LIST OF PAPERS FOR PRESENTATION

Enumeration of reduced words

- Richard P. Stanley, *On the number of reduced decompositions of elements of Coxeter groups*, European J. Combin. **5** (1984), 359–372.
- Adriano M. Garsia, *The saga of reduced factorizations of elements of the symmetric group*, Lecture Notes, http://schur.ucsd.edu/ garsia
- L. Manivel, Symmetric functions, Schubert polynomials and degeneracy loci, chapter 2.8

RC-graphs

- Mikhail Kogan, Abhinav Kumar, *A proof of Pieri's formula using generalized Schensted insertion algorithm for rc-graphs*, Proc. Amer. Math. Soc. **130** (2002), no. 9, 2525–2534. (math.CO/0010109)
- Mikhail Kogan, *RC-graphs and a generalized Littlewood–Richardson rule*, Internat. Math. Res. Notices 2001, no. 15, 765–782. (math.CO/0010108)

Schubert varieties

- L. Manivel, Symmetric functions, Schubert polynomials and degeneracy loci, chapter 3 (the whole chapter will constitute several talks)

Kazhdan-Lusztig polynomials and Fock spaces

- Francesco Brenti, *Kazhdan-Lusztig polynomials: History, Problems, and Combinatorial Invariance*, Séminaire Loth. Comb. **49** (2003) Article B49b (http://www.mat.univie.ac.at/~slc)
- Bernard Leclerc, *Symmetric functions and the Fock space representation of $U_q(\widehat{sl}_n)$*, Lectures presented at the Newton Institute, June 2001 (http://www.math.unicaen.fr/~leclerc/camb2.ps)

Connection between representation theory and polehedra

- Igor Pak and Ernesto Vallejo, *Combinatorics and geometry of Littlewood-Richardson cones*, preprint (2003) 15 pp., to appear in Europ. J. Combinatorics. (http://www-math.mit.edu/~pak/liri91.ps)

Connection between representation theory and applied algorithms

- Alexander Barvinok and Tamon Stephen, *The distribution of values in the Quadratic Assignment Problem*, Mathematics of Operations Research, 28(2003), 64-91. (http://www.math.lsa.umich.edu/~barvinok/quas1.ps)

Proof of the Stanley-Wilf conjecture

- Adam Marcus and Gabor Tardos, *Excluded permutation matrices and the Stanley-Wilf conjecture*, preprint
  http://www.renyi.hu/~tardos/submatrix.ps and also
  http://www.math.rutgers.edu/ zeilberg/mamarim/mamarimhtml/martar.html.