**Asymptotic representation theory**

The asymptotic representation theory is a meeting place for, among others, the usual ("adjectiveless") representation theory, combinatorics, probability theory, ergodic theory, harmonic analysis and random matrix theory. During the talk I will present just one problem which is typical for this discipline: the problem of understanding "jeu de taquin" which is a dynamical system related to the representation theory of the infinite symmetric group.