1106-60-2319   **Adina Oprisan*** (`aoprisan@barry.edu`). *Asymptotic results for additive functionals of Semi-Markov processes.*

In this talk we consider additive functionals of continuous time Semi-Markov processes with an arbitrary state space E, $W_t = \int_0^t f(X_s)\,ds$ where f is a Borel measurable function. Several important results are known for the case in which f is bounded and in this talk we discuss a more general class for which functional central limit theorem, almost everywhere central limit theorem and large deviation principle hold true. (Received September 16, 2014)