1093-05-176 **Francois Bergeron*** (bergeron.francois@uqam.ca), Dept. of Mathematics, UQAM, C.P. 8888, Succ. Centre-Ville, Montreal, Quebec H3C 3P8, Canada. *Recent Developments in Rational Combinatorics.*

There has been a lot of recent developments in the interaction between the combinatorics of generalized Dyck paths, and parking functions, in a rectangle; linking thes discret objects to several subjects such as the elliptic Hall algebra, the shuffle algebra, rational Cherednik algebras, etc. Part of this story involves interesting operators on symmetric functions. We will describe how to construct new such operators that (conjecturally) furnish the bigraded Frobenius characteristic of rectangular parking function modules for all pairs of integers. (Received August 13, 2013)