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CURRICULUM VITAE

Academic Positions held

- 2008 – :: Senior Lecturer (from 2011), Lecturer (2008-2010), Department of Economics, Monash University (Clayton).
- 2006–2007 :: Lecturer, School of Economics, UNSW.

Selected Publications

Peer-reviewed

- :: ANGUS, S.D. (WITH PIOTROWSKA, M.), 'The onset of necrosis in a 3D cellular automaton model of EMT6 multi-cellular spheroids', *Applicationes Mathematicae*, 37(1):69-88 (2010). (ERA: C)
- :: ANGUS, S.D., (WITH PARRIS, B. & HASSANI-M, B.), 'Climate change impacts and adaptation in Bangladesh: an agent-based approach', Proceedings of the 18th IMACS World Congress, MODSIM09, p.207, 13-17 July, 2009.
- :: ANGUS, S.D. (WITH PIOTROWSKA, M.), 'A quantitative cellular automata model of *in vitro* multicellular spheroid tumour growth', *Journal of Theoretical Biology*, 258:165-178 (2009). [ERA: A*, ISI Citations: 4 (Apr, 2011)]
- :: ANGUS, S.D (WITH WATSON, J.), 'Does regular online testing enhance student learning? Evidence from a large first-year quantitative course', *British Journal of Educational Technology* (BJET) 40(2):255-272 (2009). (ERA: A)
- :: ANGUS, S.D. (WITH PIOTROWSKA, M. J.), 'Towards a 3D Cellular Automaton Model of Multi-Cellular Spheroids', paper accepted to the XIV National Conference Application of Mathematics to Biology and Medicine, Leszno, Poland 17-21 Sept. 2008.
- :: ANGUS, S.D. (WITH LORD, H.T., QUINN, J.F., WHITTAKER, M.R. & DAVIS, T.P.); Microgel Stars via Reversible Addition Fragmentation Chain Transfer Polymerization – A Facile Route to Macroporous Membranes, Honeycomb Patterned Thin Films and Inverse Opal Substrates, *Journal of Materials Chemistry*, **13** (2003), 2819–2824. [ERA: A, ISI Citations: 70 (Apr 2011)]
- :: ANGUS, S.D. (WITH DAVIS, T.P.); 'Polymer Surface Design and Infomatics: Facile Microscopy/Image Analysis Techniques for Self-Organizing Microporous Polymer Film Characterization', *Langmuir*, **18** (2002), 9547–9553. [ERA: A*, ISI Citations: 12 (Apr 2011)]

Selected Publications (continued)

Mimeos/Book Chapters

- :: ANGUS, S.D. (WITH BERRYMAN, M.) ‘Agent-based Modelling & Network Analysis Tutorials’, forthcoming in ‘World Scientific Lecture Notes in Complex Systems’.
- :: ANGUS, S.D.; ‘Economic Networks: Communication, Cooperation and Complexity’, PhD Dissertation, UNSW, (submitted Oct 2006, accepted Mar 2007), available through the Australian Digital Thesis project: <http://www.library.unsw.edu.au/~thesis/adt-NUN/public/adt-NUN20070329.093909/>.

Under review

- :: ANGUS, S.D. (WITH WATERHOUSE, B.J.), ‘Pacing Strategy from High Frequency Field Data: more evidence for neural regulation?’.
- :: ANGUS, S.D. (WITH SMYTH, R), ‘Did Dixon write more than his own judgements? Searching for judicial fingerprints on the High Court of Australia’.

Working Papers

- :: ANGUS, S.D. (WITH CHENG, W.), ‘What does a money injection do to an Economy? A dynamic model of the Cantillon Effect’.
- :: ANGUS, S.D. (WITH MASSON, V.); ‘Information or Interaction: the importance of behavioral rules on network effects for contagion processes’.
- :: ANGUS, S.D. (WITH BROWN, A.), ‘The social welfare costs of fraud: Insights from an agent-based model’.

