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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 α -stable processes the harmonic measure is supported on ∂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)