

DR DARCY WILLIAM ELLIS ALLEN

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PROFESSIONAL QUALIFICATIONS

- 2013 – 2017 PhD in Economics, RMIT University.
- 2012 Bachelor of Business (First Class Honours), Economics and Finance, RMIT University.
- 2009 – 2011 Bachelor of Business, Economics and Finance, RMIT University.

CURRENT EMPLOYMENT

- 2018 – Postdoctoral Research Fellow, RMIT Blockchain Innovation Hub, RMIT University.

PAST EMPLOYMENT

- 2017 – 2018 Editor, *IPA Review*, Institute of Public Affairs, Melbourne, Australia.
- 2014 – 2018 Research Fellow, Institute of Public Affairs, Melbourne, Australia.

SCHOLARSHIPS AND AWARDS

- 2018 RMIT Prize for Research Excellence (Higher Degree by Research, Enterprise).
- 2015 Winner of RMIT College of Business Three Minute Thesis (3MT) competition.
- 2013 Australian Research Council (ARC) PhD Scholarship.
- 2012 Vice-Chancellor's List for Academic Excellence, 2012.
- 2012 RMIT Economics Honours Scholarship based on Academic Merit.

GRANTS AND RESEARCH INCOME

- 2019 – 2020 **Darcy Allen**, Chris Berg, Mikayla Novak, Jason Potts. 'Incorporation of Blockchain Encryption Technology to Secure Patient Medical Records, Both Episodic and Longitudinal, Within Targeted Medical and Clinical Information Applications'. Victorian Medical Department of Health and Human Services, Victorian Medical Research Acceleration Fund. Total project value: \$299,961.

- 2019 **Darcy Allen**, Chris Berg, Sinclair Davidson, Mikayla Novak, Jason Potts. 'The New Technologies of Freedom'. Mannkal Economic Education Foundation. Total project value: \$35,000.
- 2018 – 2019 **Darcy Allen**, Chris Berg, Jason Potts. 'Applying blockchain to the Victorian Water Register'. Victorian Department of Water, Land, Environment and Planning. \$21,460.
- 2018 – 2019 **Darcy Allen** and Jason Potts. 'Exploring the Potential for Artificial Intelligence and Blockchain to Enhance Transport'. Sustainable Built Environment National Research Centre. Total project value: \$25,000.
- 2018 **Darcy Allen** and Chris Berg. 'Blockchain and Digital Innovation Projects for the APEC Business Advisory Council in Papua New Guinea'. Commonwealth Department of Foreign Affairs and Trade. \$135,000.

PROFESSIONAL AFFILIATIONS

Editorial Positions

- 2019 – Editor, Palgrave book series, *The RMIT Blockchain Innovation Hub Series on the Social Science of Blockchain*.
- 2018 – Editorial Board, *The Journal of the British Blockchain Association*.
- 2018 – Editorial Board, *Frontiers in Blockchain*.

Research Affiliations

- 2018 – Adjunct Fellow, Institute of Public Affairs.
- 2018 – Academic Fellow, Australian Taxpayers' Alliance.
- 2018 – Academic Fellow, Worldwide Blockchain Innovation Association.
- 2018 – Founding Member, International Society for the Study of Decentralized Governance.
- 2017 – Academic Affiliate, University College London Centre for Blockchain Technologies.

PUBLICATIONS

Authored Books

1. **Allen, DWE**, Berg C and Lane AM (forthcoming) *Cryptodemocracy*, Lexington Books Series on Polycentricity: Studies in Institutional Diversity and Voluntary Governance.

Edited Books

1. **Allen, DWE** and Berg, C (eds.) (2018) *Australia's Red Tape Crisis: The Causes and Costs of Over-Regulation*, Connor Court Publishing, Brisbane, Australia, pp. 295.

