

**Bhishan Jacelon**

## **The K-distribution of random graph C\*-algebras**

I will explain how results from combinatorial random matrix theory show that various random graph C\*-algebras are asymptotically almost surely Kirchberg algebras with trivial  $K_1$ . This in particular implies that, with high probability, the stable isomorphism classes of such algebras are exhausted by variations of Cuntz algebras that we term 'Cuntz polygons'. In some cases, the asymptotic probability of obtaining a stable isomorphism class represented by an actual Cuntz algebra can be computed from existing theory. In other cases, data obtained from computer simulations provide estimates. This is joint work with Igor Khavkine.