

Conference on
Automorphic Forms and Automorphic L -Functions

January 17–21, 2005

Research Institute for Mathematical Sciences

Kyoto University

Kyoto, JAPAN

Organizer: Masaaki Furusawa (Osaka City University)

PROGRAM

January 17, Monday

13:25 - 13:30 Introduction and Announcements

13:30 - 14:30 Atsushi Ichino (Osaka City University)

On critical values of adjoint L -functions for $\mathrm{GSp}(4)$

15:00 - 15:45 Dihua Jiang (University of Minnesota)

Non-vanishing of the central value of the Rankin-Selberg L -function I

16:00 - 16:45 Dihua Jiang (University of Minnesota)

Non-vanishing of the central value of the Rankin-Selberg L -function II

January 18, Tuesday

10:00 - 10:50 Satoshi Wakatsuki (Osaka University)

An explicit dimension formula for the spaces of vector valued Siegel cusp forms of degree two

11:10 - 12:00 Erez Lapid (Hebrew University)

The relative trace formula and its applications I

13:30 - 14:20 Chris Skinner (University of Michigan)

Main conjectures and modular forms I

14:40 - 15:30 Chris Skinner (University of Michigan)

Main conjectures and modular forms II

16:00 - 16:50 Philippe Michel (Université de Montpellier II)

Some Applications of Kloosterman sums I (algebraic theory)

18:00 - *Reception at Kyodai Kaikan*

January 19, Wednesday

10:00 - 10:50 Philippe Michel (Université de Montpellier II)
Some Applications of Kloosterman sums II (spectral theory)

11:10 - 12:00 Erez Lapid (Hebrew University)
The relative trace formula and its applications II

13:30 - 14:30 Kohji Matsumoto (Nagoya University)
The mean square of standard L -functions attached to Ikeda lifts

15:00 - 15:45 Stephen D. Miller (Hebrew University and Rutgers University)
On the analytic continuation of the exterior square L -function I

16:00 - 16:45 Stephen D. Miller (Hebrew University and Rutgers University)
On the analytic continuation of the exterior square L -function II

January 20, Thursday

10:00 - 10:45 Wenzhi Luo (Ohio State University)
Equidistribution of Hecke eigenforms on arithmetic surfaces I

11:00 - 11:45 Wenzhi Luo (Ohio State University)
Equidistribution of Hecke eigenforms on arithmetic surfaces II

13:30 - 14:30 Masao Tsuzuki (Sophia University)
Automorphic Green currents on $U(n, 1)$

15:00 - 15:45 Jan Hendrik Bruinier (Universität zu Köln)
Traces of CM-values of modular functions

16:00 - 16:45 Jan Hendrik Bruinier (Universität zu Köln)
Hilbert class polynomials and traces of singular moduli

January 21, Friday

9:30 - 10:20 Yoshiki Hayashi
Correspondences between the spaces of Eisenstein series of Jacobi forms and modular forms with primitive character

10:35 - 11:25 Hiro-aki Narita (Kyoto Sangyo University)
Explicit construction of automorphic forms on $Sp(1, q)$

11:40 - 12:30 Yumiko Hironaka (Waseda University)
Spherical functions of certain p -adic homogeneous spaces

14:00 - 14:50 Chris Skinner (University of Michigan)
Endoscopic/stable congruences for unitary groups

15:10 - 16:00 Yoshi-hiro Ishikawa (Okayama University)
On standard L -function for generic cusp forms on $U(2, 1)$

Conference Home Page:

<http://math01.sci.osaka-cu.ac.jp/21COE/symposium/RIMS2005January.html>