Department of Mathematics, BGU

Colloquium

On *Tuesday, April ,2 2019*

At *14:30 – 15:30*

In *Math 101-*

Scott Edward Schmieding (Northwestern University)

will talk about

The stabilized automorphism group of a subshfit

Abstract: The automorphism group $Aut(\sigma)$ of a subshfit (X,σ) consists of all homeomorphisms $\phi\colon X\to X$ such that $\phi\sigma=\sigma\phi$. When (X,σ) is a shfit of finite type, $Aut(\sigma)$ is known to have a rich group structure, and we'll discuss some background and problems related to the study of $Aut(\sigma)$. Finally, we'll introduce a certain stabilized automorphism group and outline results which, among other things, provide new cases in which we can distinguish (up to isomorphism) the stabilized groups of certain full shfits. This is joint work with Yair Hartman and Bryna Kra.