1086-11-1797 **David Zureick-Brown*** (dzb@mathcs.emory.edu) and **Christopher Davis** (christopherjdavis@gmail.com). *Overconvergent de Rham-Witt cohomology for Algebraic Stacks.*

The de Rham-Witt complex is a complex of sheaves on the Zariski site of a scheme whose cohomology computes crystalline cohomology and whose applications abound. The analogous construction for rigid cohomology was elusive until recently – Davis, Langer, and Zink construct a complex of sheaves on the Zariski site of a scheme whose cohomology computes rigid cohomology. Olsson recently generalized both crystalline cohomology and the classical de Rham-Witt complex to stacks, with applications to log geometry and to the Cst conjecture of p-adic hodge theory.

In this talk I will explain the generalization of the overconvergent de Rham-Witt complex to stacks. (Received September 24, 2012)