

Free functional inequalities on the circle

Ionel Popescu (Georgia Tech, Atlanta)

Time **Thursday, Febr 12, 2015 at 16:00**

Place **Campus Kirchberg, room B04**

Free functional inequalities on the circle are developed in this talk. There are differences from the free inequalities on the line case and also from the classical counterparts. Perhaps the main novelty here is the Wasserstein distance involved in the transportation inequality which also enters the HWI inequality and is implicit also in proof of the Log-Sobolev inequality. Also the Poincare inequality has a relatively interesting twist. If time permits I will treat also some of the classical counterparts.