



RIMS 共同研究（公開型）
「保型形式・保型表現の数論的側面」

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日程： 2025 年 1 月 20 日（月） – 24 日（金）午前

場所： 京都大学数理解析研究所 420 号室

1 月 20 日（月）

9:30 – 10:30 久家 聖二（上智大学）

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)

1 月 21 日（火）

9:30 – 10:30 田島 凌太（九州大学）

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 $\mathrm{GSp}_4 \times \mathrm{GSp}_4$

13:15 – 14:15 **Robin Zhang** (MIT)

p -adic Shimura classes and Stark units

14:30 – 15:30 毛塚 由佳子（金沢大学）

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

1 月 22 日 (水)

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 跡部 兎 (京都大学)

Local Intertwining Relations

1 月 23 日 (木)

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 $\mathrm{U}(2,1)$

14:00 – 15:00 成田 宏秋 (早稲田大学)

Köcher principle for quaternionic discrete series

15:15 – 16:15 伊吹山 知義 (大阪大学)

Solutions of certain holonomic system of rank 8 arising from differential operators
on Siegel modular forms

16:15 – 16:30 来年度の RIMS 研究集会について

18:00 – 懇親会

1 月 24 日 (金)

9:30 – 10:30 渡邊 真広 (京都大学)

Ramified Siegel Series: Difference Equations and Hypergeometric Identities

10:45 – 11:45 軍司 圭一 (千葉工業大学)

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