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Irina Mitrea* (imitrea@temple.edu), Temple University, Department of Mathematics, 1805 N. Broad Street, Philadelphia, PA 19122. *THE BMO-DIRICHLET PROBLEM FOR ELLIPTIC SYSTEMS IN THE UPPER-HALF SPACE.*

In this talk I will discuss the BMO-Dirichlet boundary value problem for homogeneous, second order, constant complex coefficient elliptic systems and show well-posedness in the class of functions for which the Littlewood-Paley measure associated with it is a Carleson measure in the upper-half space. This is joint work with J. Maria Martell, D. Mitrea, and M. Mitrea. (Received March 20, 2017)