

# Probabilistic Operator Algebra Seminar

Organizer: Dan-Virgil Voiculescu

April 7     **Jorge Garza-Vargas**, Caltech.

Title: *A new approach to strong convergence II*

I will discuss recent results on strong convergence of GOE/GUE/GSE and Haar Orthogonal/Unitary/Symplectic random matrices, which yield state of the art quantitative rates of convergence for the norm of non-commutative polynomials (with matrix coefficients) evaluated in such random matrices. Emphasis will be placed on the new techniques behind these results. This is joint work with Chi-Fang Chen and Ramon van Handel.