Maria Siopacha, PhD

Summary

Proficiently qualified quantitative risk specialist with demonstrated managerial skills and more than 10 year experience in risk modelling and risk models governance. Vast expertise in risk control/risk methodology space. Acknowledged accomplisher of projects and tasks delivering in high quality with whom people are keen to work with.

Experience

UBS, Risk Methodology — Zurich, Switzerand

Director – Local Supervisor Risk Methodology Krakow — *01/2018 – present*

- Supervise/coach local Quant team of risk methodology in Krakow, Poland;
- Secure low attrition level;

UBS, Risk Methodology – Statistical Risk Aggregation Methodology — Zurich, Switzerand

Director – Head Model Confirmation & Governance — *04/2012 – present*

- Directing/training/coordinating team dedicated on model performance monitoring and confirmation of the statistical risk aggregation models (market risk, credit risk, operational risk, business risk, pension risk etc) encompassing industry leading statistical risk models for economic capital;
- Accomplished foundation/establishment of widely accepted confirmation framework for statistical models by internal and external regulators as well as by Group Internal Audit/internal validation team;
- Succeeded compliance with internal model governance policies and governance procedures for Group and legal entities;
- Fulfilled closure of internal/external audit items and sign-off conditions by validation;

Director – Quantitative Risk Specialist — *08/2011 – 03/2012*

- Achieved position as a guest auditor of the Group Internal Audit function on the non-trading interest rate risk Group-wide Audit;
- Developed and maintained funding cost risk/liquidation cost risk statistical models;
- Established and developed well acknowledged by validation/regulators risk aggregation model;

Raiffeisen Bank International, Risk Control – Market Risk Management — Vienna, Austria

Director – Senior Market Risk Modeller — *12/2008–07/2011*

- Designed/implemented pricing of capital guaranteed products;
- Developed internal market risk model/scenario generator;
- Communicated with external auditors/banking regulators in the context of the internal model approval process that resulted in successful approval in 07/2010 by the Austrian authorities;
- Validated Murex for Front Office use;

Marfin Popular Bank, Treasury Department – Structured Investments Desk — Nicosia, Cyprus

Trader — *01/2008 – 11/2008*

- Structured investment and deposit products;
- Traded bonds/RMBSs;

DEPFA Bank, Risk Management – Market Risk Products — Nicosia, Cyprus

Quantitative Analyst — *07/2007 – 12/2007*

- Developed option pricing routines;
- Advanced Numerix user;

Vienna University of Technology, Financial & Actuarial Mathematics Unit (FAM) — Vienna, Austria

PostDoctoral Researcher — *02/2007 – 06/2007*

- Researched/analysed valuation/tractable pricing of exotic swap-rate and interest rate options;

Vienna University of Technology, FAM — Vienna, Austria

Research Assistant — *09/2003 – 01/2007*

- Researched/explored Malliavin calculus, interest rate theory, LIBOR market models with stochastic volatility;

University of Cyprus, Hermes European Center — Nicosia, Cyprus

Research Assistant — *09/2002 – 08/2003*

- Investigated Markowitz efficient frontiers and α-stable distributions;

Laiki Bank Hellas, Treasury Department — ATHENS, GREECE

Trader – Interest Rates/Capital Markets Desk *11/2001 – 08/2002 & 03/2000 – 08/2000*

- Accomplished promotion to Trader in six months;
- Traded currency swaps/depos/Greek government bonds;
- Promoted/traded structured products for intrabank and commercial purposes;

Junior Trader – Foreign Exchange Desk *08/1999 – 02/2000*

- Accomplished promotion to Front Office in less than six months;
- Quoted FX prices/providing detailed information on FX rates to corporate clients;

Settlements Controller – Back Office *02/1999 – 07/1999*

- Administrated settlement details of front office transactions and limit reports;

ACNielsen Cyprus Limited — NICOSIA, CYPRUS

Intern – Summer job *1995, 1996, 1997*

- Supported the statistician responsible for inspection and production;
- Analysed statistical data using Excel;

Education

Vienna University of Technology, FAM — VIENNA, AUSTRIA

Doctor of Technology (PhD) in Financial Mathematics (with distinction) *09/2003 – 01/2007*

Thesis: Taylor Expansions of Option Prices by means of Malliavin Calculus, Advisors: Prof. Dr. Josef Teichmann and Prof. Dr. Walter Schachermayer.

The University of Warwick, Mathematics Institute, Warwick Business School, Department of Statistics & Department of Economics — COVENTRY, UK

Master of Science (MSc) in Financial Mathematics *09/2000 – 09/2001*

Thesis (with distinction): Passport Options – The Multi-Dimensional Model, Advisor: Prof. Dr. Vicky Henderson.

University of Aegean, Department of Mathematics — SAMOS, GREECE

Ptyhion (Bachelor) in Mathematics *09/1993 – 10/1998*

Professional Seminars

Internal UBS Education — ZURICH, SWITZERLAND

Managing within UBS; Communicating for results; Credit derivatives; Credit risk in OTC products; Risk disclosure workshop; Volatility derivatives; Accounting and balance sheets *2011 – 2013*

Marcus Evans Seminars — LONDON, UK

Risk and modelling fixed income interest rates *04/2010*

Economotechniki Seminars — NICOSIA, CYPRUS

The role of securitisation in the modern financial system *05/2008*

Bloomberg Daily Seminars — ATHENS, GREECE

Getting started; Forex on Bloomberg; NW monitor the markets; Convertible and equity derivatives; Credit and interest rate derivatives *2001 – 2002*

Athens Derivatives Exchange Seminars — ATHENS, GREECE

Volatility trading *11/2001 – 12/2001*

TransCredit and Monis Software — ATHENS, GREECE

Derivatives analytic seminar *11/2001*

FOREX Club Hellas, Junior Dealer's Seminars — ATHENS, GREECE

FX basics; Money market basics; Bond basics; Forward market and currency swaps *10/1999 – 11/1999*

Skills

Computer skills: Matlab, R, C++, LaTeX, MS Office.

Languages: Greek *(native)*, German *(fluent)*, English *(fluent)*.

Interests

Fitness, photography, nature, culture, cooking.