1099-90-134　　　**Xikui Wang*** (`xikui.wang@umanitoba.ca`), Department of Statistics, University of Manitoba, Winnipeg, Manitoba R3T 2N2, Canada. *Use of Markov decision processes in some finance problems.*

This talk is focused on the use of Markov decision processes and bandit processes for some finance problems including optimal investment and consumption as well as dynamic pricing. Several different models are discussed. We focus on problems where the return functions involve unknown parameters. The Bayesian parametric approach is applied to deal with the unknown parameters. This is joint work with Yanqing Yi, Yan Wang and You Liang. (Received February 04, 2014)