Speaker: Valentina Harizanov

Title: Orbits of maximal vector spaces

Abstract: Maximal sets play an important role in the study of the lattice of computably enumerable sets and its quotient lattice modulo finite sets. Soare established that two maximal sets are automorphic in these lattices. Similarly, maximal vector spaces play an important role in the study of the lattice of computably enumerable vector spaces and its quotient lattice modulo finite dimension. We investigate orbits of maximal vector spaces, which are not always automorphic even when the spaces are strongly supermaximal. This is joint work with Rumen Dimitrov.