1056-35-744    **Katharine A. Ott\*** (`katharine.ott@uky.edu`), Department of Mathematics, 715 Patterson Office Tower, University of Kentucky, Lexington, KY 40506, and **Russell Brown**. *The mixed boundary value problem in Lipschitz domains.*

In this talk I will discuss recent progress on the mixed problem for the Laplacian in Lipschitz domains. In this setting we prove existence and uniqueness of solutions to the mixed problem when the Neumann boundary data lies in $L^p$ and the Dirichlet data lies in $W^{1,p}$ for $p$ near 1. This is joint work with R. Brown. (Received September 16, 2009)