

SPEAKER: David Vogan (MIT)

TITLE: Local Langlands conjecture and representations of compact groups

ABSTRACT: The Langlands conjectures relate simple but subtle things (finite field extensions of the rationals) to really complicated and incredibly subtle things (infinite-dimensional automorphic representations). It's tough to think about proving these conjectures when both sides are inaccessible.

I'll briefly outline what some of the conjectures say, and then focus on versions that replace automorphic representations by compact group representations.