ALEXANDER MELNIKOV, University of Alberta Quantile hedging for Actuarial Risk Management

The main goals of the talk are: to investigate how quantile hedging developed in mathematical finance can be applied to equity-linked life insurance; to perform actuarial analysis to illustrate risk management implications for insurance companies; and to examine how the choice of a particular survival model affects assessment of mortality risk. The approach will be illustrated by presenting numerical examples based on appropriate financial and mortality data.