

Department of Mathematics, BGU

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# BGU Probability and Ergodic Theory (PET) seminar

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*On Thursday, May ,26 2022*

*At 11:10 – 12:00*

*In 101-*

Shrey Sanadhya (Ben-Gurion University)

will talk about

## **Universality for $\mathbb{R}^d$ -flows**

Abstract: A dynamical system is called universal if any system with lower entropy can be embedded into it. In this talk, we will discuss universality for  $\mathbb{R}^d$  flows ( $d > 1$ ) both in ergodic and Borel contexts. We will discuss a specification property that implies universality for  $\mathbb{R}^d$  flows and provide an example of a tiling dynamical system with this specification property. This is ongoing work with Tom Meyerovitch. This talk is a preliminary report.