## APPLICATION OF TWO GEOMETRIC THETA LIFTS TO TRACES OF SINGULAR MODULI (60 MINUTES)

## CHANG HEON KIM

In this talk I will investigate Borcherds lifts of vector valued modular forms of weight 1/2 and Kudla Milson theta lifts of weakly holomorphic modular forms of weight 0. As their application I will show the modularity of traces of singular moduli.