METU Mathematics General Seminar

Comeager Isomorphism Classes in Zero-dimensional Dynamics

Todor Tsankov
Claude Bernard University Lyon 1 (Lyon, France)

Abstract

It is often possible to parametrize a given class of dynamical systems by elements of a Polish space and then it becomes natural to ask what properties hold "generically", i.e., for a comeager set of systems. The most extreme situation is when there is a single comeager isomorphism class: that is, the generic properties are captured by a single system. I will survey what is known about this problem in zero-dimensional topological dynamics, that is, countable group actions on the Cantor space. I will focus on some recent joint work with Michal Doucha and Julien Melleray concerning minimal systems.

Date: Thursday, 9 April 2026
Time: 15:40
Place: Gündüz İkeda Seminar Room