

# PAUL BURKE

Professor  
Arndt-Corden Department of Economics, Crawford School of Public Policy  
Australian National University  
[paul.j.burke@anu.edu.au](mailto:paul.j.burke@anu.edu.au)  
[@burke\\_ec](http://crawford.anu.edu.au/people/academic/paul-burke)

## EDUCATION

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**PhD in Economics**, Australian National University (ANU), 2010

**Bachelor of Agricultural Economics** (Honours I, University Medal), University of Sydney, 2003

## RESEARCH FIELDS

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Energy economics; environmental economics; transport economics; development economics; Asia-Pacific economies

## PUBLICATIONS

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### Journal articles

1. Do, Thang Nam and Burke, Paul J. In press. Is ASEAN ready to move to multilateral cross-border electricity trade? *Asia Pacific Viewpoint*.
2. Do, Thang Nam and Burke, Paul J. 2023. Phasing out coal power in a developing country context: Insights from Vietnam. *Energy Policy* 176, 113512.
3. Liao, Hua, Zhang, Chen, Burke, Paul J., Li, Ru and Wei, Yi-Ming. 2023. Extreme temperatures, mortality, and adaptation: Evidence from the county level in China. *Health Economics* 32(4), 953–969.
4. Burke, Paul J. 2023. On the way out: Government revenues from fossil fuels in Australia. *Australian Journal of Agricultural and Resource Economics* 67(1), 1–17.
5. Zhu, Lin, Liao, Hua and Burke, Paul J. 2023. Household fuel transitions have substantially contributed to child mortality reductions in China. *World Development* 164, 106174.
6. Best, Rohan and Burke, Paul J. 2023. Small-scale solar panel adoption by the non-residential sector: The effects of national and targeted policies in Australia. *Economic Modelling* 120, 106164.
7. Hammerle, Mara and Burke, Paul J. 2022. Solar PV and energy poverty in Australia's residential sector. *Australian Journal of Agricultural and Resource Economics* 66(4), 822–841.
8. Teng, Meixuan, Liao, Hua, Burke, Paul J., Chen, Tianqi and Zhang, Chen. 2022. Adaptive responses: The effects of temperature levels on residential electricity use in China. *Climatic Change* 172, 32.
9. Do, Thang Nam, Burke, Paul J., Hughes, Llewelyn, Thi, Ta Dinh. 2022. Policy options for offshore wind power in Vietnam. *Marine Policy* 141, 105080.

10. Best, Rohan and Burke, Paul J. 2022. Effects of renting on household energy expenditure: Evidence from Australia. *Energy Policy* 166, 113022.
11. Hammerle, Mara and Burke, Paul J. 2022. From natural gas to electric appliances: Energy use and emissions implications in Australian homes. *Energy Economics* 110, 106050.
12. Burke, Paul J., Beck, Fiona J., Aisbett, Emma, Baldwin, Kenneth G.H., Stocks, Matthew, Pye, John, Venkataraman, Mahesh, Hunt, Janet, and Bai, Xuemei. 2022. Contributing to regional decarbonization: Australia's potential to supply zero-carbon commodities to the Asia-Pacific. *Energy* 248, 123563.
13. Zhang, Tong and Burke, Paul J. 2022. The effect of gasoline prices on suburban housing values in China. *China Economic Review* 72, 101762.
14. Do, Thang Nam and Burke, Paul J. 2021. Carbon pricing in Vietnam: Options for adoption. *Energy and Climate Change* 2, 100058.
15. Do, Thang Nam, Burke, Paul J., Nguyen, Hoang Nam, Overland, Indra, Suryadi, Beni, Swandaru, Akbar, and Yurnaidi, Zulfikar. 2021. Vietnam's solar and wind power success: Policy implications for the other ASEAN countries. *Energy for Sustainable Development* 65, 1–11.
16. Zhang, Tong and Burke, Paul J. 2021. Fuel prices and road deaths: Motorcyclists are different. *Accident Analysis and Prevention* 162, 106396.
17. Best, Rohan, Burke, Paul J., and Nishitateno, Shuhei. 2021. Factors affecting renters' electricity use: More than split incentives. *The Energy Journal* 42(5), 1–18.
18. Best, Rohan, Burke, Paul J., Nepal, Rabindra, and Reynolds, Zac. 2021. Effects of rooftop solar on housing prices in Australia. *Australian Journal of Agricultural and Resource Economics* 65(3), 493–511.
19. Nishitateno, Shuhei and Burke, Paul J. 2021. Willingness to pay for clean air: Evidence from diesel vehicle registration restrictions in Japan. *Regional Science and Urban Economics* 88, 103657.
20. Burke, Paul J. and Do, Thang N. 2021. Greening Asia's economic development. *Asian Economic Policy Review* 16(1), 22–39.
21. Zhang, Tong and Burke, Paul J. 2020. The effect of fuel prices on traffic flows: Evidence from New South Wales. *Transportation Research Part A: Policy and Practice* 141, 502–522
22. Best, Rohan, Burke, Paul J., and Jotzo, Frank. 2020. Carbon pricing efficacy: Cross-country evidence. *Environmental and Resource Economics* 77(1), 69–94.
23. Best, Rohan and Burke, Paul J. 2020. Energy mix persistence and the effect of carbon pricing. *Australian Journal of Agricultural and Resource Economics* 64(3), 555–574.
24. Do, Thang Nam, Burke, Paul J., Baldwin, Kenneth G.H., and Nguyen, Chinh T. 2020. Underlying drivers and barriers for solar photovoltaics diffusion: The case of Vietnam. *Energy Policy* 144, 111561.
25. Nishitateno, Shuhei and Burke, Paul J. 2020. Have vehicle registration restrictions improved urban air quality in Japan? *Contemporary Economic Policy* 38(3), 448–459.

