

# Daniel Ladley

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CV

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## Education

2004–2008 **PhD. Finance**, *Leeds University Business School and School of Computing*, University of Leeds.

2001–2004 **BSc. Computer Science**, *School of Computing*, University of Leeds, 1st.

## PhD thesis

title *Essays on Computational Finance*

supervisors K. R. Schenk-Hoppé and Netta Cohen

## Experience

4/2014–  
present **Senior Lecturer in Finance**, *Department of Economics*, University of Leicester.

9/2008–  
3/2014 **Lecturer in Finance**, *Department of Economics*, University of Leicester.

2009–present **Deputy Director**, *Institute of Finance*, University of Leicester.

## Publications

Chiarella, C., Ladley, D. (2016) Chasing trends at the micro-level: The effect of technical trading on order book dynamics *Journal of Banking and Finance* Forthcoming.

Jackson, A., Ladley, D. (2016) Market Ecologies: The Effect of Interaction on the Interaction and Profitability of Technical Trading Strategies *International Review of Financial Analysis* Forthcoming.

Charemza, W., Ladley D. (2016) Central banks' forecasts and their bias: Evidence, effects and explanation *International Journal of Forecasting* Forthcoming.

Ladley, D., Lensberg, T., Palczewski, J., Schenk-Hoppé, K. R. (2015) Fragmentation and Stability of Markets *Journal of Economic Behaviour and Organisation*, 2015, 119, 466-481.

Lensberg, T., Schenk-Hoppé, K. R., Ladley D. (2015) The costs and benefits of financial regulation: Short-selling bans and transaction taxes, *Journal of Banking and Finance*, 51, 103-118.

- Ladley, D., Wilkinson, I., Young, L. (2015) The Impact of Individual versus Group Rewards on Work Group Performance and Cooperation: A Computational Social Science Approach, *Journal of Business Research*, 68(11), 2412-2425.
- De Kamps, M., Ladley, D., Simaitis, A. (2014) Heterogeneous Beliefs in Over-The-Counter Markets, *Journal of Economic Dynamics and Control*, 41, 50-68.
- Ladley, D. (2013) Contagion and risk sharing on the interbank market, *Journal of Economic Dynamics and Control*, 37(7), 1384-1400.
- Ladley, D. (2012) Zero Intelligence in Economics and Finance, *The Knowledge Engineering Review*, 27(2), 273-286.
- Hall, S. G., Ladley, D. (2012), Introduction to the special issue in honour of Wojciech Charemza, *Journal of Economic Change and Restructuring*, 45(1), 1-2.
- Bullock, S., Kerby, M. Ladley, D. (2012) Wasps, Termites and Waspmites: Distinguishing Competence From Performance in Collective Construction, *Artificial Life*, 18(3), 267-290
- Ladley, D., Schenk-Hoppé, K. R. (2009) Do stylized facts of order book markets need strategic behaviour? *Journal of Economics Dynamics and Control*, 33(4),817-831.
- Ladley, D., Bullock, S. (2008) The strategic exploitation of limited information and opportunity in networked markets, *Computational Economics*, 32(3),295-315.
- Ladley, D., Bullock, S. (2007) Integrating Segregated Markets. *International Transactions on Systems Science and Applications*, Special Issue (ed. Akira Namatame) 3(1), 11-18.
- Ladley, D., Bullock, S. (2005), The role of logistic constraints in termite construction of chambers and tunnels. *Journal of Theoretical Biology*, 234(4), 551-564.

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## Chapters

- Ladley, D., Pellizzari, P. (2014) The simplicity of optimal trading in order book markets, In *Advances in Nonlinear Economic Dynamics and Quantitative Finance, Essays in Honour of Carl Chiarella*, (ed. Dierci, R., He, X.-H. & Hommes, C.) 183-199, Berlin-Germany: Springer-Verlag.
- Ladley, D., Bullock, S. (2007), The effects of market structure on a heterogeneous evolving population of traders , In *Emergent Intelligence of Networked Agents, Proceedings of the Workshop on Emergent Intelligence of Networked Agents, WEIN 06* (ed. Namatame, A., Kurihara, S., Fukuda, K., Hirotsu, T., Sugawara, T. & Sato, S.),pp 83-97. Berlin Germany: Springer-Verlag
- Ladley, D., Bullock, S. (2006), Who to listen to: Exploiting information quality in a ZIP-agent Market. In *Agent-Mediated Electronic Commerce. Designing Trading Agents and Mechanisms, Proceedings of AAMAS 2205 Workshop AMEC 2005 and IJCAI 2005 Workshop, TADA 2005* (ed. La Poutre, H., Sadeh, N. M. & Janson S.), pp 200-211. Berlin Germany: Springer-Verlag
- Ladley, D., Bullock, S. (2004), Logistic Constraints on 3D termite construction, In *Ant Colony Optimization and Swarm Intelligence, Proceedings of the 4th International Workshop, ANTS 2004* (ed. Dorigo, M., Birattari, M., Blum, C., Gambardella, L. M., Mondada, F. & Stutzle, T.),pp 178-189. Berlin Germany: Springer-Verlag

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## Working Papers

The role of interbank lending in financial crisis: The case of the 1873 panic (with Rousseau, P.)

