Speaker: Slawomir Solecki

Title: Fraïssé Limits and Compact Spaces

Abstract: Fraïssé theory is a method in classical Model Theory of producing canonical limits of certain families of finite structures. It turns out that this method can be dualized, with the dualization producing projective Fraïssé limits, and applied to the study of compact metric spaces. I will describe recent results, due to several people, on connections between projective Fraïssé limits and the structure of some canonical compact spaces and their homeomorphism groups (the pseudoarc, the Menger curve, the Lelek fan, simplexes with the goal of developing a projective Fraïssé homology theory).