On p-adic L-functions
for finite slope
modular forms

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111 Cummington Mall, MCS B21
Tea and cookies in MCS 144 at 4:00 pm

Abstract: A theorem of Shimura states that even though the special values of L-functions for Hilbert modular forms are in general transcendental numbers, one may normalize them by dividing by periods well-defined up to elements of a number field in order to make them algebraic. A p-adic L-function is a gadget belonging to p-adic arithmetic which then encodes the algebraic special values. In this talk I will discuss some aspects of the construction of p-adic L-functions for Hilbert modular forms, and I will especially insist on making no smallness hypothesis on the so-called slope. This is joint work with David Hansen.