The effect of hormones on financial market stability (with Bose, S. and Lin X.)

Margin Trading (with Liu, G. and Rockey, J.)

A model of party formation and competition (with Rockey, J.)

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## Conference Presentations

Royal Economic Society, 2016

HeForShe, 2015

Financial Risk and Network Theory, 2015

5th International Financial Engineering and Banking Society Conference, 2015

7th International Finance and Banking Society Conference, 2015\*

21st International Conference on Computing in Economics and Finance, 2015\*

Financial Risk and Network Theory, 2014

4th International Financial Engineering and Banking Society Conference, 2014

6th International Finance and Banking Society Conference, 2014

MDEF - Dynamic Models in Economics and Finance, 2014\*

Royal Economic Society, 2014\*

European Public Choice Society, 2014\*

FEBS/LabEx-ReFi: Financial Regulation and Systemic Risk, 2013

Royal Economics Society Conference, 2013

18th Workshop on Economic Science with Heterogeneous Interacting Agents, 2013

4th International Finance and Banking Society Conference, 2012

18th International Conference on Computing in Economics and Finance, 2012

21st Silvaplane Workshop on Political Economy, 2012\*

11th Society for the Advancement of Economic Theory Conference, 2011

ICEC 2011 Workshop on Robustness and Reliability of Electronic Marketplaces, 2011

26th Congress of the European Economic Association, 2011\*

6th European Consortium for Political Research General Meeting, 2011

Banking and Finance Post-Crisis, Institute of Finance Workshop, 2011

6th BMRC-QASS Conference on Macro and Financial Economic, 2011

16th International Conference on Computing in Economics and Finance, 2010

TradeTech2010

CESifo 4th Workshop on Political Economy, 2010\*

15th International Conference on Computing in Economics and Finance, 2009

Nonlinear dynamics in economics, Jonkoping, 2009

14th International Conference on Computing in Economics and Finance, 2008

Artificial Life XI, 2008  
COMISEF workshop, University of Essex, 2008  
Agent Based Modelling in Economics and Finance, UNSW, 2008  
International Conference on Complex Systems 2007  
International Marketing and Purchasing group conference 2007  
Complex07 - 8th Asia-Pacific Complex Systems Conference, 2007  
Complex Adaptive Economic Systems workshop, 2007  
The Seventh Trans-Atlantic Doctoral Conference, 2007  
12th International Conference on Computing in Economics and Finance, 2006  
Social Network Analysis: Second Forum on Advances and Empirical Applications, 2006  
WEIN06: Workshop on Emergent Intelligence of Networked Agents, 2006  
TADA05: Trading Agent Design and Analysis, 2005  
Ant Colony Optimization and Swarm Intelligence, 2004  
\* - Joint paper presentation given by co-author.

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### Invited Seminars

2016 University of Bath, University of Santiago  
2015 King's College London  
2013 University of York  
2012 University of Oxford  
2011 Bank of England, CFA Masterclass series, University of Amsterdam  
2010 University of Amsterdam, City University, University of Nottingham, Cass Business School  
2009 The Financial Services Authority  
2008 University of Leicester, University of Essex  
2007 University of Technology, Sydney., University of Western Sydney, University of New South Wales, ETH

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### Teaching Experience

Fellow of the Higher Education Academy

2015-2016 **Advanced Financial Risk Management**, *Postgraduate module*, Most recent evaluation: 4.64/5.0.

2011-2016 **Financial Risk Management**, *Postgraduate module*, Most recent evaluation: 4.85/5.0.

2010-2014 **Financial Derivatives**, *Postgraduate module*, Most recent evaluation: 4.82/5.0.

2008-2009 **Money and Banking**, *2nd year undergraduate module*.

2008 **Investment Management**, *Postgraduate module*.

2010-2011 **Matlab Programming**, *PhD course*.

2009-2015 **Postgraduate project supervision.**

2009-2011 **Undergraduate project supervision.**

#### PhD Supervision

Hossein Sedghi: Financial Market Stability and Regulation. Completed 2011.

Antony Jackson: Computational Models of Financial Markets. Completed 2013.

Piotr Jelonik: Tempered Stable Distributions and Interbank Stability. Completed 2013.

Guanqing Liu: Technical Trading in Futures Markets. Completed 2015.

Li Xin: High Frequency Trading. Expected Finish 2016.

Evangelos Litos: Dark Pools. Expected Finish 2017.

Umer Naru: Liquidity Spillovers. Expected Finish 2017.

Alena Zhulyaeva: Financial Networks. Expected Finish 2018.

Stamatoula Fragkou: Stress Testing. Expected Finish 2018.

Chi T. M. Tran: Financial Risk Management. Expected Finish 2019.

