## **JAMES A. MINGO**, Queen's University, Kingston, Ontario K7L 3N6 *Cumulants of the Weingarten Function*

The Weingarten function has emerged as a central object in the asymptotics of representation theory of the classical groups as well as in estimating unitary matrix integrals. I will show how techniques from free probability can be used to analyse the Weingarten function.

This is joint work with Roland Speicher.