

# Probabilistic Operator Algebra Seminar

Organizer: Dan-Virgil Voiculescu

May 8     **Christian Voigt**, University of Glasgow

Title: *Infinite Quantum Permutations.*

I will discuss an approach to study quantum symmetries of infinite graphs. This leads to new examples of discrete quantum groups, in analogy to the quantum groups of Wang and Banica/Bichon. For finite sets and graphs, the construction can in fact be viewed as giving the discretization of the latter (compact) quantum groups. Along the way I will present a number of examples, and highlight some open problems.