

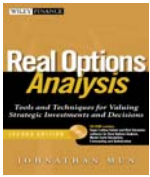
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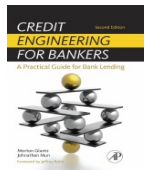


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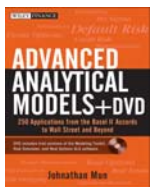
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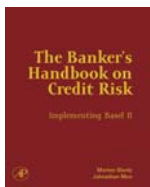
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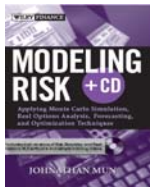
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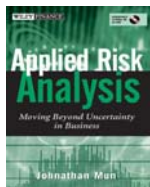
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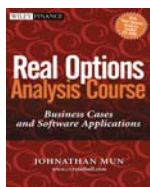
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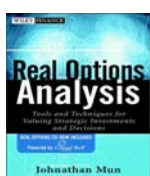
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## ABOUT THE AUTHOR

### Johnathan Mun, Ph.D., MBA, MS, BS, CRM, FRM, CFC, MIFC

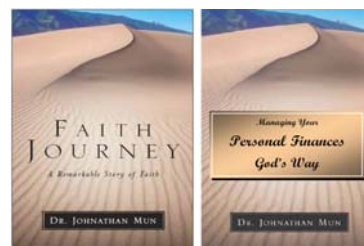
Dr. Johnathan C. Mun is the founder, chairman, and CEO of Real Options Valuation, Inc. (ROV), a consulting, training, and software development firm specializing in strategic real options, financial valuation, Monte Carlo simulation, stochastic forecasting, optimization, and advanced analytics located in northern Silicon Valley, California. ROV has partners around the world including Beijing, Chicago, Colombia, Hong Kong, Japan, Mexico City, New York, Nigeria, Shanghai, Singapore, South Korea, South Africa, Spain, Taiwan, Zurich, and other locations. ROV also has a local office in Shanghai. Dr. Mun is also the chairman of the International Institute of Professional Education and Research (IIPER), an accredited global organization providing the Certified in Risk Management (CRM) designation, among others, staffed by professors from named universities from around the world. He is the creator of multiple software tools including *Risk Simulator*, *Real Options SLS*, *Modeling Toolkit*, *Basel II Modeler*, *ROV Modeler*, *ROV Optimizer*, *ROV Valuator*, *ROV Extractor and Evaluator*, *ROV Compiler*, *ROV BizStats*, *ROV Dashboard*, *Employee Stock Options Valuation*, *ROV Quantitative Data Miner* software and others (some of these tools are showcased in this book), as well as the risk analysis Training DVD. He has authored 11 books published by John Wiley & Sons and Elsevier Science, including *Modeling Risk: Applying Monte Carlo Risk Simulation*, *Strategic Real Options*, *Stochastic Forecasting*, and *Portfolio Optimization*, *First and Second Editions* (2006 and 2010); *The Banker's Handbook on Credit Risk* (2008); *Advanced Analytical Models: 250 Applications from Basel II Accord to Wall Street and Beyond* (2008); *Real Options Analysis: Tools and Techniques*, *First and Second Editions* (2003 and 2005); *Valuing Employee Stock Options* (2004); *Real Options Analysis Course: Business Cases* (2003); *Applied Risk Analysis: Moving Beyond Uncertainty* (2003);

and others. His books and software are being used at top universities around the world. Dr. Mun is also currently a finance and economics professor and has taught courses in financial management, investments, real options, economics, and statistics at the undergraduate and the graduate MBA levels. He teaches and has taught at universities all over the world, from the U.S. Naval Postgraduate School (Monterey, California) and University of Applied Sciences (Switzerland and Germany) as full professor, to Golden Gate University (California) and San Francisco State University (California) as adjunct professor, and has chaired many graduate research MBA thesis and Ph.D. dissertation committees. He was formerly the Vice President of Analytics at Crystal Ball Decisioneering, Inc. Before that, he was a Consulting Manager and Financial Economist in the Valuation Services and Global Financial Services practice of KPMG Consulting and a Manager with the Economic Consulting Services practice at KPMG LLP. He has taught and consulted for over 500 multinational firms (former clients include 3M, Airbus, Boeing, BP, Chevron Texaco, Financial Accounting Standards Board, Fujitsu, GE, Goodyear, Microsoft, Motorola, Pfizer, Timken, U.S. Department of Defense, State and Local Governments, Veritas, and many others). His experience prior to joining KPMG included being department head of financial planning and analysis at Viking Inc. of FedEx, performing financial forecasting, economic analysis, and market research. Dr. Mun received his Ph.D. in Finance and Economics from Lehigh University, where his research and academic interests were in the areas of investment finance, econometric modeling, financial options, corporate finance, and microeconomic theory. He also has an MBA in business administration, an MS in management science, and a BS in Biology and Physics. He is Certified in Financial Risk Management (FRM), Certified in Financial Consulting (CFC), and Certified in Risk Management (CRM). He is a member of the American Mensa, Phi Beta Kappa Honor Society, and Golden Key Honor Society as well as several other professional organizations, including the Eastern and Southern Finance Associations, American Economic Association, and Global Association of Risk Professionals. In addition, he has written many academic articles published in the *Journal of the Advances in Quantitative Accounting and Finance*, the *Global Finance Journal*, the *International Financial Review*, the *Journal of Financial Analysis*, the *Journal of Applied Financial Economics*, the *Journal of International Financial Markets, Institutions and Money*, the *Financial Engineering News*, and the *Journal of the Society of Petroleum Engineers*.

## CONTRIBUTIONS OF CHAPTERS AND CASES



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