CURRICULUM VITAE

DR JONATHAN GRAEME DARK

PERSONAL DETAILS

Address	38 Dent Street, Glen Iris, Melbourne 3146
D.O.B.	October 12, 1973
Work details	Department of Finance Level 11, The Spot The University of Melbourne Victoria 3010 Tel: +61 3 8344 6866 Fax: +61 3 8344 6914 Email: jdark@unimelb.edu.au

QUALIFICATIONS

2004	Doctor of Philosophy, University of Newcastle, Australia Thesis title: Bivariate Fractionally Integrated Volatility Processes: Modelling the Australian All Ordinaries Index and its SPI futures.
1999	Bachelor of Economics (Honours): Class I, University of Newcastle, Australia.
1997	Bachelor of Commerce, University of Newcastle, Australia.

APPOINTMENTS

2008-	Senior Lecturer: Department of Finance, The University of Melbourne, Australia
2004-7	Lecturer: Econometrics and Business Statistics, Monash University, Australia.
2003	Associate Lecturer: Economics, University of Newcastle, Australia.
1992-2000	Accountant at Price Waterhouse/PricewaterhouseCoopers.

AWARDS

2003	Barclay's Global Investors Prize. Best paper on Capital Markets/Funds Management, Australasian Banking and Finance Conference, Sydney 2003.
1999	APA Phd Scholarship.
1999	University medal, University of Newcastle.

RESEARCH

Publications

1. Dark, J. (2015) Futures hedging with Markov switching vector error correction FIEGARCH and FIAPARCH, *Journal of Banking & Finance* 61, 269-285.

2. Opie, W. and Dark. J. (2015) Currency overlay for global equity portfolios: Cross hedging and base currency, *Journal of Futures Markets,* 35(2), 186-200.

3. Dark, J. (2012). Will tighter futures price limits reduce hedge effectiveness? *Journal of Banking and Finance,* 36, 2717-2728.

4. Opie, W., Brown, C. and Dark, J. (2012). Dynamic currency hedging for international stock portfolios. *Review of Futures Markets*, 20-4.

5. Maharaj, E., Galagedera, D., and Dark, J. (2011). A comparison of developed and emerging equity market return volatility at different time scales, *Managerial Finance*, 37 (10), 940-952. .

6. Brown, C., Dark, J. and Davis, K. (2010). Contracts for Difference: Design, Pricing and Effects. *Journal of Futures Markets,* 30 (12), 1108-1149.

7. Dark, J., Zhang, X. and Qu, N. (2010). Influence diagnostics for the multivariate GARCH processes, *Journal of Time Series Analysis*, 31, pg 278-291.

8. Dark, J. (2010). Estimation of time varying skewness and kurtosis with an application to Value at Risk. *Studies in Nonlinear Dynamics and Econometrics,* Vol 14(2), Article 3.

9. Raghavan, M., Dark, J. and Maharaj, E. (2010). Impact of capital control measures on the Malaysian stock market: A multiresolution analysis. *International Journal of Managerial Finance*, 6(2), pg 116-127.

10. Raghavan, M. and Dark, J. (2008). Return and Volatility Spillovers between the Foreign Exchange Market and the Australian All Ordinaries Index, (2008). *The ICFAI Journal of Applied Finance*, 14(1), pg 41-48.

11. Maharaj, E., Moosa, I., Dark, J. and Silvapulle, P. (2008). Wavelet Estimation of Asymmetric Hedge Ratios: Does Econometric Sophistication Boost Hedging Effectiveness, *International Journal of Business and Economics*, 7(3), pg 213-230.

12. Dark, J. (2007). Basis convergence and long memory in volatility when dynamic hedging with futures. *Journal of Financial and Quantitative Analysis*, 42(4), pg 1021-1040.

13. Dark, J. (2005). A Critique of Minimum Variance hedging, *Accounting Research Journal*, 18(1), pg 40-49.

Clinical Sciences

14. D'Souza, B., Slack, T., Wong, S., Lam, F., Muhlmann, M., Koestenbauer, J., Newstead , G. (2015). Randomised controlled trial of probiotics after colonoscopy, *ANZ Journal of Surgery,* July.