Refereed Journal Articles

1. **Allen, DWE**, Berg, C, Davidson, S, Novak, M and Potts, J, (2019) 'International Policy Coordination for Blockchain Supply Chains', *Asia and the Pacific Policy Studies*.
2. **Allen, DWE**, Berg A, Berg C, Markey-Towler, B and Potts, J (2019) 'Some economic consequences of the GDPR', *Economics Bulletin*, vol. 39, no. 2, pp. 1-14.
3. **Allen, DWE**, Berg A and Markey-Towler, B (2019) 'Blockchain and Supply Chains: V-form Organisations, Value Redistributions, De-commoditisation and Quality Proxies', *The Journal of the British Blockchain Association*, vol. 2, No. 1, pp. 57-65.
4. **Allen, DWE**, Berg, C and Novak, M (2018) 'Blockchain: An Entangled Political Economy Approach', *Journal of Public Finance and Public Choice*, vol. 33, no. 2, pp. 105-125.
5. **Allen, DWE**, Berg, C and Lane, AM (2018) 'Cryptodemocracy and its Institutional Possibilities', *The Review of Austrian Economics*, pp. 1-12 (not yet assigned to issue).
6. **Allen, DWE** and Berg, C (2017) 'Subjective Political Economy', *New Perspectives on Political Economy*, vol. 13, no. 1-2, pp. 19-40.
7. **Allen, DWE** and Potts, J (2016) 'How the Innovation Commons Contributes to the Development and Discovery of New Technologies', *International Journal of the Commons*, vol. 10, no. 2, pp. 1035-54. (Scimago Q1).
8. Moilanen, A, Daly, A, Lobato, R, and **Allen DWE** (2014) 'Cultures of Sharing in 3D printing: What Can We Learn from the Licence Choices of Thingiverse Users?', *Journal of Peer Production*, vol. 6, no. 1, pp. 1-11.

Chapters in Books

1. **Allen, DWE** (2019) 'Entrepreneurial Exit: Developing the Cryptoeconomy', in Swan, M, Potts, J, Takagi, S, Tasco, P, Witte, F (eds.), *Blockchain Economics*, World Scientific, pp. 197-214.
2. **Allen, DWE** and Berg, C (2018) 'Red Tape Reduction: A New Approach', in DWE Allen and C Berg (eds.), *Australia's Red Tape Crisis: The Causes and Costs of Over-Regulation*, Connor Court Publishing, pp. 208-221.
3. **Allen, DWE** and Berg, C (2018) 'Regulation and Technological Change', in DWE Allen C Berg (eds.), *Australia's Red Tape Crisis: The Causes and Costs of Over-Regulation*, Connor Court Publishing, pp. 222-233.
4. MacDonald, TJ, **Allen, DWE** and Potts, J (2016) 'Blockchains and the Boundaries of Self-organized Economies: Predictions for the Future of Banking', In Tasca, P, Aste, T, Pelizzon, L, and Perony, N (eds.), *Banking Beyond Banks and Money: A Guide to Banking Services in the Twenty-First Century*. Cham: Springer International Publishing, pp. 279-96.

Journal Articles (Revise and Resubmit)

Allen, DWE and Berg, C, 'Blockchains and institutional layering as a new approach to economic development'.

Journal Articles (Submitted)

Allen, DWE, 'The proto-entrepreneurial discovery of blockchain Applications', currently under review at the *Journal of Entrepreneurship and Public Policy*.

Allen, DWE, Lane, AM and Poblet, M, 'The governance of blockchain dispute resolution', currently under review.

Other Working Papers

Allen, DWE, Berg, C, Pochesneva, A and Potts, J. 'Blockchain and the new economics of healthcare', Working Paper Available at SSRN 3396218.

Conference Papers

Allen, DWE, Lane, AM and Poblet, M (2018) 'The Governance of Blockchain Dispute Resolution', presented at *Australian Law and Economics Conference*, Brisbane, 7 December.

Allen, DWE, Berg, C, Davidson, S, Novak, M and Potts, J (2018) 'Blockchain TradeTech', presented at *APEC Study Centres Consortium Conference*, 12-14 May, Papua New Guinea.

