



## Mathematics and CS Seminar

# Free Probability, Random Matrices, and Non-Commutative Rational Functions

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Universität des Saarlandes

Host: Laszlo Erdős

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 or free probability is assumed.

**Tuesday, May 21, 2019 04:30pm - 05:30pm**

Big Seminar room Ground floor / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.