26. Best, Rohan and Burke, Paul J. 2019. Is there regional lock-in of unemployment rates in Australia? *Australian Journal of Labour Economics* 22(2), 93–116.
27. Best, Rohan, Burke, Paul J., and Nishitateno, Shuhei. 2019. Evaluating the effectiveness of Australia's Small-scale Renewable Energy Scheme for rooftop solar. *Energy Economics* 84, 104475.
28. Best, Rohan and Burke, Paul J. 2019. Factors contributing to energy-related financial stress in Australia. *Economic Record* 95(311), 462–479.
29. Burke, Paul J. and Siyaranamual, Martin D. 2019. No one left behind in Indonesia? *Bulletin of Indonesian Economic Studies* 55(3), 269–293.
30. Best, Rohan, Burke, Paul J., and Nishitateno, Shuhei. 2019. Understanding the determinants of rooftop solar installation: Evidence from household surveys in Australia. *Australian Journal of Agricultural and Resource Economics* 63(4), 922–939.
31. Burke, Paul J., Widnyana, Jinnie, Anjum, Zeba, Aisbett, Emma, Resosudarmo, Budy, and Baldwin, Kenneth G.H. 2019. Overcoming barriers to solar and wind energy adoption in two Asian giants: India and Indonesia. *Energy Policy* 132, 1216–1228.
32. Best, Rohan and Burke, Paul J. 2019. Fuel prices and road accident outcomes in New Zealand. *New Zealand Economic Papers* 53(2), 109–124.
33. Best, Rohan and Burke, Paul J. 2019. Macroeconomic impacts of the 2010 earthquake in Haiti. *Empirical Economics* 56(5), 1647–1681.
34. Teng, Meixuan, Burke, Paul J., and Liao, Hua. 2019. The demand for coal among China's rural households: Estimates of price and income elasticities. *Energy Economics* 80, 928–936.
35. Burke, Paul J., Best, Rohan, and Jotzo, Frank. 2019. Closures of coal-fired power stations in Australia: Local unemployment effects. *Australian Journal of Agricultural and Resource Economics* 62(1), 142–165.
36. Burke Paul J., Stern, David I., and Bruns, Stephan B. 2018. The impact of electricity on economic development: A macroeconomic perspective. *International Review of Environmental and Resource Economics* 12(1), 85–127.
37. Best, Rohan and Burke, Paul J. 2018. Electricity availability: A precondition for faster economic growth? *Energy Economics* 74, 321–329.
38. Burke, Paul J. and Teame, Ataklti. 2018. Fuel prices and road deaths in Australia. *Economic Papers* 37(2), 146–161.
39. Best, Rohan and Burke, Paul J. 2018. Adoption of solar and wind energy: The roles of carbon pricing and aggregate policy support. *Energy Policy* 118, 404–417.
40. Burke, Paul J. 2018. Metal footprint linked to economy. *Nature Geoscience* 11, 224–225.
41. Burke, Paul J. and Kurniawati, Sandra. 2018. Electricity subsidy reform in Indonesia: Demand-side effects on electricity use. *Energy Policy* 116, 410–421.

