1010-45-48 **Irina Mitrea*** (`im3p@virginia.edu`), University of Virginia, Department of Mathematics, Charlottesville, VA 22904. *The Dirichlet problem for higher order elliptic equations in polygonal domains.* Preliminary report.

In this talk I will discuss a multiple layer potential approach for solving the Dirichlet problems with L^p data for higher order elliptic equations in polygonal domains in two dimensions. (Received August 10, 2005)