SPEAKER: Siddhesh Wagh (University of Oklahoma)

TITLE: Maass space for lifts from $SL(2)$ to $GL(2)$ over a division quaternion algebra.

ABSTRACT: Muto, Narita and Pitale created Saito-Kurokawa like lifts for Maass forms from $SL(2)$ to $GL(2)$ over quaternions. The construction used Maass's converse theorem and lacks any intermediate Jacobi form spaces. This creates a major hurdle in identifying the image of the lift and requires a completely new approach. In this talk, we overcome this problem by using a combination of classical and representation theory methods.