

# The 9th Autumn Workshop on Number Theory

November 6–10, 2006

Hakuba Highmount Hotel

<http://www.highmount.com> (Japanese)

<http://www.highmount.com/english-highmount/e-index.htm> (English)

Organizer: Masaaki Furusawa (Osaka City University)

## PROGRAM

### November 6, Monday

15:30 - 16:15 Tetsushi Ito (Kyoto University)

*On motives and  $\ell$ -adic Galois representations associated to automorphic representations of  $\mathrm{GSp}(4)$  I*

16:30 - 17:15 Tetsushi Ito (Kyoto University)

*On motives and  $\ell$ -adic Galois representations associated to automorphic representations of  $\mathrm{GSp}(4)$  II*

17:30 - 18:30 Jim Brown (Ohio State University)

*Saito-Kurokawa lifts and applications to arithmetic*

### November 7, Tuesday

9:00 - 10:00 Tomonori Moriyama (Sophia University)

*Representation theory of  $\mathrm{GSp}(4, \mathbb{R})$  with emphasis on discrete series*

10:15 - 11:15 Kazuko Konno (Fukuoka University of Education)

*Induced representations of  $\mathrm{GSp}(4)$  over a  $p$ -adic field — after Sally-Tadić*

11:30 - 12:30 Kaoru Hiraga (Kyoto University)

*Endoscopy on  $\mathrm{GSp}(4)$*

15:45 - 16:45 Wee Teck Gan (University of California San Diego)

*Restrictions of Saito-Kurokawa representations*

17:00 - 18:00 Hidenori Katsurada (Muroran Institute of Technology) and Hisa-aki Kawamura (Hokkaido University)

*Ikeda's conjecture on the Petersson product of the Ikeda lift*

**November 8, Wednesday**

**9:00 - 10:00** Atsushi Ichino (Osaka City University)

*On integral representations of automorphic L-functions for  $\mathrm{GSp}(4)$*

**10:15 - 11:15** Brooks Roberts (University of Idaho)

*Paramodular New- and Oldforms for  $\mathrm{GSp}(4)$*

**11:30 - 12:30** Takuya Konno (Kyushu University)

*Spectral decomposition of the automorphic spectrum of  $\mathrm{GSp}(4)$*

**Afternoon** *Excursion*

**November 9, Thursday**

**9:00 - 10:00** Taku Ishii (Chiba Institute of Technology)

*Archimedean zeta integrals on  $\mathrm{GSp}(4)$*

**10:15 - 11:15** Ralf Schmidt (University of Oklahoma)

*Siegel Vectors for  $\mathrm{GSp}(4)$*

**11:30 - 12:30** David Whitehouse (Institute for Advanced Study)

*On the transfer of automorphic representations from  $\mathrm{GSp}(4)$  to  $\mathrm{GL}(4)$*

**15:45 - 16:45** Kimball Martin (Columbia University)

*Transfer from  $\mathrm{GL}(2, D)$  to  $\mathrm{GSp}(4)$*

**17:00 - 18:00** Claus Sorensen (Princeton University)

*Level-raising for  $\mathrm{GSp}(4)$*

**18:30 -** *Party*

**November 10, Friday**

**9:00 - 9:45** Takeo Okazaki (Osaka University)

*Proof of van Geemen-Nygaard-van Streaten's conjecture*

**10:00 - 10:45** Hiro-aki Narita (Osaka City University)

*Spinor L-functions of Arakawa lifting*

**11:00 - 12:00** Tomoyoshi Ibukiyama (Osaka University)

*Paramodular forms and compact twist: their dimensions and traces*