LETHBRIDGE ANALYSIS SEMINAR

Speaker: Niushan Gao (University of Lethbridge)

Date/Time: Friday October 21, at noon

Room: D634

Title. Quantifying the Risk of An Investment.

Abstract. In this talk, I will briefly review the basic modeling of Mathematical Finance, and then focus on how to numerically measure the risk of a financial position. For the latter purpose, we will introduce the notions of coherent risk measures and convex monetary risk measures. The main result I will present is a robust representation theorem of convex monetary risk measures on all Orlicz spaces other than L_1. No prerequisite is needed except some fundamentals of probability theory such as definitions of L^p-spaces and of functional analysis such as definitions of dual spaces and w^*-topology.

This is joint work with F. Xanthos (Ryerson University).