

19th Autumn Workshop on Number Theory

“Archimedean local theory of automorphic forms”

Organizers: Miki Hirano (Ehime University)
Taku Ishii (Seikei University)
Tadashi Miyazaki (Kitasato University)
Hiroki Aoki (Tokyo University of Science)

Date : 2nd – 6th November 2016

Place : Hakuba High Mount Hotel (Hakuba, Nagano, JAPAN)

Nov. 2 (Wed)

- 16:30 Reception
16:30 – 18:30 Masao Tsuzuki (Sophia University)
Explicit formulas in representation theory of $GL(2, \mathbf{R})$
19:00 – Dinner

Nov. 3 (Thu)

- 9:00 – 11:00 Tadashi Miyazaki (Kitasato University)
Whittaker functions and archimedean zeta integrals on GL_2
11:15 – 12:15 Kohta Gejima (Osaka University)
Shintani functions on GL_2 over archimedean local fields
12:00 – Lunch
14:00 – 15:30 Tomonori Moriyama (Osaka University)
A Fourier expansion of automorphic forms on $GSp(2)$ and related real local problems
16:00 – 18:00 Taku Ishii (Seikei University)
Whittaker functions on $GSp(2, \mathbf{R})$ and archimedean zeta integrals
18:10 – 18:20 About next workshop
18:30 – Dinner

Nov. 4 (Fri)

- 9:00 – 10:00 Takayuki Oda (Okinawa Institute of Science and Technology)
From discrete series representations to cohomological representations
- 10:15 – 11:45 Eric Stade (University of Colorado)
Archimedean zeta integrals on GL_n
- 12:00– Lunch
Free Discussion
- 18:30 – Dinner (Party)

Nov. 5 (Sat)

- 9:30 – 10:30 Miki Hirano (Ehime University)
Fourier-Jacobi models on $Sp_2(\mathbf{R})$
- 10:45 – 11:45 Hiroaki Narita (Kumamoto University)
Fourier expansion of Siegel modular forms along the minimal parabolic subgroup
- 12:00 – Lunch
- 14:00 – 16:00 Shunsuke Yamana (Kyoto University)
The CAP representations indexed by Hilbert cusp forms
- 16:30 – 17:30 Winfried Kohnen (University of Heidelberg)
Fourier coefficients of modular forms of half-integral weight
- 18:30 – Dinner

Nov. 6 (Sun)

- 9:30 – 10:30 Siegfried Böcherer (University of Mannheim)
Differential operators for Symplectic groups and for Jacobi groups
- 11:15 – Lunch