

February 28: Jeffrey Adams (University of Maryland), “Nilpotent Orbits and the Spherical Unitary Dual.” FOLLOWED BY DINNER.

It is well known that there is an intricate interplay between nilpotent orbits for G , nilpotent orbits for G^\vee , and unitary representations of G . I will make this as precise as possible in the case of spherical unitary representations. A key tool is that a nilpotent orbit may be uniquely obtained via birational induction from a Levi factor. This is joint work with Dan Barbasch.