

CURRICULUM VITAE

Alicia N. Rambaldi

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1 Education

B.Sci.(UNCordoba), M.Sc., PhD (LSU)

2 Current Position

▷ Associate Professor. School of Economics. The University of Queensland.

3 Research Areas

▷ State space models accounting for cross-sectional dependence. Estimation of time-varying parameter models with application to property and land valuation, housing prices and construction of hedonic imputed price indexes, production models, and the construction of internationally comparable GDP and its components.

4 Current/Recent Research Grants and Consultancies

Predicting the Value and Use of Urban Land (2017-2019)

Chief Investigator: A.N Rambaldi

Partner Investigator: M. Tan (Victoria Department of Treasury and Finance)

Funding: *Australian Research Council (ARC) Linkage Project*

How reliable are Purchasing Power Parities from the World Bank? (2017-2019)

Chief Investigators: DS Prasada Rao, A.N Rambaldi, Gholamreza Hajargasht (Swinburne University)

Funding: *Australian Research Council (ARC) Discovery Project*

18115BNE LGAQ Econometric Analysis of the Determinants of SEQ Housing Prices (2015) Project management, data acquisition and report authoring: Simon Smith, Director and Senior Consultant, AEC.

Lead researcher and report authoring: Alicia N. Rambaldi,

Research Assistant. Literature review search, computation of supply side models: K. Renuka Ganegodage

Research Fellow, AEC. Data and modelling advice, peer review: Dr. Peter Crossman,

Econometric Modelling of Housing Prices and their Relationship to Climate Adaptation Issues (2012-2014)

Chief Investigator: A.N. Rambaldi

Partner Investigators: Ryan McAllister (CSIRO) and Cameron Fletcher (CSIRO)

Funding: *Australian Research Council (ARC) Discovery Project*

Local Government Association of Queensland Research Report. An Econometric Analysis of the Determinants of SEQ Housing Prices (2010) Project management, data acquisition and report authoring: Simon Smith, Director and Senior Consultant, AEC.
Lead researcher and report authoring: Alicia N. Rambaldi

Construction of Consistent Panels of Real Gross Domestic Product and its Components at Current and Constant Prices (2009-2013)

Investigators: DS Prasada Rao, A.N Rambaldi and HE Doran
Funding: *Australian Research Council (ARC) Discovery Project*

5 Selected Publications

5.1 Books

Fletcher, C. S., Taylor, B. M., Rambaldi, A. N., Harman, B. P., Heyenga, S., Ganegodage, K. R., Lipkin, F. and McAllister, R. R. J. (2013) **Costs and coasts: an empirical assessment of physical and institutional climate adaptation pathways**. Southport, QLD, Australia: National Climate Change Adaptation Research Facility, 53 pp.

5.2 Book Chapters

Fletcher, Cameron S., Taylor, Bruce M., Rambaldi, Alicia N., Harman, Ben P., Heyenga, Sonja, Ganegodage, K. Renuka, Lipkin, Felix and Mcallister, Ryan R. J (2015). Equity, economic efficiency and institutional capacity in adapting coastal settlements. In Jean P. Palutikof, Sarah L. Boulter, Jon Barnett and David Rissik (Ed.), *Applied Studies in Climate Adaptation* (pp. 208-215) Chichester, West Sussex, United Kingdom: John Wiley and Sons. doi:10.1002/9781118845028.ch23

Rambaldi, A.N, D.S.P Rao and K. R. Ganegodage (2010), "Modelling Spatially Correlated Error Structures in the Time-Space Extrapolation of Purchasing Power Parities", in Luigi Biggeri and Guido Ferrari (eds.), **Price Index Numbers in Time and Space**. Series: Contributions to Statistics. Part II, 63-96. Springer-Verlag, Heidelberg, Germany

Iyer, K., A.N. Rambaldi, and K.K. Tang (2006), "Globalisation And The Technology Gap: Regional And Time Evidence", in C. Tisdell et al. (eds) **Leading Economic and Managerial Issues Involving Globalisation**. Chapter 15. Nova Science.

Rambaldi, A.N., R.C..Hill, H.E. Doran (2004), "Predicting Incomplete Observations in Unbalanced Panels. A Kalman Filtering-Smoothing Approach", in Stan Hurn and Ralf Becker (eds.) **Contemporary Issues in Economics and Econometrics: Theory and Applications**. Chapter 11. Edward Elgar.

