 - 10:45 Paul Gunnells (Univ. of Massachusetts)
On the cohomology of congruence subgroups of $SL(4, \mathbf{Z})$
- 11:00 - 12:00 Takanori Yasuda (Kyushu Univ.)
Non-tempered automorphic representations of inner forms of $Sp(4)$
- 13:30 - 14:30 Takeo Okazaki (Kyoto Univ.)
Paramodular forms on $GSp_2(\mathbf{A})$
- 14:45 - 15:45 Neil Dummigan (Univ. of Sheffield)
Yoshida lifts and Selmer groups
- 16:00 - 17:00 Hidenori Katsurada, Yoshinori Mizuno (Muroran Inst. of Tech.)
An explicit formula for the twisted Koecher-Maass series
of the Saito-Kurokawa lift and its applications

Jan.20(Tue)

- 9:45 - 10:45 Bernhard Heim (MPIM)
Applications of an arithmetic trace formula
- 11:00 - 12:00 Organizers
"Organizing Meeting on annual conference at RIMS"
- 13:30 - 14:30 Hidenori Katsurada (Muroran Inst. of Tech.),
Hisa-aki Kawamura (Hokkaido Univ.)
Ikeda's conjecture on the period of the Ikeda lift
- 14:45 - 15:45 Tomokazu Kashio (Kyoto Univ.)
Stark units, CM-periods and multiple gamma functions
- 16:00 - 17:00 Masao Tsuzuki (Sophia Univ.)
Limit period formulas for special cycles
on real hyperbolic spaces

Jan.21(Wed)

- 9:45 - 10:45 Takumi Noda (Nihon Univ.)
Some asymptotic expansions of the Eisenstein series
- 11:00 - 12:00 Hirofumi Nagoshi (Seikei Univ.)
Functional independence and randomness of L -functions
- 13:30 - 14:30 Keiichi Gunji (POSTECH)
On Siegel Eisenstein series of degree 2 for low weights
- 14:45 - 15:45 Yumiko Hironaka (Waseda Univ.)
Spherical functions on $U(n, n)/(U(n) \times U(n))$
and hermitian Siegel series

Jan.22(Thu)

- 9:45 - 10:45 Gombodorj Bayarmagnai (Univ. of Tokyo)
On the principal series representation of $SU(2, 2)$
- 11:00 - 12:00 Kazuki Hiroe (Univ. of Tokyo)
A characterization of Whittaker models
of degenerate principal series representations
- 13:30 - 14:30 Moshe Baruch (Technion)
The classical Hankel transform in the Kirillov model
of the discrete series
- 14:45 - 15:45 Michitaka Miyauchi (Kyoto Univ.)
Formal degrees of supercuspidal representations
of ramified $U(3)$
- 16:00 - 17:00 Kazutoshi Kariyama (Onomichi Univ.)
Self-dual Bushnell-Kutzko type and discrete series
of p -adic classical groups

Jan.23(Fri)

- 9:45 - 10:45 Siegfried Böcherer (Univ. Mannheim)
On Siegel modular Forms mod p
- 11:00 - 12:00 Shunsuke Yamana (Kyoto Univ.)
How many Fourier coefficients determine
a holomorphic modular form?
- 13:30 - 14:30 Takashi Taniguchi (Kobe Univ.)
Extra functional equations of zeta functions
of binary cubic forms
- 14:45 - 15:45 Masaru Ueda (Nara Women's Univ.)
Representation of finite Metaplectic group
and Newforms of half-integral weight