Department of Mathematics, BGU

AGNT

On *Wednesday, November 28, 2018*

At *15:10 – 16:25*

In *-101*

Avner Segal (Bar Ilan)

will talk about

Structure of Degenerate Principal Series of Exceptional Groups

Abstract: The reducibility and structure of parabolic inductions is a basic problem in the representation theory of p-adic groups. Of particular interest is its principal series and degenerate principal series representations, that is parabolic induction of 1-dimensional representations of Levi subgroups. In this talk, I will start by describing the functor of normalized induction and its left adjoint the Jacquet functor and by going through several examples in the group SL_4(Q_p) will describe an algorithm which can be used to determine reducibility of such representations. This algorithm is the core of a joint project with Hezi Halawi, in which we study the structure of degenerate principal series of exceptional groups of type En (see https://arxiv.org/abs/1811.02974).