

November 3rd, 2017

KAP 414

3:30 P.M. – 4:30 P.M. *FRIDAY COLLOQUIUM**

Professor David Li

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“Theoretical Problems in Credit Portfolio Modeling”

Abstract: This talk first provides an overview about the copula function approach to credit portfolio modeling. Some of the key theoretical deficiency in its current framework is then highlighted. Finally, some initial result based on the equilibrium approach to the credit portfolio modeling is presented. This new approach is based on the extension of the copula function for random variables to the copula function for stochastic processes. The basic definition, properties of copulas for stochastic processes are discussed. This new approach allows us to theoretically link our credit portfolio modeling with our classical equity portfolio modeling under the CAPM setting.