RIMS Workshop
"Aspects of Combinatorial Representaion Theory"

Date October 9 (Tue.) – 12 (Fri.)

Venue Room 111 (1st floor), Research Institute for Mathematical Sciences, Kyoto University

Organizer Daisuke Sagaki (University of Tsukuba)

Oct. 9 (Tue.)

13:30 – 14:30 Sota Asai (Nagoya University)
Bricks over preprojective algebras and join-irreducible elements in Coxeter groups

14:45 – 15:45 Diogo Kendy Matsumoto (Shibaura Institute of Technology)
Quiver-theoretical approach to dynamical Yang-Baxter maps

16:00 – 17:00 Teruhisa Tsuda (Hitotsubashi University)
Birational Weyl group actions via mutation combinatorics in cluster algebras

Oct. 10 (Wed.)

9:30 – 10:30 Ayumu Hoshino (Hiroshima Institute of Technology)
Macdonald polynomials of type C_n with one-column diagrams and deformed Catalan numbers

10:45 – 11:45 Sho Matsumoto (Kagoshima University)
Kerov polynomials for spin representations of symmetric groups

13:30 – 14:30 Yoshitaka Toyozawa (Okayama University) · Takeshi Suzuki (Okayama University)

On enumeration of cylindric standard tableaux

14:45 – 15:45 Soichi Okada (Nagoya University)
Multivariate skew hook formula for d-complete posets

16:00 – 17:00 Satoshi Naito (Tokyo Institute of Technology)
Pieri-Chevalley formula in the equivariant K-theory of semi-infinite flag manifolds

Oct. 11 (Thu.)

9:30 – 10:30 Ryosuke Kodera (Kobe University)
Braid group action on affine Yangian

10:45 – 11:45 Masao Ishikawa (Okayama University)
Several classes of plane partitions with the same generating function

13:30 – 14:30 Motoki Takigiku (University of Tokyo)
Automorphisms on the ring of symmetric functions and stable and dual stable Grothendieck polynomials

14:45 – 15:45 Hideya Watanabe (Tokyo Institute of Technology)
Global crystal bases for integrable modules over a quantum symmetric pair of type AIII

16:00 – 17:00 Naoki Fujita (Tokyo Institute of Technology)
Divided difference operators on polytopes and polyhedral realizations of crystal bases

Oct. 12 (Fri.)

9:30 – 10:30 Toshiyuki Abe (Ehime University)
Extensions of tensor products of the VOA $V^{\sigma}_{\sqrt{2}A_n}$

10:45 – 11:45 Kentaro Wada (Shinshu University)
Finite dimensional simple modules of $(q, \mathbf{Q})$-current algebras