Quantitative Methods in Finance

2004 Conference – Practitioner's Workshop

14 December 2004 – Sydney, Australia

Quantitative Aspects of Credit Risk Management

Abstract

This workshop will provide an in-depth analysis of state-of-the-art Credit Portfolio Models and will focus in particular on integrated credit risk management and risk capital management. The presenter will lead you through the various applications and enable you to put your freshly acquired knowledge into practice. This workshop will include references to the new regulations according to Basel II and also to the recent successful book of the presenter.

Focus

Credit Portfolios, Integrated Risk Management, Value at Risk, Basel II.

Who should attend

Credit Risk Managers, Credit Derivative Traders, Regulators, Quantitative Analysts, Hedge Fund Managers.

Presenter

Professor Dr Ludger Overbeck (University of Giessen, Germany)

With an academic background in probability theory and quantitative finance and many years of practical experience in its application at the highest levels in leading German financial institutions Ludger Overbeck knows the topic as only very few in industry and academia. As Head of the Research and Development Team in the *Risk Analytics and Instrument Department* at Deutsche Bank he masterminded the development and implementation of the internal credit portfolio model and its application to bank wide credit risk management, as required by the Basel II recommendations. Prior to this he was with the *Banking Supervision Department* of the Deutsche Bundesbank working on regulatory issues of internal market risk models. He is now Professor of Mathematics and its Application at the University of Giessen and renowned for his research in mathematical finance and risk management. His recent book *An Introduction to Credit Risk Modeling*, co-authored by Christian Bluhm and Christoph Wagner, has had a substantial impact on the practical implementation of internal credit risk models worldwide.

Sessions will include

Credit Portfolio Models

- Basic Building Blocks
- Threshold Model
- Factor Models
- Stress testing
- Capital allocation

Credit Risk as Part of Integrated Risk Management

- Economic Capital Concept
- Integrated RAROC
- Top-Down Integration
- Diversification across risk type

Portfolio Management with CDOs and Credit Derivatives

- Purpose of Portfolio Management
- Product classes
- Modeling based on Default Times
- Extended Asset-value Models

General Concepts in Dependence Modeling

- Copula Approach
- Factor Models
- Dependence between Market and Credit Risk

Fees

One-day workshop: **$1,050** (payment on/before 10.09.04)
$1,200 (payment made after 10.09.04)

Fee includes GST, registration for this workshop, morning and afternoon teas, and lunch.

Date & Time

14 December 2004 / 9.00 am - 5.00 pm

Venue

Manly Pacific Sydney, 55 North Steyne, Manly NSW 2095

Registration

The number of participants is limited. To ensure yourself a seat please register for this workshop as soon as possible. Please contact the QMF2004 Conference Administrator to receive a registration form or visit the website below.

Contact Details

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