

# Lie Groups and Representation Theory Seminar at the University of Tokyo

リー群論・表現論セミナー

- DATE December 11 (Tue), 2012, 17:00–18:00
- PLACE Room 126, Graduate School of Mathematical Sciences
- SPEAKER **Tatsuyuki Hikita** (疋田辰之) (Kyoto University)
- TITLE Affine Springer fibers of type A and combinatorics of diagonal coinvariants
- ABSTRACT We introduce certain filtrations on the homology of affine Springer fibers of type A and give combinatorial formulas for the bigraded Frobenius series of the associated graded modules. The results are essentially given by generalizations of the symmetric function introduced by Haglund, Haiman, Loehr, Remmel, and Ulyanov which is conjectured to coincide with the bigraded Frobenius series of the ring of diagonal coinvariants.