Quadratic Forms and Algebraic Groups

in honor of Prof. Takao Watanabe

[Version November 18, 2026]

Date: November 22-24, 2026
Place: Nambu Yoichiro Hall,
Toyonaka Campus,
University of Osaka

Organizers:
Keiji Takano (Kagawa Univ)
Hiroaki Nakamura (Univ Osaka)

November 22, 2026 (Sun)

13:30-14:20 Keiji TAKANO (Kagawa University)
On relatively cuspidal representations of GL(n) with respect to symplectic and unitary involution (一般線型群の斜交およびユニタリ対合に関する相対尖点表現について)

14:50-15:40 Shingo SUGIYAMA (Kanazawa University)
Hecke eigenvalues of automorphic forms and central values of L-functions

16:10-17:00 Ryoko TOMIYASU (Kyushu University, RIKEN iTHEMS)
Reduction Theory in Unexpected Places: From Number Theory to Crystallography and Biology

November 23, 2026 (Mon) Labor Thanksgiving Holiday

10:00-10:50 Takahiro HAYATA (Yamagata University)
O(1,$n-1$) の完全形式について (in Japanese)

11:20-12:20 Takao WATANABE (University of Osaka)
Reduction theory for algebraic groups

(Lunch, Discussions/Excursions)

18:00-20:00 Banquet

November 24, 2026 (Tue)

10:00-10:50 Christopher-Lloyd SIMON (IRMAR Rennes)
Simple length multiplicity on $X(n)$

11:20-12:10 Noriko HIRATA-KOHNO (Nihon University)
Pairing of continued fractions

(Lunch, Discussions/Excursions)

13:30-14:20 Masanori MORISHITA (Kyushu University)
Higher Rédei extensions and multiple quadratic residue symbols

14:50-15:40 Renaud COULANGEON (University of Bordeaux)
From classical to adelic geometry of numbers : How I met Takao

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http://www4.math.sci.osaka-u.ac.jp/~nakamura/QuadraticFormsAndAlgebraicGroups2026/