VASU TEWARI, University of Pennsylvania
Refined mixed Eulerian numbers

Mixed Eulerian numbers were introduced by Postnikov as mixed volumes of hypersimplices, and they can be considered as a far-reaching generalization of classical Eulerian numbers. In this talk, we will introduce a refinement of these numbers by 'inserting a q' in the setup. We will subsequently provide combinatorial and probabilistic interpretations for these *remixed Eulerian numbers*. Time permitting, we will discuss our main motivation: combinatorics of Schubert polynomials and the permutahedral variety.

This is a report on work in progress with Philippe Nadeau.