

Department of Mathematics, BGU

BGU Probability and Ergodic Theory (PET) seminar

On *Thursday, October ,25 2018*

At *11:00 – 12:00*

In *101-*

Yair Hartman (Ben-Gurion University (

will talk about

Stationary C^* -Dynamical Systems

Abstract: We introduce the notion of stationary actions in the context of *C*-algebras, and prove a new characterization of *C*-simplicity in terms of unique stationarity. This ergodic theoretical characterization provides an intrinsic understanding for the relation between *C*-simplicity and the unique trace property, and provides a framework in which *C*-simplicity and random walks interact. Joint work with Mehrdad Kalantar.