

October 16: Charlotte Chan (MIT), *L-packets of S -unramified regular supercuspidal representations*

In 2001, Yu gave an algebraic construction of supercuspidal representations of p -adic groups which is now known to be exhaustive when the residual characteristic is sufficiently large (Kim, Fintzen). There has since been a lot of progress towards explicitly constructing the local Langlands correspondence: DeBacker-Reeder (depth zero), Reeder and DeBacker-Spice (unramified toral), and Kaletha (regular supercuspidals). In this talk, we present recent and ongoing work with Masao Oi investigating a geometric counterpart to this story.