Hyunchul Park* (hpark02@wm.edu), Department of Mathematics, College of William & Mary
P.O. Box 8795, Williamsburg, VA 23187, and Renming Song. Harmonic measure for subordinate
Brownian motions with Gaussian components on $C^{1,1}$ open sets and its applications.

In this paper we investigate the harmonic measure $\mathbb{P}_x (X_{\tau_D} \in \cdot)$ for a large class of subordinate Brownian motions with
Gaussian components on bounded $C^{1,1}$ open sets $D$ in $\mathbb{R}^d$, $d \geq 2$. Unlike Brownian motions or $\alpha$-stable processes
the harmonic measure is supported on $\partial D$ as well as $\bar{D}^c$ and we will show that each part can be represented as an
integral against the Martin kernel $M_D(x, z)$, $x \in D$, $z \in \partial D$ and the Poisson kernel $P_D(x, z)$, $x \in D$, $z \in \mathbb{R}^d \setminus \bar{D}$,
respectively. (Received July 17, 2014)