RIMS Workshop
"Combinatorial Representation Theory and Related Topics"

Date   October 19 (Mon.) – 22 (Thu.)

Venue   Room 110 (1st floor), Research Institute for Mathematical Sciences,
    Kyoto University

Organizer   Katsuyuki Naoi (Tokyo University of Agriculture and Technology)

Web page   `http://www.tuat.ac.jp/~naoik/Combinatorics/Combi.html`

10/19 (Mon.)

13:30 – 14:30   Tatsuyuki HIKITA (Kyoto University)
On an algebro-geometric realization of the cohomology ring of conical symplectic resolutions

14:45 – 15:45   Tomoo MATSUMURA (Okayama University of Science)
Kempf-Laksov determinant formula in the infinitesimal cohomology theories

16:00 – 17:00   Naoki FUJITA (Tokyo Institute of Technology)
Newton-Okounkov bodies of Schubert varieties and polyhedral realizations of crystal bases

10/20 (Tue.)

10:00 – 11:00   Shunsuke TSUCHIOKA (The University of Tokyo)
On a general Schur's partition identity

11:15 – 12:15   Ronald C. KING (University of Southampton/The University of Tokyo)
Factorial characters of classical Lie groups

13:30 – 14:30   Naoya SHIMAMOTO (The University of Tokyo)
The orbit decompositions of multiple flag manifolds of $\mathrm{SL}(n, \mathbb{C})$

14:45 – 15:45   Takuma HAYASHI (The university of Tokyo)
The Zuckerman functor over a commutative ring

16:00 – 17:00   Hideya WATANABE (Tokyo Institute of Technology)
A Combinatorial Formula for Periodic R-polynomials and for Periodic Kazhdan-Lusztig Polynomials

10/21 (Wed.)

10:00 – 11:00	Soichi OKADA (Nagoya University)
	Young books and q-Selberg integrals
11:15 – 12:15	Masao ISHIKAWA (University of the Ryukyus)
	Domino tilings of Aztec rectangle with connected holes
13:30 – 14:30	Shouya MARUYAMA (The University of Tokyo)
	Combinatorial R, Tetrahedron equation and Multi-spiecies TASEP
14:45 – 15:45	Kazuya KAWASETSU (The University of Tokyo)
	Generalized principal subspaces and an intermediate vertex subalgebra

- On the third day the meeting is closed at this time since a regular seminar is planned to hold in the room.

10/22 (Thu.)

10:00 – 11:00	Ryo KANDA (Nagoya University)
	Every poset appears as the atom spectrum of some Grothendieck category
11:15 – 12:15	Yuya MIZUNO (Naogya University)
	Categorification of Weyl groups and braid groups
12:30 – 13:30	Ryoichi KASE (Nara Women's University)
	Remarks on the lengths of maximal green sequences for type $\tilde{A}_{n,1}$ quivers