Nicolas Perrin

Title: Quantum K-theory of grassmannians

Abstract: (joint work with A. Buch, P.-E. Chaput and L. Mihalcea) Quantum K-theory is the generalisation of quantum cohomology to K-theory. I will present some results, both qualitative and computational on quantum K-theory of grassmannians (and some avatars like cominuscule spaces): finiteness, positivity and Chevalley formulas.