

1135-VM-1770 **Benjamin P Russo***, benjamin.russo@uconn.edu, and **Joel Rosenfeld** and **Warren Dixon**. *A Generalization of the Fock Space*.

In this talk we will introduce a generalized Fock space which uses the Mittag-Leffler function as its reproducing kernel. This space has been featured in the development of a finite difference method. However, it has yet to be investigated as a space of entire functions. We will discuss some preliminary results in comparison to the Fock space and potential applications. This is joint work with Joel Rosenfeld and Warren Dixon. (Received September 24, 2017)