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**Irina Holmes\*** ([icraci1@math.lsu.edu](mailto:icraci1@math.lsu.edu)), Department of Mathematics, 303 Lockett Hall, Baton Rouge, LA 70803, and **Ambar N Sengupta** ([sengupta@math.lsu.edu](mailto:sengupta@math.lsu.edu)), Department of Mathematics, 303 Lockett Hall, Baton Rouge, LA 70803. *A Gaussian Radon Transform for Banach Spaces.*

The Gauss Radon transform, developed as an infinite-dimensional answer to the traditional Radon transform on  $\mathbb{R}^n$ , makes use of Gaussian measures on infinite-dimensional spaces. In this talk we describe the development of the Gauss Radon transform for Banach spaces, within the abstract Wiener space framework. (Received August 23, 2012)