

**SUMMER SCHOOL (Galbraith Room 119)**

WEDNESDAY, JULY 7	
9:00-9:30	On-Site Registration and Morning Coffee
9:30-10:30	Jennifer Morse (Drexel University) <i>Affine combinatorial refinement of Schur functions I</i>
10:30-11:30	Coffee Break
11:30-12:30	Thomas Lam (University of Michigan) <i>Affine Stanley symmetric functions I</i>
12:30-2:30	Lunch Break
2:30-4:30	Jason Bandlow (University of Pennsylvania) & Nicholas Thiéry (Universite Paris Sud II) <i>Computer exploration of affine Schubert calculus using Sage I</i>

THURSDAY, JULY 8	
9:00-9:30	Morning Coffee
9:30-10:30	Jennifer Morse (Drexel University) <i>Affine combinatorial refinement of Schur functions II</i>
10:30-11:30	Coffee Break
11:30-12:30	Luc Lapointe (Universidad de Talca) <i>k-Schur functions: definitions, atomic properties and k-poset I</i>
12:30-2:30	Lunch Break
2:30-3:30	Thomas Lam (University of Michigan) <i>Affine Stanley symmetric functions II</i>
3:30-4:30	Jason Bandlow (University of Pennsylvania) & Nicholas Thiéry (Universite Paris Sud II) <i>Computer exploration of affine Schubert calculus using Sage II</i>

FRIDAY, JULY 9	
8:30-9:00	Morning Coffee
9:00-10:00	Jennifer Morse (Drexel University) <i>Affine combinatorial refinement of Schur functions III</i>
10:00-11:00	Coffee Break
11:00-12:00	Luc Lapointe (Universidad de Talca) <i>k-Schur functions: definitions, atomic properties and k-poset II</i>
12:00-1:30	Lunch Break
1:30-2:30	Thomas Lam (University of Michigan) <i>Affine Stanley symmetric functions III</i>
2:30-3:30	Mark Shimozono (Virginia Tech) <i>k-Schur functions extended to other types I</i>
3:30-4:30	Jason Bandlow (University of Pennsylvania) & Nicholas Thiéry (Universite Paris Sud II) <i>Computer exploration of affine Schubert calculus using Sage III</i>

SATURDAY, JULY 10	
9:00-9:30	Morning Coffee
9:30-10:30	Lenny Tevlin (New York University) <i>An Introduction to Quasi-symmetric and Noncommutative Symmetric Functions</i>
10:30-11:30	Coffee Break
11:30-12:30	Mark Shimozono (Virginia Tech) <i>k-Schur functions extended to other types II</i>
12:30-2:30	Lunch Break
2:30-3:30	Mark Shimozono (Virginia Tech) <i>k-Schur functions extended to other types III</i>
3:30-4:30	Luc Lapointe (Universidad de Talca) <i>k-Schur functions: definitions, atomic properties and k-poset III</i>

**WORKSHOP (Fields Institute, Room 230)**

MONDAY, JULY 12	
9:00-9:30	On-Site Registration and Morning Coffee
9:30-10:30	Sami Assaf (MIT) <i>Affine dual equivalence</i>
10:30-11:30	Coffee Break
11:30-12:30	Reiho Sakamoto (University of Tokyo) <i>Combinatorics of a tropical integrable model</i>
12:30-2:30	Lunch Break
2:30-3:30	Chris Berg (York University, Fields Institute) <i>A bijection on core partitions.</i>
3:30-4:30	Stephen Griffeth (University of Edinburgh) <i>Representation theory and Hilbert schemes of points on surfaces</i>

TUESDAY, JULY 13	
9:00-9:30	Morning Coffee
9:30-10:30	Elizabeth Beazley (University of Michigan) <i>Quantum Schubert Calculus and Maximal Newton Polygons</i>
10:30-11:30	Coffee Break
11:30-12:30	Changzheng Li (Korea Institute for Advanced Study) <i>Relationships between quantum cohomology of complete and partial flag varieties.</i>
12:30-2:30	Lunch Break
2:30-3:30	Hugh Thomas (University of New Brunswick) <i>A Littlewood-Richardson rule for the equivariant cohomology of Grassmannians</i>
3:30-4:30	Joel Kamnitzer (University of Toronto) <i>Mirkovic-Vilonen cycles and MV basis</i>



SCHEDULE 1.1

WEDNESDAY, JULY 14

9:00-9:30	Morning Coffee
9:30-10:30	Micheal Ehrig (Mathematisches Institut der Universität zu Köln) <i>Categorification of quantum $sl(n)$ tensor products and KR-crystals</i>
10:30-11:30	Coffee Break
11:30-12:30	Ghislain Fourier (Mathematisches Institut der Universität zu Köln) <i>Another basis and pattern for irreducible A_n-Modules</i>
12:30-2:30	Lunch Break
2:30-3:30	Thomas Lam (University of Michigan) <i>From k-Schur functions to quantum Schubert polynomials via the Toda lattice</i>
3:30-4:30	Peter Tingley (MIT) <i>Affine $sl(n)$ crystals and fusion rules</i>

THURSDAY, JULY 15

9:00-9:30	Morning Coffee
9:30-10:30	Jason Bandlow (University of Pennsylvania) <i>The Murnaghan-Nakayama rule for q-Schur functions</i>
10:30-11:30	Coffee Break
11:30-12:30	Luis Serrano (University of Michigan) <i>Noncommutative Schur functions</i>
12:30-2:00	Lunch Break
2:00-3:00	Jonah Blasiak (University of Chicago) <i>Canonical bases for q-atoms</i>