Allen, DWE, Berg, C, Lane AM, and Potts, J (2017) 'The Economics of Crypto-democracy', presented at *Linked Democracy: AI for Democratic Innovation, 26th International Joint Conference on Artificial Intelligence*, 19 August.

Allen, DWE and Potts, J (2016) 'The Origin of the Entrepreneur and the Innovation Commons' presented at the *86th Annual Meeting of the Southern Economic Association Conference*, Washington, D.C. 19-21 November.

Allen, DWE (2015) 'Governing Innovation: Asset Specificity, Opportunism, and the Fundamental Transformation', presented at the *28th PhD Conference in Business and Economics*, University of Queensland, 11-13 November.

Allen, DWE and Potts J (2015) 'The Innovation Commons – Why it Exists, What it Does, Who it Benefits and How', Presented at the *International Association for the Study of the Commons Biannual Global Conference*, Edmonton, Canada, 25-29 May.

EXPERT WITNESS BEFORE PARLIAMENT

2017 **Allen, DWE** and Breheny, S, Senate Committee on Red Tape, Environmental Assessments and Approvals, 22 August 2017, Perth.

2017 **Allen, DWE** and Berg, C, Senate Committee on Red Tape, The Effect of Red Tape on the Sale, Supply and Taxation of Alcohol, 24 February 2017, Sydney.

2016 **Allen, DWE** and Bushnell, A, Senate Standing Committee on Economics, Inquiry into Criminal, Civil and Administrative Penalties into White Collar Crime, 6 December 2016, Melbourne.

2016 **Allen, DWE**, Berg, C and Lane AM, Victorian Standing Committee on Economy and Infrastructure, Inquiry into Ride Sourcing Services, 8 September 2016, Melbourne.

RESEARCH AND POLICY REPORTS

Allen, DWE and Berg, C (2018) 'Blockchain for Development', *RMIT Blockchain Innovation Hub and APEC Study Centre Research Report*. Presented in Port Moresby, Papua New Guinea.

Allen, DWE and Wild, D 2018 'Five Principles of Red Tape Reduction', *IPA Occasional Paper*.

Allen, DWE, Begg, M and Wild, D (2017) 'Decentralising the Protection of Australian Threatened Species', *IPA Occasional Paper*.

Allen, DWE, Berg, C and Fraser, J (2017) 'Liquor Licensing Red Tape on Australian Businesses' *IPA Occasional Paper*.

Allen, DWE (2016) 'The Case for Cutting Red Tape on Drones', *IPA Occasional Paper*.

Allen, DWE, Wild, D and Hogan, B (2016) 'On Regulation, Productivity and Growth: Reforms to Make Australia More Prosperous', *IPA Occasional Paper*.

Allen, DWE and Novak, M (2016) 'Ten Red Tape Initiatives for the Next Australian Government', *IPA Occasional Paper*.

Allen, DWE, Stanley, V and Lane, AM (2014) 'Freedom to Teach: A Research Report on the Work and Conditions of Teachers in Australia' *IPA Occasional Paper*.

Allen, DWE and Berg, C (2014) 'The Sharing Economy: How Over-Regulation Could Destroy an Economic Revolution', *IPA Occasional Paper 2014* (with C Berg).

SUBMISSIONS TO PUBLIC INQUIRIES

Allen, DWE, Berg, A, Berg, C, Davidson, S, Lane, AM, Novak, M and Potts, J (2018) 'Submission to Senate Standing Committee Inquiry into My Health Record System', *RMIT Blockchain Innovation Hub Submission*.

Allen, DWE, Berg, A, Berg, C, Davidson, S, Lane, AM, Novak, M and Potts, J (2018) 'Submission into the House of Representatives Standing Committee on Economics Inquiry into Impediments to Business Investment', *RMIT Blockchain Innovation Hub Submission*.

Allen, DWE, Berg, A, Berg, C, Davidson, S, Lane, AM, Novak, M and Potts, J (2018) Submission to Review of National Arrangements for the Protection and Management of Identity Information, *RMIT Blockchain Innovation Hub Submission*.

