

Department of Mathematics, BGU

Noncommutative Analysis

On Monday, April ,11 2022

At 11:00 – 12:00

In 32/114

Wieslaw Kubis (Institute of Mathematics, Prague)

will talk about

A new universal AF-algebra

Abstract: We introduce and study a new class of separable approximately finite-dimensional (AF) C^* -algebras, namely, AF-algebras with “Cantor property”. We show the existence of a separable AF-algebra A that is universal in the sense of quotients, i.e. every separable AF-algebra is a quotient of A . Moreover, a natural extension property involving left-invertible embeddings describes it uniquely up to isomorphism.

This is a joint work with Saeed Ghasemi. The paper is Universal AF-algebras. J. Funct. Anal. 279 ,(2020) no. ,5 ,108590 32 pp.