

**Meeting:** 1004, Bowling Green, Kentucky, SS 7A, Special Session on Semigroups of Operators and Applications

1004-11-138      **Robert Pollack** and **Tom Weston\*** ([weston@math.umass.edu](mailto:weston@math.umass.edu)), Dept of Mathematics and Statistics, University of Massachusetts, Amherst, MA 01003. *Anticyclotomic Iwasawa invariants of elliptic curves*. Preliminary report.

Let  $E$  be an elliptic curve over  $\mathbb{Q}$ . The anticyclotomic main conjecture relates the Greenberg Selmer groups of  $E$  over ring class fields of  $\mathbb{Q}$  to the  $p$ -adic  $L$ -function of  $E$ . In this talk we discuss a proof of a portion of the anticyclotomic main conjecture for certain curves  $E$ . (Received January 22, 2005)