Speaker: Mikhail Ershov

Title: On finiteness properties of subgroups of $Aut(F_n)$.

Abstract: Let $n \ge 2$ be an integer, and let $G = Aut(F_n)$, the automorphism group of a free group of rank n. I will discuss some recent progress on the following questions:

(a) Does G have Kazhdan's property (T)?

(b) Does G have property (FAb), that is, does every finite index subgroup of G have finite abelianization?

(c) Which terms of the Andreadakis-Johnson filtration of G are finitely generated?