

Workshop on Representation Theory, Geometry & Combinatorics

Organizer: Mark Haiman

Monday June 2–Friday June 6, 9:30–5:00pm, Bechtel 120ABC

Mark Shimozono, Virginia Tech

Crystals, combinatorics, and k -Schur functions

The four lectures will cover the following topics:

- Affine crystal theory for type A.
- Generalized Kostka polynomials associated with restriction to a Levi subgroup, and the associated tableau combinatorics for type A.
- The k -Schur functions of Lapointe, Lascoux and Morse.