RIMS conference
"Arithmetic aspects of automorphic forms
and automorphic representations"

Organizers: Kenichi Namikawa (Tokyo Denki University)
Keiichi Gunji (Chiba Institute of Technology)

Date: January 20th (Mon.) – January 24th (Fri.) A.M. 2025

Venue: Room 420, Research Institute for Mathematical Sciences (RIMS),
Kyoto University, Kyoto 606-8502, Japan

Jan. 20 (Mon.)

9:30 – 10:30 **Seiji Kuga** （Sophia University）

An asymptotic formula of spectral average of central L-values on GSp_2 for square-free levels

10:45 – 11:45 **Yao Cheng** （Tamkang University）

Archimedean Whittaker functions of GL_n via theta lifting

13:15 – 14:15 **Bin Xu** （Sichuan University）

Concrete Constructions of Automorphic Representations and Central Values of L-Functions

14:30 – 15:30 **Cris Poor** （Fordham University）

Formal series of Jacobi forms

15:45 – 16:45 **Siegfried Böcherer** （University of Mannheim）

On mod p^m singular vector-valued modular forms (joint work with T.Kikuta)

Jan. 21 (Tue.)

9:30 – 10:30 **Ryota Tajima** （Kyushu University）

The p-adic constant for mock modular forms associated to CM forms

10:45 – 11:45 **Shih-Yu Chen** （National Tsing Hua University）

On critical values of tensor product L-functions for $GSp_4 \times GSp_4$

13:15 – 14:15 **Robin Zhang** （MIT）

p-adic Shimura classes and Stark units

14:30 – 15:30 **Yukako Kezuka** （Kanazawa University）

Non-commutative Iwasawa theory over global function fields

15:45 – 16:45 **Ming-Lun Hsieh** （National Taiwan University）

Hida families of Yoshida lifts and the Rankin-Selberg convolution

Jan. 22 (Wed.)

9:30 – 10:30 (PDT 16:30 – 17:30, Jan. 21 (Tue.)) (talk given by online via zoom)

        Zheng Liu（University of California, Santa Barbara）

        p-adic L-functions for $\mathrm{GSp}(4) \times \mathrm{GL}(2)$

10:45 – 11:45 **Chris Williams**（University of Nottingham）

        Non-vanishing of p-refined Friedberg–Jacquet integrals

13:15 – 14:15 **Zhiyu Zhang**（Stanford University）

        Asai L-functions and twisted arithmetic fundamental lemma

14:30 – 15:30 **Yu-Sheng Lee**（University of Michigan）

        Congruences of automorphic forms and Euler systems

15:45 – 16:45 **Hiraku Atobe**（Kyoto University）

        Local Intertwining Relations

Jan. 23 (Thu.)

9:30 – 10:30 (PDT 16:30 – 17:30, Jan. 22 (Wed.)) (talk given by online via zoom)

        Francesc Castella（University of California, Santa Barbara）

        Congruences with Eisenstein series and Iwasawa main conjectures

10:45 – 11:45 **Shilin Lai**（University of Texas at Austin）

        Non-vanishing of Eisenstein series on U(2,1)

14:00 – 15:00 **Hiro-aki Narita**（Waseda University）

        Köcher principle for quaternionic discrete series

15:15 – 16:15 **Tomoyoshi Ibukiyama**（Osaka University）

        Solutions of certain holonomic system of rank 8 arising from differential operators

        on Siegel modular forms

16:15 – 16:30 **On the RIMS workshop next academic year**

18:00 –   **Conference Dinner**

Jan. 24 (Fri.)

9:30 – 10:30 **Masahiro Watanabe**（Kyoto University）

        Ramified Siegel Series: Difference Equations and Hypergeometric Identities

10:45 – 11:45 **Keiichi Gunji**（Chiba Institute of Technology）

        On the Fourier coefficients of Siegel Eisenstein series of an odd prime level