

Department of Mathematics, BGU

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# BGU Probability and Ergodic Theory (PET) seminar

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*On Thursday, April ,16 2026*

*At 11:10 – 12:00*

*In 101-*

Yair Hartman (BGU)

will talk about

## **On The Simplicity of Reduced Crossed Products, and Stabilizers**

Abstract: For a minimal action of a countable group  $G$  on a compact space  $X$ , we establish necessary conditions for the simplicity of the corresponding reduced crossed product  $C^*$ -algebras in terms of stabilizer subgroups. In particular, our result gives a complete characterization of the simplicity of the reduced crossed product associated with minimal actions of linear groups, answering a question of Ozawa (2014) for these groups. Joint work with Mehrdad Kalantar