Grants Awarded

- 2009 – :: Faculty Pilot Research Grant (with Brett Parris) – “Integrated Climate-Economy modelling in Bangladesh” | \$11,000 approx: *Faculty of Business and Economics, Monash University grant for pilot research.*
- 2009 – :: University of Monash Europe Travel Grant – “Computational Oncology Research Trip to Warsaw, Poland” | \$6,000: *University of Monash grant to support a month long research trip to work with Dr Monika Piotrowska on computational models of early stage tumour growth.*
- 2008 – :: Faculty New Staff Grant – “A broad research programme in dynamic, ad-hoc economic networks” | \$10,000: *Faculty of Business and Economics, Monash University grant for new staff.*
- 2008 – :: Faculty Innovation in Teaching Grant – “EconomicsNow! Podcasting Project” | \$20,000: *Faculty of Business and Economics, Monash University grant to set up a novel podcasting website with video and audio content generated during the academic session.*

Education

Tertiary

- 2002–2006 :: Ph.D. ('Economic Networks: Communication, Cooperation & Complexity', submitted Oct 2006, accepted (without revisions), Mar 2007), UNSW;
:: Th.C. (continuing, part-time), by correspondence, Moore Theological College, Sydney, Australia.
- 1998–2002 :: B.Sc (Industrial Chemistry), Hons I, UNSW [see Publications]
:: B.A. (Political Science & International Relations), UNSW.

Secondary

- 1994–1997 :: Victorian Certificate of Education (VCE), Melbourne Grammar School (Melbourne, Australia). School Captain (1997), Middle-school Captain (1993), Junior-school Captain (1991). Tertiary Entrance Rank (TER): 99.20.

Scholarships, Prizes & Awards

- 2010 :: Monash Vice-Chancellor's Citation for Outstanding Contributions to Student Learning.
- 2009 :: Monash Faculty of Business & Economics Excellence in Teaching Award.
- 2008 :: Australian School of Business (Faculty of BusEco at UNSW) Teaching Innovation Award (jointly, with Judith Watson).
- 2007 :: SFI Scholar, Santa Fe Institute (NM, USA) Complex Systems Summer School | *Accepted to attend this intensive four-week workshop on complexity science, nonlinear dynamics, socio-economic modelling, and inter-disciplinary science.*
- 2006 :: The Dean's Award | 'for substantial and significant voluntary contribution to the development of the Faculty of Commerce and Economics.'
- 2004 :: Santa Fe Institute (NM, USA) Graduate Workshop on Computational Social Sciences and Complexity | *Selected as one of ten PhD students to participate in this two-week workshop at the SFI, developing computational and complexity science techniques, and workshopping emerging personal research projects.*
- 2002–2006 :: Australian Post-graduate PhD Award | *Fees & living stipend, tenable at any Australian Tertiary Institution for post-graduate studies of 2 or 3 years.*
- 2002 :: Runner up, The Trelor Prize at The 25th Australasian Polymers Symposium, Armidale, NSW | *A prize for best symposium presentation by a researcher, 20-30 years of age.*
- 2001 :: The Australian CRC for Polymers 4th Year Honours Research Prize | *Awarded for best Honours Project amongst the Cooperative Research Centre for Polymers member groups.*
- :: The ERA Polymers Prize in Industrial Chemistry Honours Project | *For the best performance in the Honours Project in Industrial Chemistry.*

Scholarships, Prizes & Awards (continued)

:: The Samos Polymers Prize in Advanced Polymers | *For the best performance in the year 4 elective CEIC6104 Advanced Polymers.*

2000–2001 :: The Qenos Frank Viccario Memorial Prize for Industrial Training | *Awarded to one student from UNSW Industrial Chemistry to undertake Summer Vacation Industrial Training with Qenos Pty Ltd, Botany, NSW.*

1998–2001 :: The Southern Cross Foundation Australia-Wide Scholarship | *One of four scholarships awarded for “proven academic ability and leadership potential in Australian Science and Engineering, tenable for four years at any tertiary institution in Australia, for the study of Engineering and Technical-based Sciences.”*