Seminar of the Department of Mathematics and Statistics, University of Cyprus

**Room:** 037, ΣΘΕΕ01. **Date:** 21/02/2018 **Time:** 11:00

**Speaker:** Boris Kunyavskii (Bar-Ilan University)

**Title:** *Equations in simple matrix groups and algebras*

**Abstract:**

I will give a brief survey of recent developments in investigation of word equations in simple matrix groups and polynomial equations in simple (associative and Lie) matrix algebras. The focus will be made on complex and real geometry of relevant varieties. If time permits, arithmetic problems will also be overviewed.