Colloquium
de mathématiques

▌**Roland SPEICHER**
Université de la Sarre, Sarrebruck, Allemagne

jeudi 19 mars 2020 à 16h40

Amphi Deville (Bâtiment C), UFR ST
16 route de Gray - Besançon

http://lmb.univ-fcomte.fr/

→ **Free probability, random matrices, and non-commutative rational functions**

In free probability we want to understand the distribution of functions in non-commuting variables. I will explain what this means and what we actually calculate. In particular, the variables will typically be random matrices or operators on Hilbert spaces and a prominent class of functions will be given by non-commutative rational functions.

For this talk, no prior knowledge on operator algebras or random matrices of free probability is assumed.

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