



Department of Mathematical Sciences

Fall 2017

Colloquium Series

October 20, 2017 at 3pm in Bell Hall 143

Dr. Pavel Bezdek

Citi's Institutional Client Group

Quantitative Modeling of Market and Counterparty Risk in Financial Institutions

A modeling of market risk (e.g. VaR) and counterparty risk (e.g. EPE) is crucial to the stability, financial well-being, and regulatory compliance of every major banking institution. Risk exposures can be translated into required multi-million dollar regulatory capital holdings, which are used to counteract possible defaults or unfavorable market movements. Throughout this talk, we will introduce some commonly used metrics, discuss their strengths and weaknesses, along with potential modeling challenges. Lastly, we will discuss risk mitigation techniques such as margining and the underlying stochastic calculus.

For further information, please contact
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