15. Mirbagheri, N., Dark, J. and Skinner, S. (2013). Factors predicting stomal wound closure infection rates, *Techniques in Coloproctology,* 17(2),pg 215-220.

16. Mirbagheri, N., Kumar, B., Deb, S., Poh, B., Dark, J., Leow, C., and Teoh. T. (2014). Lymph node status as a prognostic indicator after preoperative neoadjuvant chemoradiotherapy of rectal cancer. *Colorectal Disease* 16(10) pg O339-O346.

17. Mirbagheri, N., Dark, J. and Watters, D. (2010). How do Patients Aged 85 and older fare with abdominal surgery, *Journal of the American Geriatric Society*, 58(1), pg 104-108.

Working papers/work in progress

1. A multivariate dynamic correlation model with long memory dependence and asymmetries

2. Multivariate extreme value theory and dynamic MIDAS panel regression with an application to sovereign credit risk (with David Harris, Harold Scheule).

3. Macroeconomic determinants of risk neutral density moments extracted via the generalised lambda distribution (with M. Low)

4. Excited or Depressed – Inferring Investor mood from implied probability weighted mixture distributions (with P. Kofman and R. Pownall)

5. Financialization of commodities: An analysis of risk, activity and price in principal storable commodity futures markets (with L. Coleman)

6. The inter-temporal relationship between international house prices and female workforce participation (with L. Coleman)

7. Volatility as an asset (with Federico Nadari)

Conference Presentations

2016	New Zealand Finance Colloqium 2016, Queenstown
2015	Newcastle Business School – Invited speaker
2014	Econometric Society Australasian Meetings, Tasmania
	Recent developments in Financial Econometrics and Applications, Geelong
	PhD Conference discussant (James Brugler), Monash University
2013	Quantitative methods in Finance, Sydney
2012	Econometric Society Australasian Meetings, Melbourne
2011	Australasian Banking and Finance Conference, Sydney
	Invited Speaker, Newcastle Finance Research Workshop, The University of Newcastle.
	Financial Management Association, Asian meetings, Queenstown.
2010	Australasian Banking and Finance Conference, Sydney.
2009	Invited Speaker, FIRN Workshop on Time Series Econometrics, University of Technology, Sydney.
	Invited Speaker, National Centre for Econometric Research, Financial Econometrics Workshop, Hobart, December 2009.
2008	Invited speaker, National Centre for Econometrics research and the Centre for Applied Macroeconomic Analysis, Frontiers in Financial Econometrics Workshop, Queensland University of Technology.
	Financial Management Association, European meetings, Prague.

	Melbourne Derivatives Research Group, Melbourne.
2007	Invited speaker, Workshop on Non-Linear and Complex System Analysis, Queensland University of Technology.
	Financial Management Association, European meetings, Barcelona.
2006	Financial Management Association, European meetings, Stockholm.
	Econometric Society Australasia Meetings, Alice Springs.
2005	Proceedings of 3rd Oxmetrics conference, London.
	Financial Management Association, European meetings, Siena.
2004	Econometric Society Australasia Meetings, Melbourne.
2003	Econometric Society Australasia Meetings, Sydney
	Australasian Banking and Finance Conference, Sydney.

Seminar Presentations

2013	Queensland University of Technology University of Technology Sydney
2012	Massey University, Palmerston North Victoria University, Wellington University of Technology Sydney
2011	The University of Western Australia
2009	The University of Newcastle. Macquarie University.
2008	Latrobe University.
2007	University of Melbourne.
2006	Australian National University.
2005	Queensland University of Technology.
2004	Politecnico di Milano. Dipartimento di Statistica, Universita di Firenze.
2003	RMIT, Melbourne.

Research Grants

2010	Australian Centre for Financial Studies Research Grant – The Joint Dynamics of crude Oil and Natural gas Futures with an Application to value at Risk
2005	Faculty Research Grant – Monash University 2005. Time Varying Domestic and Global Risk in the Australian Stock Market (with R. Brooks and R. Faff).
2003	Faculty Research Grant – Monash University 2004. Modelling the conditional density using a Hyperbolic Asymmetric Power ARCH model.
2003	ARC Discovery Grant - I have worked on a team comprising Robert Faff, Robert Brooks and Tim Fry on an ARC Grant entitled "A Complex Systems Approach to Modelling Time-Varying Risk in the Presence of Market Frictions".

