1069-11-90 **A. Raghuram*** (araghur@math.okstate.edu), Department of Mathematics, 401 Mathematical Sciences, Oklahoma State University, Stillwater, OK 74078. *Eisenstein cohomology and special values of Rankin-Selberg L-functions.*

I will introduce the notion of Eisenstein cohomology and show how one can use it to prove algebraicity results for ratios of successive critical values for the Rankin-Selberg L-functions for GL(n) x GL(m) under the parity restriction that n+m is odd. This is joint work with Guenter Harder, and it generalizes previous work of Harder in the case of GL(2) x GL(1), and complements my own results on GL(n) x GL(n-1). (Received January 16, 2011)