1067-60-1587   **Tai Melcher*** (`melcher@virginia.edu`), University of Virginia, Department of Mathematics, Charlottesville, VA 22903. *Heat kernel measures on a class of infinite dimensional Lie groups.*

Bruce Driver and Masha Gordina recently introduced a class of infinite dimensional "Heisenberg-like" Lie groups based on Len Gross' abstract Wiener space. They studied properties of the heat kernel measure on these groups. I will discuss some results for heat kernel measure on closely related groups which in some ways generalize Driver and Gordina's model. (Received September 21, 2010)