

Department of Mathematics, BGU

Operator Algebras and Operator Theory

On Monday, January, 1 2018

At 16:00 – 17:00

In 101-

Magdalena Georgescu (BGU)

will talk about

Inverse Systems of Groupoids, with Applications to C^* -algebras

Abstract: In this talk, I will discuss specific cases of inverse systems of groupoids, and the dual directed systems of groupoid C^* -algebras. This is based on a recent paper with Kyle Austin (with early contributions by Joav Orovitz).

I will start with a general discussion of inverse systems of groupoids for which limits can be shown to exist, followed by a particular construction of approximating a given sigma-compact groupoid equipped with a Haar system of measures by an inverse system of second countable groupoids. I will conclude by discussing connections to results about C^* -algebras.

Kyle gave a talk a few weeks ago mentioning some of the results in our paper; overlap will be kept to a minimum, while still making the talk self-contained.