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**M. M. Rao\*** ([rao@math.ucr.edu](mailto:rao@math.ucr.edu)), Riverside, CA 92502. *Harmonic Analysis of Some Second Order Stochastic Processes.*

Integral representations of second order stochastic processes including the weakly stationary, harmonizable and dissipative classes are given. These results make up of interesting applications of harmonic analysis in Hilbert space. (Received August 26, 2013)