FIONA MURNAGHAN, University of Toronto
Relatively supercuspidal representations

Let (G, H) be a p-adic symmetric pair. (That is, G is a connected reductive p-adic group and H is the group of fixed points of an involution of G that is defined over the field of definition of G.) The H-relatively supercuspidal representations of G are the H-distinguished representations of G having the additional property that their generalized matrix coefficients are compactly supported modulo $H \cdot Z(G)$, where $Z(G)$ is the centre of G. We will discuss a procedure for constructing H-relatively supercuspidal representations. In addition, we will give information about H-relatively supercuspidal representations whose inertial supports are comprised of regular supercuspidal representations ("regular" in the sense of Kaletha).