SPEAKER: Kwangho Choiy (Southern Illinois University)

TITLE: On restriction toward local Langlands correspondences for p-adic groups

ABSTRACT: Given a pair (G, H) of a p-adic group G and its closed subgroup H having the same derived group, we apply the restriction method, studied by Labesse, Langlands and others, to establish the local Langlands correspondence of H from that of G. In this framework, after a tour of the known correspondences for $H = SL(n)$, $Sp(4)$, $GSpin(4)$, $GSpin(6)$, and their inner forms, we shall discuss major obstacles for general (G, H) and some attempts to overcome them.