1005-45-165 **Irina Mitrea*** (`im3p@virginia.edu`), University of Virginia, Department of Mathematics, Kerchof Hall, Charlottesville, VA 22904. *Mixed Boundary Value Problems on Polygons.* Preliminary report.

We discuss well-posedness results for mixed Dirichlet-Neumann boundary value problems on polygonal domains in the plane with data in Sobolev spaces. (Received February 08, 2005)