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Loredana Lanzani* (llanzani@syr.edu), Mathematics Department, 215 Carnegie Bldg.,
Syracuse, NY 13244, and **Elias M. Stein**. *The Cauchy Integral in Several Complex Variables*.

I will give a survey of recent joint work with E.M. Stein concerning the study of Lebesgue-space regularity (or lack thereof) for the higher-dimensional analogue of the Cauchy integral, under minimal assumptions on the ambient domain's boundary regularity. Time permitting, I will discuss applications to the orthogonal projection operators onto the Hardy and Bergman spaces. (Received July 17, 2016)