SERBAN BELINSCHI, University of Saskatchewan

Convolution semigroups in operator-valued probability

In this talk we shall discuss from an analytic perspective non-commutative convolution semigroups of distributions with values in a $C^*$-algebra $B$. It turns out that these semigroups can be naturally indexed by sub-semigroups included in the space of completely positive maps on $B$. This is joint work with M. Anshelevich, M. Fevrier and A. Nica.