Allen, DWE and Wild, D (2017) 'Submission to the Senate Inquiry into Environmental Assessments and Approvals', *IPA Submission*.

Allen, DWE, Berg, C, Novak, M and Wild, D (2016) 'A Response to the Productivity Commission Draft Report of the Regulation of Agriculture' *IPA Submission*.

Allen, DWE and Berg, C (2016) 'Submission to the Senate Inquiry into White Collar Crime Penalties', *IPA Submission*.

Allen, DWE, Berg, C and Breheny, S (2016) 'Submission Relating to the Vegetation Management (Reinstatement) and Other Legislation Amendment Bill 2016', *IPA Submission*.

Allen, DWE and Potts, J '[Innovation Strangled by Red Tape](#)', Submission to the Productivity Commission Inquiry into Business Set-up, Transfer and Closure, *IPA Submission*.

KEYNOTES, LECTURES AND PANELS

- *Blockchains and the future of trade*, keynote presentation to The Future of Trade Conference, Queensland University of Technology Garden Point Campus, Brisbane, Queensland, 10 April 2019.
- *Blockchains and the future of trade*, presentation to AUSPack Industry Conference, Melbourne Convention and Exhibition Centre, Melbourne, 27 March 2019.
- *Blockchains and institutional cryptoeconomics*, presentation to the Management Development Institute, RMIT University, Melbourne, 13 February 2019.
- *Blockchain supply chains and the future of trade*, presentation to the Management Development Institute, RMIT University, Melbourne, 13 February 2019.
- *Blockchain in a development context*, presentation to the Development Research Centre of The State Council (Delegation from China), RMIT University, Melbourne, 23 October 2018.
- *Institutional cryptoeconomics and supply chains*, to Blockchain Pasifik Conference, Port Moresby, Papua New Guinea, 11 October 2018.
- *Blockchain for development*, Brief to the Parliament of Papua New Guinea, Port Moresby, Papua New Guinea, 10 October 2018.
- *Cryptodemocracy*, Proof of Work Seminar, RMIT School of Economics Finance and Marketing (with Aaron Lane), Melbourne, 4 October 2018.
- *Introduction to blockchain*, Board of the Victorian Department of Treasury and Finance (with Sinclair Davidson), Melbourne, 26 September 2018.
- *The proto-entrepreneur and the innovation commons*, RMIT Enterprise & Innovation Seminar, Melbourne, 21 September 2018.
- *How blockchain impacts supply chain governance*, Zhejiang Institute of Administration, RMIT Executive Education, Melbourne, 12 July 2018.
- *Blockchain TradeTech*, APEC Study Centres Consortium Conference, Port Moresby, Papua New Guinea, 14 May 2018.
- FinTech Australia and Australian Taxpayers' Alliance Panel on the Regulation of Cryptocurrencies, 1 May 2018, Melbourne.
- *Blockchains, economics and the cryptoeconomy*, Guest Lecture to RMIT class, 2018.
- Panel Member at Hall & Wilcox Law event on blockchain, Melbourne, 2018.
- *Towards a classically liberal innovation policy*, Australian Libertarian Society, Sydney, 2017.
- *Innovation, entrepreneurship and regulation*, ANZSFL Annual Conference, Melbourne, 2015.
- *Regulation and new technologies*, ALS Annual Conference, Sydney, 2015.
- *Cultures of sharing and Thingiverse*, Inside 3D Printing Conference, Melbourne Convention Centre, 2014.
- *3D printing, disruption and the law*, Swinburne Institute for Social Research Interdisciplinary Seminar, 2014.

POPULAR WRITING

Allen, DWE, Berg, C and Potts, J (2019) Blockchain and the Manufacturing Industry, *Australian Manufacturing Technology Magazine*, June.

Allen, DWE and Berg, C (2019) Why Blockchain Technology Could Be the Key to Solving the Developing World's Biggest Problems, *Foundation for Economic Education*, 7 May.

