1067-12-2199   **David Harbater**, **Julia Hartmann** and **Daniel Krashen*** (`dkrashen@math.uga.edu`), Department of Mathematics, University of Georgia, Athens, GA 30602. *Higher dimensional local-global principles.*

This talk will examine local-global principles for algebraic structures defined over fields of the form $K(X)$ where K is a complete discretely valued field and X/K is a curve. In particular, we will examine torsors for linear algebraic groups and the measure the failure/success of local-global principles defined with respect to different types of "more local" fields. This is joint work with David Harbater and Julia Hartmann. (Received September 22, 2010)