

# ANDRÉ LEVY

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## *SUMMARY*

Quant strategist with 12 years international experience in **Derivatives Pricing, Mathematical Finance and Risk Management**, 22 years programming experience, and strong interpersonal skills in **Team Leadership, People Mentoring and Contract Negotiation**.

## *EDUCATION*

- Mar 06 - Present **UNIVERSITY OF NEW SOUTH WALES** Sydney, NSW - Australia  
**PhD Banking & Finance**  
www.banking.unsw.edu.au - Australian School of Business  
· Liquidity Asset Pricing, Algorithmic Trading and Market Microstructure
- Sep 97 - Jun 99 **STANFORD UNIVERSITY** Palo Alto, CA - USA  
**MSc Management Science & Engineering**  
www.stanford.edu/dept/MSandE - previously Dept of Engineering-Economic Systems and Operations Research  
· Focused studies on Derivatives Pricing, Mathematical Finance, Portfolio Optimisation, Risk Management, Financial Economics, Corporate Finance and Game Theory.  
· Assisted in teaching at the Department of Industrial Engineering & Engineering Management.
- Mar 92 - Jun 96 **UNIVERSITY OF SÃO PAULO** São Paulo, SP - Brazil  
**BSc Mathematics**  
www.ime.usp.br - same rank as University of Sydney in Shanghai Jiao Tong University's World Ranking  
· Ranked first among students entering the Pure Math, Applied Math and Statistics programs.  
· Elected Director of the Student Association to represent students on faculty committees in decision-making regarding the hiring of professors, course offerings, and to organize social, business and educational events.

## *EXPERIENCE*

- Dec 05 - June 08 **APRA - Australian Prudential Regulation Authority** Sydney, NSW - Australia  
www.apra.gov.au - Australian regulatory authority for banks, insurance companies and superannuation (pension) funds  
**HEAD OF OPERATIONAL RISK ANALYTICS**  
· Managed team of four quantitative analysts in the review of Basel II Operational Risk Advanced Measurement Approach (AMA) applications and implementations.  
· Led and supervised quantitative analysts on the research and publication of white papers on operational risk analytics.  
· Presented and represented APRA in meetings with industry groups, accounting and actuarial firms, and foreign regulators, including the Committee of European Banking Supervisors and the AIGOR (Accord Implementation Group's Operational Risk) Subgroup.  
**MANAGER, OPERATIONAL RISK ANALYTICS**  
· Managed team of two quantitative analysts in the review of Basel II Operational Risk Advanced Measurement Approach (AMA) applications.  
· Collaborated on the development of prudential regulation and industry guidance notes.
- Mar 05 - Nov 05 **Westpac Banking Corporation** Sydney, NSW - Australia  
www.westpac.com.au - world's most sustainable bank since 2002 (DJSI)  
**MANAGER, MODEL RISK REVIEW**  
· Reviewed and revised peer audits on internal credit risk rating systems and metrics (PD, LGD, EAD), and operational risk scorecards, in compliance with Basel II standards.  
· Liaised with business units in sourcing supporting evidence and presenting recommendations.

Apr 01 – Sep 04 **Formatex**

São Paulo, SP - Brazil

[www.formatex.com](http://www.formatex.com) - leading national retailer of high-end interior design fabrics and furniture

#### GM STRATEGIC PLANNING

- Restructured 60-year old family owned business into 200-strong decentralised and empowered organisation, by instilling Corporate Governance best practices and culture.
- Responsible for coordinating Change Management efforts with Senior and Middle Managers, and for day-to-day operations of Human Resources, Information Technology and General Services departments, totalling 30 people in staff and a \$1.5m budget.
- Introduced and trained Managers on the use of performance metrics, management accounting (EVA®) and Activity Based Budgeting. Transformed departments and stores into semi-autonomous business units.
- Project managed replacement of legacy systems for fully integrated ERP plus Corporate Portal, from project scoping, supplier selection and contract negotiation to project specification and implementation. Negotiated contract down by 40% from initial offer. New ERP and Portal allowed for a reduction of 20% in total headcount.
- Developed and implemented web-based multi-dimensional OLAP Business Intelligence reports using Microsoft SQL Server, Analysis Services and Office Web Components.

Aug 99 – Oct 00 **PricewaterhouseCoopers**

Menlo Park, CA - USA

[www.pwc.com](http://www.pwc.com) - Financial Advisory Services/Corporate Valuation Consulting/Applied Decision Analysis

#### SENIOR ASSOCIATE

- Managed projects in electric power industry.
- Collaborated on business development of web-based FAS133 derivatives valuation ASP.

#### ASSOCIATE

- Evaluated capital investment decisions in the e-commerce, electric power, pharmaceuticals, oil and gas and mining industries, using Real Options Methodology.
- Designed and implemented all-purpose Real Options Calculator for valuation of real asset investments, under diverse scenarios, including prices with jumps and mean-reversion.

Aug 95 – Jul 97 **Matrix**

São Paulo, SP - Brazil

[www.itau.com](http://www.itau.com) - leading hedge fund, later acquired by Banco Itau, second largest S. American private bank

#### RISK MANAGER

- Introduced Risk Management best practices through the development and implementation of Senior Management risk reports consolidating market risks across proprietary and asset management portfolios.
- Analysed and engineered structured financial products comprising of bonds, currencies, fixed income and equities. Performed in-depth valuation and execution of US\$20 million leveraged sovereign debt derivatives investment fund.
- Founded Brazilian Association of Risk Professionals in collaboration with peers, providing the means to share ideas and experiences among risk professionals.
- Taught Financial Mathematics to traders, sales force and analysts.

#### TRAINEE

- Researched and built derivatives pricing and portfolio allocation models for trading desks.

#### PUBLICATIONS

- Levy, André and Swan, Peter L., "Optimal Portfolio Balancing Under Conventional Preferences and Transaction Costs Explains the Equity Premium Puzzle", *Working Paper*, Australian Business School, University of New South Wales, September 2006.  
<http://ssrn.com/abstract=971785>
- Levy, André, "For a National Financial Services Authority", *Cenários de Política e Economia para Planejamento Financeiro e Estratégico*, FGV, July 2007.  
<http://www2.fgv.br/gv-preve/arquivo/boletim/port/Cenários%20julho%202007.pdf>

*OTHER*

- Mar 06–Nov 07 **NAAH - New South Wales Association for Adolescent Health** Sydney, NSW - Australia  
www.naah.org.au - peak body representing youth health organisations in NSW
- VOLUNTEER TREASURER & BOARD DIRECTOR**
- Responsible for oversight over budget and financials.
- VOLUNTEER BOARD DIRECTOR**
- Assisted in introducing governance best practice into decision-making processes.
- Mar 05–Present **Tamarama Surf Life Saving Club** Sydney, NSW - Australia  
tamaramaslsc.org - volunteer organisation promoting ocean safety at Tamarama beach
- VOLUNTEER SURF LIFE SAVER**
- Member of the fundraising committee.

*ADDITIONAL*

- Fluent English, Spanish and Portuguese; Working knowledge of Italian, French and German.
- Permitted to work in Australia, EU and Mercosur.
- Lived 3½ years in the US, 2 years in the UK and 3 years in Australia.

*REFEREES*

- Peter Swan** peter.swan@unsw.edu.au  
Scientia Professor, School of Banking & Finance, UNSW
- PhD supervisor at University of New South Wales.
- Meiring de Villiers** mdv@unsw.edu.au  
John Landerer Faculty Fellow and Senior Lecturer, Faculty of Law, UNSW
- MSc supervisor at Stanford University.