1097-60-17 **Parisa Fatheddin*** (fatheddin@math.utk.edu), 227 Ayres Hall, 1403 Circle Drive, Knoxville, TN 37996-1320, and **Jie Xiong** (jxiong@math.utk.edu), 227 Ayres Hall, 1403 Circle Drive, Knoxville, TN 37996-1320. *Large and Moderate Deviations for a Class of SPDEs.*

A class of stochastic partial differential equations (SPDEs) with non-Lipschitz coefficients will be introduced and its application to two commonly studied population models will be noted. I will discuss our method to achieve large and moderate deviation principles for this class and how we dealt with its non-Lipschitz property. (Received November 20, 2013)