5.3 Refereed Journal Articles and Abstracts

Plant, L., A. N. Rambaldi, N. Sipe (2017), "Evaluating Revealed Preferences for Street Tree Cover Targets: A Business Case for Collaborative Investment in Leafier Streetscapes in Brisbane, Australia." *Ecological Economics*, 134, 238–249. <http://dx.doi.org/10.1016/j.ecolecon.2016.12.026>.

Peyrache, A. and A.N. Rambaldi (2017), "Incorporating Temporal and Country Heterogeneity in Growth Accounting - An Application to EU-KLEMS" *Journal of Productivity Analysis*, 47, 2, 143–166. <https://doi.org/10.1007/s11123-017-0498-2>

Heard, C., F. M. Menezes, A. N. Rambaldi (2017), "The dynamics of bank location decisions in Australia," *Australian Journal of Management*, <https://doi.org/10.1177/0312896217717572>. First published September 6, 2017.

Fletcher, C.S., Rambaldi, A.N., Lipkin, F. and McAllister R.R.J. (2016), " Economic, equitable, and affordable adaptations to protect coastal settlements against storm surge inundation" *Reg Environ Change*, 16, 4, 1023-1034. doi:10.1007/s10113-015-0814-1

Ganegodage, K. Renuka, Rambaldi, Alicia N., Rao, D. S. Prasada and Tang, Kam K. (2015), A New Multidimensional Measure of Development: The Role of Technology and Institutions. *Social Indicators Research*. DOI:10.1007/s11205-015-1139-7

Rambaldi, A. N. and C.S. Fletcher (2014), "Hedonic Imputed Property Price Indexes: The Effects of Econometric Modeling Choices" *The Review of Income and Wealth*, Series 60, Supplement Issue. S423-S448. DOI: 10.1111/roiw.12143

Ganegodage, K. R. and Rambaldi, A. N. (2014), "Economic consequences of war: evidence from Sri Lanka" *Journal of Asian Economics*, 30: 42–53. DOI:10.1016/j.asieco.2013.12.001.

Rambaldi, A.N, C.S. Fletcher, K. Collins, R. R. J. McAllister (2013), "Housing Shadow Prices in an Inundation Prone Suburb" *Urban Studies*, 50 (9), 1889-1905. DOI: 10.1177/0042098012465904

Ganegodage, K. Renuka and Alicia N. Rambaldi (2011). The Impact of Education Investment on Sri Lankan Economic Growth. *Economics of Education Review*, 30, 1491– 1502, DOI:10.1016/j.econedurev.2011.08.001.

Rao, D. S. P., Rambaldi, A.N. and Doran, H.E. (2010), "Extrapolation of purchasing power parities using multiple benchmarks and auxiliary information: A new approach." *Review of Income and Wealth*, 56 Suppl 1: S59-S98.

Iyer, K.G., A.N. Rambaldi, K.K. Tang (2009), "How Trade and Foreign Investment Affect the Growth of a Small but not so Open Economy: Australia?" *Applied Economics*, Vol. 41, 12, 1525:1532, DOI:10.1080/00036840601032177.

Iyer, K.G., A.N. Rambaldi, K.K. Tang (2008), "Efficiency Externalities of Trade and Alternative Forms of Foreign Investment in OECD Countries" *Journal of Applied Econometrics*, Volume 23, 6, Pages 749-766, DOI: 10.1002/jae.1024.

O'Donnell, C. J., A.N. Rambaldi and H.E. Doran (2001) "Estimating Economic Relationships Subject to Firm- and Time-Varying Equality and Inequality Constraints", *Journal of Applied Econometrics*, Vol 16, 6, 709-726.

Rambaldi, A. and P Simmons (2000) "Response to Price and Production Risk: The Case of Australian Wheat" *Journal of Futures Markets*, 20, 345-360.

Graham-Higgs, J., A.N. Rambaldi and B. Davidson (1999) "Is the Australian Wool Futures Market Efficient as a Predictor of Spot Prices?", *Journal of Futures Markets*, 19, 565-582.

Doran, H.E., and A.N. Rambaldi (1997) "Applying Linear Time-Varying Constraints to Econometric Models: With an Application to Demand Systems.", *Journal of Econometrics*, 79, 83-95.

