

SPEAKER: Moshe Adrian (University of Utah)

TITLE: The local Langlands correspondence: from real to p -adic groups

ABSTRACT: The local Langlands correspondence for real groups has been known for some time. Over p -adic fields, the correspondence is by and large unknown, but there has been a fair amount of recent progress. I will present a new construction due to Dick Gross that mirrors the local Langlands theory over the reals, and I will give some examples of his construction. If there is time, I will show how to use Gross's theory to give a new realization of the depth zero local Langlands correspondence for $\mathrm{PGSp}(4, F)$ (where F is a p -adic field), which is joint work with Joshua Lansky.