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**Dorina Mitrea\*** ([dorina@math.missouri.edu](mailto:dorina@math.missouri.edu)), 202 Math Sci Bldg, University of Missouri-Columbia, Columbia, MO 65211. *Layer potentials on spaces with vanishing mean oscillations.*

I will consider the Dirichlet problem for elliptic systems on non-smooth domains with the boundary data in the space of functions with vanishing mean oscillations. The goal is to study the solvability of this problem with the solution represented in terms of layer potentials. (Received July 18, 2005)