Battese, G.E., A.N. Rambaldi, and G. Wan (1997) "A Stochastic Frontier Production Function with Flexible Risk Properties" *Journal of Productivity Analysis*, 8, 3, 269-280.

Simmons, P. and A.N. Rambaldi (1997) "Potential Demand for Hedging by Australian Wheat Producers," *Australian Journal of Agricultural and Resource Economics*, 41,2,157-168.

Zapata, H.O., and A.N. Rambaldi (1997), "Monte Carlo Evidence on Cointegration and Causation," *Oxford Bulletin of Economics and Statistics*, 59, 2, 285-298.

Farber, S. and A. Rambaldi (1993) "Willingness to Pay for Air Quality - The Case of Outdoor Exercise," *Contemporary Policy Issues* (currently *Contemporary Economic Policy*) Vol. 1 No. 4: 19-30.

5.4 Refereed Conference Papers and Proceedings

Hill, R.J., A. N. Rambaldi and M. Scholz, "Weekly Hedonic House Price Indices: An Imputation Approach from a Spatio-Temporal Model" 4th Conference of the International Association for Applied Econometrics (IAAE 2017). Sapporo, June 26-29, 2017. https://editorialexpress.com/cgi-bin/conference/download.cgi?db_name=IAAE2017&paper_id=136

Rambaldi, A.N., K.R. Ganegodage and R.R.J. McAllister, "Myopia and Amnesia in Property Prices. Evidence from Two Floods" Invited Session - Society for Economic Measurement Conference at Samberg Center, MIT, Cambridge MA – 26-28 July 2017. <https://editorialexpress.com/conference/SEM2017/program/SEM2017.html#20>

Rambaldi, A.N. "The Value of Urban Land: Tax Revenue and Beyond" Real Estate Symposium 2016 September 6, 2016, Sydney Australia https://www.business.unsw.edu.au/research-site/centreforappliedeconomicresearch-site/newsandevents-site/workshops-site/Documents/RE_Symposium_2016_Program.pdf

Scholz, M., R. J. Hill, and A. N. Rambaldi, "Weekly Hedonic House Price Indexes: An Imputation Approach with Geospatial Splines and Kalman Filters" IARIW 34th General Conference, Dresden, Germany, August 21-27, 2016 <http://www.iariw.org/dresden/scholz.pdf>

Rambaldi, Alicia. N., McAllister, Ryan R. J. and Fletcher, Cameron (2015). Using Smoothing Methods in the Computation of Hedonic Imputed Price Indexes for Properties and their Land and Structure Components. In: Society for Economic Measurement Annual Conference, Paris, France. 22-24 July http://repository.cmu.edu/cgi/viewcontent.cgi?article=1002&context=sem_conf

Tranh, T. H. Y., Rambaldi, A. N. and Peyrache, A. (2015). Estimating Economic Relationships under Measurement Error: An Application to the Productivity of US Manufacturing. In: The 2nd Conference of the International Association for Applied Econometrics (IAAE 2015), Thessaloniki, Greece. 25-27 June 2015. https://editorialexpress.com/cgi-bin/conference/download.cgi?db_name=IAAE2015&paper_id=271

Huynh, L. T. , A. N. Rambaldi and D. S. P. Rao, "Econometric Estimation and Aggregation of PPP Panels for Components of GDP" Paper Prepared for 33rd IARIW General Conference, Rotterdam, Netherlands, August 24-30, 2014. <http://www.cbs-events.nl/iariw/home/>

Trinh, T.T.D. and A.N. Rambaldi, "Bayesian Estimation of a Spatial Time Series Model with an Application to Real Estate Modelling", presented at the Asian Meetings of the Econometric Society. Singapore, 2-4 August, 2013.

