



***Quantitative Methods in Investment and Risk Management:
Sourcing new approaches from mathematical theory and the real world***

Date: Thursday September 20th 2007

Venue: Innovation@257, Level 1, 257 Collins St. Melbourne

Background to event

The focus of the event is to highlight the scope for developing value-adding investment strategies out of mathematical and statistical techniques that are applied within the financial world and in other areas of risk management.

Finance practitioners will discuss what mathematical and statistical techniques they use and how they use them.

Finance academics will discuss mathematical and statistical techniques which they feel have unfilled potential to be used in finance and investments.

Risk management experts from other disciplines have been invited to discuss mathematical and statistical techniques that may have applications in finance.

Target audience

Quantitative investment analysts, risk managers, finance academics, mathematicians and statisticians

Event Outline

8:45 - 9:15

Registration

9:15 - 10:30

Session 1: Lead Speakers

- **Leo de Bever**, Chief Investment Officer and Head of Investment Strategy, Victorian Funds Management Corporation - *“Managing short-term risk in a short-term world: Why human behaviour often trumps the calculus of risk”*

- **Pavel Shevchenko**, Principal Research Scientist, Leader, Financial Risk Management, Commonwealth Scientific and Industrial Research Organisation (CSIRO) – *“Bridging to Finance”*

10:30 - 11:00

Morning Tea

11:30 - 12:30

Session 2: Practitioners

- **Laurence Irlicht**, Investment Director, Quantitative Analysis, Victorian Funds Management Corporation – *“Modelling Financial Markets - What Works, What Doesn't and What We Don't Know”*

- **Sam Ferraro**, Quantitative Analyst, Goldman Sachs JBWere – *“Common Mistakes in Risk Measurement”*

- **Wolf Frishling**, Head of Market Risk Quantitative Support & Validation, National Australia Bank – *“Estimation of High Quantiles in Risk Management”*

12:30 - 1:30

Lunch

1:30 - 3:00

Session 3: Finance Academics

- **Paul Lajbcygier**, Associate Professor, Departments of Accounting and Finance and Econometrics and Business Statistics, Monash University – *“Soft Clustering for Funds Management Style Analysis”*

- **Sam Wylie**, Senior Fellow, Melbourne Business School, Melbourne Business School – *“Evaluating Portfolio Managers with Bayesian Scoring”*

- **John van der Hoek**, Senior Lecturer, Applied Mathematics, University of Adelaide – *“Binomial Approximations in Finance”*

3:00 - 3:30

Afternoon tea

3:30 – 5:00

Session 4: Non-finance Experts

- **David Dowe**, Associate Professor, School of Computer Science and Software Engineering, Monash University – *“Fitting models with minimum message length criteria”*

- **Graeme D Hubbert**, Director, Global Environmental Modelling Systems Pty Ltd

- **Mark Burgman**, Professor in Environmental Science at the School of Botany at the University of Melbourne and Director of the Australian Centre of Excellence for Risk Analysis - *“The wider world of risk analysis: dealing with extinction risk, fat tails and other imponderables”*

For registration details please refer: www.melbournecentre.com.au/events.