Allen, DWE, Berg, A and Markey-Towler, B (2019) Predictions for trade in a blockchain world, Machine Lawyering, *Chinese University of Hong Kong*, 28 January.

Allen, DWE and Berg, C (2018) Blockchain to smart up global trade, *Vietnam Investment Review*, 10 September.

Allen, DWE, Berg, A, Berg, C, Potts, J (2018) Some economic consequences of the GDPR, *Cryptoeconomics Australia*, 8 May.

Allen, DWE, Berg, C, Davidson, S, Novak, M and Potts, J (2018) TradeTech and the problem of international policy coordination, *Cryptoeconomics Australia*, 12 March.

Allen, DWE (2018) Clause for Concern, *IPA Review* 70(2).

Allen, DWE (2017) Over-regulation could keep drones grounded, *The Weekly Times*, 26 July.

Allen, DWE (2017) The future of reform, *IPA Review* 69(4).

Allen, DWE and Bushnell, A (2017) Collared, *IPA Review* 69(2).

Allen, DWE (2017) Budget leaves a philosophical deficit, *IPA Review* 69(2).

Allen, DWE (2017) Too much regulation clips wings of innovation, *The Australian*, 19 May.

Allen, DWE (2017) Seeding prosperity, *IPA Review* 69(1).

Allen, DWE (2017) Trumping architecture, *IPA Review* 69(1).

Allen, DWE (2017) IPA Review: A voice for 70 years, *IPA Review* 69(1).

Allen, DWE (2017) Taxi license compensation sends the wrong message, *Herald Sun*, 14 February.

Allen, DWE (2016) Private order, *IPA Review* 68(4).

Allen, DWE (2016) Red tape hampers resources recovery, *The West Australian*, 7 October 2016.

Allen, DWE (2016) Civilized economics, *IPA Review* 68(4).

Allen, DWE and Wild, D (2016) Toxic greens, *IPA Review* 68(3).

Allen, DWE (2016) Cut green and red tape to drive more growth in farming sector, *Mercury*, 31 July.

Allen, DWE (2016) Drive productivity through innovation, *Farm Weekly*, 28 July.

Allen, DWE (2016) Bat problem impossible to fix until we get rid of red tape, *The Queensland Times*, 29 June.

Allen, DWE (2016) Let's get rid of this suffocating bureaucracy, *The Weekly Times*, 8 June.

Allen, DWE (2016) Why the proposed tree laws are the very worst kind of red tape, *Queensland Country Life*, 7 April.

Allen, DWE (2015) Lessons from private cities, *IPA Review* 67(4).

Allen, DWE (2015) The case for personal income taxation cuts, *IPA Review* 67(4).

Allen, DWE (2015) New money, *IPA Review* 67(3).

Allen, DWE and Hannaford, P (2015) Freedom works, *IPA Review* 67(1).

Allen, DWE (2015) New laws will impact Sydney apartment sizes, *Sydney Morning Herald*, 4 May.

Allen, DWE (2014) What is a taxi? Regulation and the sharing economy, *OECD Insights*, 22 December.

REFEREE WORK

- Cambridge University Press
- Journal of Entrepreneurship and Public Policy
- Sustainability (x4)
- Logistics
- Journal of Law, Information and Science
- Mercatus Centre at George Mason University
- The Journal of the British Blockchain Association (JBBA)
- Plang Publishers

COMMITTEES

- Technical Committee, Blockchain and Internet of Things Conference, Okinawa, Japan, July 2019

TEACHING AND COURSE DEVELOPMENT

2019	Development of undergraduate course, <i>The Blockchain Economy</i> , RMIT University.
2018	Mentor, <i>Developing Blockchain Strategy</i> , RMIT Online.
2015	Tutor, <i>Development Economics</i> , RMIT University.
2014	Tutor, <i>Prices and Markets</i> , RMIT University.

REFERENCES

Academic and professional references available on request.