In this talk, we formulate the Clark formula for generalized \( \text{Lévy functionals} \) via white noise analysis. It is shown that the \( S \)-transform \( SF \) of a generalized \( \text{Lévy functionals} \) \( F \) satisfies the following formula

\[
SF(\eta) = E[F] + \int_0^1 \frac{d}{dt} SF(P_t(\eta))dt,
\]

where, for \( t \in \mathbb{R} \) and \( h \in L_c^2(\mathbb{R}^2, \lambda) \), \( P_t(h) = h \cdot 1_{(-\infty,t] \times \mathbb{R}} \) and \( E[\cdot] \) denote the generalized expectation. Then the Clark formula is obtain immediately by taking the inverse \( S \)-transform. (Received September 13, 2011)