October 21: Eric Opdam (Univ. Leiden), "Hecke algebras and the tempered L-function conjecture." Followed by dinner.

This is a report on joint work with Volker Heiermann (NT.0908.0699). Let F be a p-adic field and let G be the group of points of a quasi-split reductive F-group. Heiermann has shown in general that the cuspidal support (M, σ) of a discrete series representation τ of G is located at a pole of maximal order of the Harish-Chandra μ-function. Under the condition that τ is generic we show that the relevant μ-function can be compared to the μ-function of an affine Hecke algebra with essentially equal parameters. This leads to a general proof of Shahidi's tempered L-function conjecture for G.