HADI SALMASIAN, Queen's University, Kingston, ON

Small degenerate principal series and exceptional dual pairs

I will describe a general theorem which connects unitary representations of reductive groups and Kirillov's orbital theory for nilpotent groups. We show how this result applies to the study of certain dual pairs in exceptional groups which basically generalize the (noncompact)  $\mathrm{GL}(1) - \mathrm{GL}(n)$  duality.