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#### Administrative Experience

- 2009-present Deputy-director of Leicester Institute of Finance
  - 2010,2014 Lecturer Hiring Committee
- 2015-present College Strategy Board
- 2014-present College Post-Graduate Teaching Committee
- 2014-present GARP Coordinator
  - 2010-2014 CFA Program Director
- 2012-present Postgraduate Finance Degrees Syllabus Committee Chair
  - 2010-2012 MSc. Financial Economics Program Leader
- 2009-present Postgraduate Learning and Teaching Committee
- 2010-present Postgraduate Staff Student Committee
  - 2010-2013 University Research Computing Strategy Board
  - 2008-2014 Departmental Computer Officer
  - 2012-2013 Undergraduate Macro Syllabus Committee member
  - 2010-2012 Undergraduate Finance Syllabus Committee member
  - 2008-2011 Undergraduate Learning and Teaching Committee
  - 2008-2010 Undergraduate Staff Student Committee

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#### Professional Experience

- Subject Matter Expert in Systemic Risk for Professional Risk Managers International Association (PRMIA)
- Consultancy An SME focussing on green energy, 2013
  - University of Leicester Planning Office, 2013
- Co-editor Special issue of the Journal of Economic Change and Restructuring

- PhD Examiner University of Essex - Department of Economics, 2015
- University of Essex - School of Computing, 2015
- University of Leeds - Leeds University Business School, 2014
- Cass Business School, 2013
- University of Essex - CCFEA, 2011
- Co-Chair International Finance and Banking Society (IFABS) Conference, 2016
- Co-Organiser Banking and Finance: Post Crisis Conference, 2011
- International Asset Pricing Workshop, 2010
- Complex Adaptive Economic Systems Workshop at The European Conference on Artificial Life, 2007
- Scientific Committee International Finance and Banking Society (IFABS) 2015, 2014
- Agent Mediated Electronic Commerce and Trading agent Design and Analysis (AMEC/TADA) 2016, 2015, 2014
- Alife XI, 2008
- Media Experience BBC Radio, Local Newspaper
- Reviewer Journal of Banking and Finance, Journal of Economic Dynamics and Control, Journal of Economics Behaviour and Organisation, Journal of Business Research, Oxford Bulletin of Economics and Statistics, European Journal of Finance, Quarterly Review of Economics and Finance, Computational Economics, Economic Modelling, International Journal of Finance and Economics, Journal of Network Theory in Finance, Journal of Financial Regulation, Intelligent Systems in Accounting, Finance and Management, North American Journal of Economics and Finance, Computational Statistics and Data Analysis, Journal of Economic Interaction and Coordination, PLOS ONE, Adaptive Behaviour, IEEE Transactions on Evolutionary Computation, Computational Intelligence, Physics Letters A, Complex Adaptive Systems Modelling, Journal of Innovation and Technology Management, The Journal of Theoretical Biology, Applied Spatial Analysis and Policy, Handbooks in Finance, OUP Handbook on Computational Economics and Finance, Advances in Nonlinear Economic Dynamics and Quantitative Finance
- Reviewer EPSRC, ESRC, Swiss National Science Foundation, Czech Science Foundation, National Science Centre (Poland)

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## Research Grants and Awards

- Research Development Fund, Department of Economics, University of Leicester, 2015, £1500
- Research Development Fund, College of Social Science, University of Leicester, 2014, £1990
- Research Development Fund, College of Social Science, University of Leicester, 2013, £1200

Research Development Fund, College of Social Science, University of Leicester, 2013, £450

Young Research Travel Grant, College of Social Science, University of Leicester, 2011, £1450

Young Research Travel Grant, College of Social Science, University of Leicester, 2011, £650

Research Grant, College of Social Science, University of Leicester, 2011, £350

Departmental Research Prize 2008-2009, £500

University Research Bursary, 2004-2007, £42000

Nuffield Undergraduate Research Bursary, 2003, £1400

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## Research Visits and Scholarships

- 8/2016 University of Santiago (Scheduled)
- 5/2015 Department of Economics, Vanderbilt University
- 11/2014 Department of Economics, Vanderbilt University
- 10/2011- Centre for Nonlinear Dynamics in Economics and Finance, University of Amsterdam  
12/2011
- 8/2010 Quantitative Finance Research Centre, University of Technology Sydney, Australia
- 6/2010 Norwegian School of Economics and Business Administration, Bergen, Norway
- 8/2009 Norwegian School of Economics and Business Administration, Bergen, Norway
- 6/2009 Norwegian School of Economics and Business Administration, Bergen, Norway
- 6/2008- Norwegian School of Economics and Business Administration, Bergen, Norway  
7/2008
- 11/2007 Invited Faculty for the Complex Systems Research Summer School 2007: Agent Based Modelling in Socio-Economic Systems hosted by Centre for Research in Complex Systems, Charles Sturt University, Australia
- 7/2007 Securities Industry Research Centre of Asia-Pacific, Sydney, Australia
- 2/2007 Norwegian School of Economics and Business Administration, Bergen, Norway
- 8/2006 Norwegian School of Economics and Business Administration, Bergen, Norway
- 7/2006 Fellowship for the 7th CEEL summer school on Agent Based Computational Economics
- 6/2004- Biosystems Group, School of Computing, University of Leeds  
9/2004
- 6/2003- Biosystems Group, School of Computing, University of Leeds  
9/2004

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## References

Available upon request