

*On representations of the infinite symmetric group*

Prof. Artem Dudko (Stony Brook University)

Date: Thursday, 21 March 2013

Time: 3:45-4:45pm

Location: Chauvenet 320

**Abstract:** Representations of the infinite symmetric group  $S(\infty)$  and related questions were studied extensively by Vershik, Kerov, Olshanski, Okounkov, Nessonov and other researchers. Many remarkable relations were found with Analysis, Ergodic Theory, von Neumann Algebras, Random Matrix Theory and other areas. In this talk I will give a survey on representations of  $S(\infty)$ . If time permits, I will talk also about other limits of symmetric groups.