1139-42-551 Marius Mitrea* (mitream@missouri.edu), University of Missouri, Department of Mathematics, Columbia, MO 65211. Fatou-Type Results for Elliptic Systems in Uniformly Rectifiable Domains. In this talk, I will be presenting a new approach for establishing quantitative Fatou-type theorems for null-solutions of an injectively elliptic first-order (homogeneous, constant complex coefficient) system of differential operators in an arbitrary uniformly rectifiable domain in the *n*-dimensional Euclidean space, assuming that the nontangential maximal operator is *p*-th power integrable (with respect to the Hausdorff measure) for some integrability exponent larger than (n - 1)/n. Such a result has a wide range of applications, including the theory of Hardy spaces associated with injectively elliptic first-order systems in uniformly rectifiable domains. This new approach also yields Fatou-type results for the gradient of null-solutions of elliptic second-order systems in arbitrary uniformly rectifiable domains. (Received February 19, 2018)