

Department of Mathematics, BGU

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# BGU Probability and Ergodic Theory (PET) seminar

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*On Thursday, June 23, 2022*

*At 11:10 – 12:00*

*In room 106, building 28*

DANIEL INGEBRETSON (BEN-GURION UNIVERSITY)

will talk about

## **Hausdorff and packing measure of some decimal and Luroth expansions**

ABSTRACT: A common method for quantifying the size of sets of Lebesgue measure zero is via Hausdorff or packing dimension. A more delicate question is to determine the value of the corresponding Hausdorff or packing measure at dimension. In this talk we will show a way to approach this question for some simple fractal sets arising from numeration systems.

**Please Note the Unusual Place!**