1035-22-1124 **David C Manderscheid*** (dmanderscheid2@unl.edu), College of Arts and Sciences, Dean's Office, 1223 Oldfather Hall, University of Nebraska, Lincoln, NE 68588-0312. *Quadratic Base Change for p-adic SL(2) as a theta-correspondence: Supercuspidal representations.*

The theory of Langlands Functoriality and the theory of theta correspondences give methods to construct representations of a group over a local or global field. It is often of number-theoretic interest to compare these methods. In this talk I will compare the methods in the case of quadratic base change for SL(2) over a p-adic field. I will use the theory of types and the lattice model of the Weil reprsentation. I will emphasize the role played by supercuspidal representations. (Received September 18, 2007)