Supervision

Doctoral

2011-14	Michelle Low "The Option Implied Density of the S&P500: What Drives Market Uncertainty and Crisis Prediction".
2009-12	Wei Zhang. "Dynamic currency hedging".

Honours

2016	Sidarth Dube. "Investigating The Lead-Lag Effect In Stock Prices Using Systems Of Higher Moment Realized Estimators."
2015	Lachlan Grey. "An Application of Fractionally Cointegrated VAR Modelling to Realized and Implied Variance to Support the Consideration of Intertemporal Dynamics in Financial Study."
2014	Thomas Fahrer. "Modelling bitcoin's tail risk: an application of extreme value theory and hedge ratios"
2012	Matthew Wajngarten. "Price Discovery in the Australian Stock Market post the arrival of Chi-X
	Cheng Qiu."What's the bright side of natural disasters – Better forecast ability: Empirical study of Nikkei 225 index".
2011	Magan Hasan. "Selective hedging in the Australian gold mining sector".
	Zong Aw. "Analysis of International Diversification Benefits: An Australian perspective".

2010 Zhou Meng Yu. “The Effect of markets spillovers on dynamic optimal hedge ratio”.

2009 Tim Monahan. “How effective are electricity futures in hedging electricity price risk? An investigation into the PJM Interconnection.”

2008 Sasha Gu. “Size, Net Interest Margin and Diversification at Australian Banks”.

Michelle Low. “The value at risk of stock portfolios: A practical alternative to RiskMetrics™”.

Masters

2009 Guilherme Gomes. “Cross-sectional Behaviour of the Volatility Dynamics of Crude Oil and Natural Gas Futures with an Application to Value at Risk”.

Bo Zhou. “Does the Positive Tradeoff Between Risk and Return Still Hold During the Sub-Prime Mortgage Crisis”.

2008 Jing Liao. “Financial and Macroeconomic Variables' Predictability in the Australian Market

2006 Mala Raghavan. “Impact of capital control measures on the Malaysian stock market”.

Nan Qu. “Influence Diagnostics for Multivariate GARCH processes”

2005 Michael Clark. “Hedging using long memory volatility processes”

Refereeing

2016 Journal of Banking and Finance
International Review of Economics and Finance
Journal of Asian Economics
Australian Journal of Management
PhD Thesis Examiner (Queensland University of Technology)

2015 Journal of Economic Dynamics and Control
Pacific Basin Finance Journal
Economic Record
ARC assessor
Program Committee member Asian FMA 2016
Masters examiner (Macquarie University)

2014 Economic Record
Australian Journal of Management
International Review of Financial Analysis
JASSA

2013	American Journal of Agricultural Economics Journal of Banking and Finance JASSA PhD Examiner (UNSW)
2012	Journal of Banking and Finance Journal of International Financial Markets Managerial Finance JASSA Journal of Risk Model Validation Program Committee Member FMA Annual meeting Atlanta FIRN
2011	ARC Grant Assessor PhD Examiner. Title: Forecasting Volatility and Correlation: The Role of Option Implied Measures. Candidate: Christopher Andrew Coleman-Fenn (Queensland University of Technology) Program Committee member Asian FMA 2012 Economic Record Journal of Statistical Planning and Inference South African Journal of Economics
2010	Journal of Futures Markets Studies in Nonlinear dynamics and Econometrics American Journal of Agricultural Economics Bulletin of Economic Research Accounting and Finance Australian Journal of Management 2010 and 2011 FMA Asian conference
2009	Accounting and Finance
2008	Journal of Futures Markets Australian Economic Papers
2007	Journal of Econometrics
2006	Studies in Nonlinear Dynamics and Econometrics
2005	Accounting and Finance Managerial Finance

OTHER

2016-	Finance Honours Co-ordinator
2011-12	Joint Director - Masters of Commerce

REFEREES

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