

Team Member

Prof. Dr. Uwe Wystup



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Education

PhD in Mathematical Finance, Carnegie Mellon University, Pittsburgh (USA)
 Masters Degree in Mathematics, Goethe University Frankfurt, Germany



Experience

Uwe is founder and Managing Director of MathFinance AG, specializing in consulting, software production, product valuation and litigation services for Foreign Exchange and Equity Derivatives products. He is also a professor of Quantitative Finance, the academic director of the Master program of Quantitative Finance and head of the Finance Department of Frankfurt School of Finance & Management.

Previously Uwe worked for seven years as trading floor quant, FX structurer and Global structured Risk manager at Sal. Oppenheim and Commerzbank, where he was responsible for developing and implementation of FX derivatives models and also for generating tailor-made structures for the bank's clients, internal and external consulting for all FX Options matters.

Uwe publishes regularly in academic journals, wrote two books on Foreign Exchange Options, is visiting professor at Carnegie Mellon University, associate fellow at Warwick Business School, member of the council at Fintegral AG, Senior Advisor at QuantZ Capital Management LLC, New York, member of Asset Management Advisory Committee of the federal Foundation "Remembrance, Responsibility and Future"

Relevant project experience:

- Validation of Murex' Tremor hybrid stochastic/local stochastic volatility model
- Expert consultant to Clifford Chance for all matters concerning FX Options including counterparty credit risk methods
- Project leader for the development/support of the strategy and pricing software ICY Fx
- Pricing library for FX exotic options, produced for a large German bank's retail trading platform
- Simulation analysis and tool for long term investment plans with different guarantee structures for DWS, AXA, Franklin Templeton and the German media
- Expert witness for Messrs Tan Kok Quan Partnership, Singapore: analyzing a large portfolio of exotic options and its close-out during the financial crisis
- Excel/VBA tools to price exotic products like discretely monitored partial lookback options for a hedge fund in London and shout FX forwards for a large consulting company in Hong Kong
- Independent valuation of equity basket retail certificates for the bank in Germany with the most retail clients (in Mathematica)
- Prototyping a weighted Monte Carlo based valuation and hedging tool for quanto equity basket options for a large bank in Germany (in C++)