D.S. Prasada Rao and Alicia N. Rambaldi, "A State-space and Constrained GEKS Approach to the Construction of Panels of Real Incomes at Current and Constant Prices," Princeton Conference on ICP/PPP, May 23-24, 2013. <http://irs.princeton.edu/sites/irs/files/event/uploads/Princeton%20conference%20agenda-May%202013%20%285%29.pdf>

Rao, D.S.P, A.N. Rambaldi and H.E. Doran "An econometric approach to the construction of complete panels of purchasing power parities: analytical properties and empirical results," In: the Econometric Society World Congress, 17-21 August, 2010. Shanghai. <http://www.webmeets.com/ESWC/2010/prog/default.asp?Pid=2931>

5.5 Discussion Papers /Reports

Smith, S., A. N. Rambaldi, K.R. Ganegodage and P. Crossman (2015), "An econometric analysis of SEQ dwelling prices". Report prepared for the Local Government Association of Queensland. Simon Smith, Director and Senior Consultant, AEC. Project management, data acquisition and report authoring. Dr. Alicia Rambaldi, Associate Professor, School of Economics, The University of Queensland. Lead researcher and report authoring. Dr K. Renuka Ganegodage, Research Fellow, School of Economics, The University of Queensland, Project Role: Research Assistant. Literature review search, computation of supply side models. Dr. Peter Crossman, Research Fellow, AEC. Data and modelling advice, peer review. Media Reporting: <https://www.brisbanetimes.com.au/national/queensland/housing-supply-not-the-driver-for-queensland-home-prices-study-20160106-gm0o49.html>

Rao, D.S.P., A.N. Rambaldi, B. Balk, 2015. "On Measuring Regional or Global Growth and Inflation" Discussion Papers Series 552, School of Economics, The University of Queensland, Australia.

Rambaldi, A. N, R. R. J. McAllister, C. S. Fletcher (2015). "Decoupling land values in residential property prices: smoothing methods for hedonic imputed price indices" Discussion Papers Series 549, School of Economics, The University of Queensland, Australia.

Rambaldi, A.N., K. R. Ganegodage, C. S. Fletcher, F. Lipkin (2014), "Inundation and Views in Coastal Residential Property Values. Does the Sale Price Reflect the Trade Off?" School of Economics Discussion Paper No. 536 November 2014, School of Economics, The University of Queensland. Australia.

Rao, D.S.P, A. N. Rambaldi, K.R. Ganegodage, L. T. Huynh, H. E. Doran, " UQICD v2 User Guide " School of Economics Discussion Paper No. 534 October 2014, School of Economics, The University of Queensland. Australia. UQICD A database for PPPs and Real Incomes " UPDATED VERSION; "User Manual and Technical Guide v2.1.1" - 30 November, 2015"

Hogg, S. S. Hurn, S. McDonald and A.N. Rambaldi, "Spatial Econometric Analysis of the Effect of Vertical Restraints and Branding on Retail Gasoline Pricing" *NCER Working Papers Series*. Working Paper # 86. August 2012.

Rambaldi, A.N., Ryan R. J. McAllister, Kerry Collins & Cameron S. Fletcher, "An Unobserved Components Approach to Separating Land from Structure in Property Prices: A Case Study for the City of Brisbane," *School of Economics Discussion Paper* No. 428 June 2011, School of Economics, The University of Queensland. Australia.

Smith, S. and A.N. Rambaldi (2010), " An Econometric Analysis of the Determinants of SEQ Housing Prices," Final Report. Local Government Association of Queensland, http://www.lgaq.asn.au/c/document_library/get_file?uuid=3e6718c4d9f44c0387b8ef4ba7ce5bb2&groupId=10136

Rambaldi, A.N., Rao, D.S.P., and H. E. Doran (2005), "Constructing Internationally Comparable Real Income Aggregates by Combining Sparse Benchmark Data with Annual National Accounts Data. A State-Space Approach" Euroindicators: *Working Papers and Studies. General and Regional Statistics. Cat. No. KS-DT-05-005-EN-N*. Luxembourg: Office for Official Publications of the European Communities. ISSN 1725-4825, ISBN 92-894-8629-5.

Rambaldi, A.N. and H.E. Doran (1996), "Testing for Granger Non-Causality in Cointegrated Systems Made Easy", Working Papers in Econometrics and Applied Statistics- Department of Econometrics. The University of New England, No. 88, 22 pages. ISSN 0 157-0188 ISBN 1 86389 352 0.

6 Recent Appointments and Visiting Positions

- ▷ 2017 - Member of the Methodology Advisory Committee of the Australian Bureau of Statistics
- ▷ 2015 - Editorial Board - *Review of Income and Wealth*
- ▷ 2017(9 Sept - 10 Oct) Visiting Fellow - Department of Economics. University of Graz. Austria.