

1125-VP-2511      **Josh M Beal\*** (jobeal@iue.edu), Whitewater Hall Room 256, Indiana University East, Chester Blvd., Richmond, IN 47374. *Characterizing the space of distributions of simple stochastic processes.*

In this talk, we present new results regarding the space of distributions for certain discrete time stochastic processes. We begin by discussing the motivation behind our investigation: the classic 'matching' or 'mimicking' problem. By applying proof techniques used in such 'matching' problems, we show that the space of distributions for any simple stochastic process is actually the convex hull for which the process is Markov. (Received September 20, 2016)