

RIMS workshop
Modular Forms and Automorphic Representations

Main organizer: Hiro-aki Narita (Kumamoto University)
Sub-organizer: Shuichi Hayashida (Joetsu University of Education)

Date: February 2(Mon)-6(Fri), 2015.

Venue: Room 420, Research Institute of Mathematical Science, Kyoto University.

Feb. 2 (Mon)

13:25-13:30 Opening address.

13:30-14:30 Shuichi Hayashida (Joetsu University of Education)
Generalized Maass relations and lifts.

14:45-15:45 Tomoya Kiyuna (Kyushu University)
Kaneko-Zagier type differential equation for Jacobi forms.

16:00-17:00 Tomoyoshi Ibukiyama (Osaka University)
Three theorems on Jacobi forms of general degree.

Feb. 3 (Tue)

9:45-10:45 Tomomi Ozawa (Tohoku University)
Constant terms of Eisenstein series over a totally real field.

11:00-12:00 Kaoru Okada (Ritsumeikan University)
Hecke algebras for Hilbert modular forms and ideal class groups.

13:30-14:30 Soma Purkait (Kyushu University)
Hecke algebras, new vectors and characterization of the new space.

14:45-15:45 Kohta Gejima (Osaka University)
Shintani functions on $SL(2, \mathbf{C})$ and Heun's differential equations.

16:00-17:00 Yoshinori Mizuno (Tokushima University)
Dirichlet series of 3 variables and Koecher-Maass series of non-holomorphic Siegel-Eisenstein series.

Feb. 4 (Wed)

- 10:00-11:00 Kaoru Hiraga (Kyoto University)
Endoscopic classification of representations: A survey.
- 11:15-12:15 Shunsuke Yamana (Kyushu University)
Local symmetric square L-functions and trilinear forms.
- 14:00-15:00 Miki Hirano (Ehime University), Taku Ishii (Seikei University),
Tadashi Miyazaki (Kitasato University)
Archimedean zeta integrals for $GL(3) \times GL(2)$.
- 15:15-16:15 Takayuki Oda (University of Tokyo)
Is there brave new world of modular symbols? Some evidences in the literature.
- 16:30-17:00 On the next RIMS workshop.

Feb. 5 (Thu)

- 9:45-10:45 Masataka Chida (Kyoto University, Hakubi center)
Regulators and special values of Rankin-Selberg L-functions.
- 11:00-12:00 Kimball Martin (University of Oklahoma/Osaka City University, JSPS fellow)
A Chebotarevesque principle for modularity.
- 13:30-14:30 Takeo Okazaki (Nara Women's University)
Newforms for $GU(2,2)$.
- 14:45-15:45 Ameya Pitale (University of Oklahoma)
Lowest weight modules for $Sp(4, \mathbb{R})$ and nearly holomorphic Siegel modular forms.
- 16:00-17:00 Siegfried Böcherer (Universität Mannheim)
On quasimodular Siegel modular forms.

Feb. 6 (Fri)

- 10:00-11:00 Henry Kim (University of Toronto)
Ikeda type lift for the exceptional group of type E_7 .
- 11:15-12:15 Tamotsu Ikeda (Kyoto University)
Hidenori Katsurada (Muroran Institute of Technology)
On the Gross-Keating invariant of a quadratic form and its application.