Speaker: Stephen Gelbart

Title: On the Reciprocal of p-adic L-functions and p-adic Langlands-Shahidi Integrals: the case of SL(2)

Abstract: We introduce an analog of part of the Langlands-Shahidi method to p-adic SL(2), constructing reciprocals of certain p-adic L-functions using the non constant terms of the Fourier expansions of Eisenstein series. Using p regular, we give explicit p-adic measures whose Mellin transforms are reciprocals of Dirichlet L-functions (plus a delicately chosen multiple of Haar measure necessary for bound-edness). This is joint work with S. Miller, A. Panchishkin and F. Shahidi.