1125-11-384　　　　　**Romyar T. Sharifi***, Department of Mathematics, UCLA, Los Angeles, CA 90095-1555.

Reciprocity maps with restricted ramification.

In this talk, we will compare two maps that naturally arise in study of the cohomology of number fields with ramification restricted to a finite set S of primes. Using this comparison, we will relate the cokernel of one of these maps, which we call an S-reciprocity map, to dual Selmer groups of residual representations for newforms that satisfy congruences with Eisenstein series modulo a prime in S. (Received August 30, 2016)