42. Burke, Paul J. and Abayasekara, Ashani. 2018. The price elasticity of electricity demand in the United States: A three-dimensional analysis. *The Energy Journal* 39(2), 123–145.
43. Stern, David I., Gerlagh, Reyer, and Burke, Paul J. 2017. Modeling the emissions-income relationship using long-run growth rates. *Environment and Development Economics* 22(6), 699–724.
44. Burke, Paul J., Batsuuri, Tsendsuren, and Yudhistira, Muhammad Halley. 2017. Easing the traffic: The effects of Indonesia's fuel subsidy reforms on toll-road travel. *Transportation Research Part A: Policy and Practice* 105, 167–180.
45. Best, Rohan and Burke, Paul J. 2017. The importance of government effectiveness for transitions toward greater electrification in developing countries. *Energies* 10(9), 1247.
46. Burke, Paul J. and Yang, Hewen. 2016. The price and income elasticities of natural gas demand: International evidence. *Energy Economics* 59, 466–474.
47. Burke, Paul J. 2016. Undermined by adverse selection: Australia's Direct Action abatement subsidies. *Economic Papers* 35(3), 216–229.
48. Burke, Paul J. and Csereklyei, Zsuzsanna. 2016. Understanding the energy-GDP elasticity: A sectoral approach. *Energy Economics* 58, 199–210.
49. Burke, Paul J. and Liao, Hua. 2015. Is the price elasticity of demand for coal in China increasing? *China Economic Review* 36, 309–322.
50. Burke, Paul J., Shahiduzzaman, Md, and Stern, David I. 2015. Carbon dioxide emissions in the short run: The rate and sources of economic growth matter. *Global Environmental Change* 33, 109–121.
51. Gao, Yi-Xuan, Liao, Hua, Burke, Paul J., and Wei, Yi-Ming. 2015. Road transport energy consumption in the G7 and BRICS: 1973–2010. *International Journal of Global Energy Issues* 38(4/5/6), 342–356.
52. Burke, Paul J. and Nishitateno, Shuhei. 2015. Gasoline prices and road fatalities: International evidence. *Economic Inquiry* 53(3), 1437–1450.
53. Paudel, Ramesh C. and Burke, Paul J. 2015. Exchange rate policy and export performance in a landlocked developing country: The case of Nepal. *Journal of Asian Economics* 38, 55–63.
54. Burke, Paul J. and Dundas, Guy. 2015. Female labor force participation and household dependence on biomass energy: Evidence from national longitudinal data. *World Development* 67, 424–437.
55. Burke, Paul J. 2014. Green pricing in the Asia Pacific: An idea whose time has come? *Asia & the Pacific Policy Studies* 1(3), 561–575.
56. Pezzey, John C.V. and Burke, Paul J. 2014. Towards a more inclusive and precautionary indicator of global sustainability. *Ecological Economics* 106, 141–154.
57. Nishitateno, Shuhei and Burke, Paul J. 2014. The motorcycle Kuznets curve. *Journal of Transport Geography* 36, 116–123.
58. Burke, Paul J. 2013. The national-level energy ladder and its carbon implications. *Environment and Development Economics* 18(4), 484–503.

59. Burke, Paul J. and Nishitateno, Shuhei. 2013. Gasoline prices, gasoline consumption, and new-vehicle fuel economy: Evidence for a large sample of countries. *Energy Economics* 36, 363–370.
60. Jayasuriya, Dinuk S. and Burke, Paul J. 2013. Female parliamentarians and economic growth: Evidence from a large panel. *Applied Economics Letters* 20(3), 304–307.
61. Burke, Paul J. and Resosudarmo, Budy P. 2012. Survey of recent developments. *Bulletin of Indonesian Economic Studies* 48(3), 299–324.
62. Burke, Paul J. 2012. Climbing the electricity ladder generates carbon Kuznets curve downturns. *Australian Journal of Agricultural and Resource Economics* 56(2), 260–279.
63. Jotzo, Frank, Burke, Paul J., Wood, Peter J., Macintosh, Andrew, and Stern, David I. 2012. Decomposing the 2010 global carbon dioxide emissions rebound. *Nature Climate Change* 2(4), 213–214.
64. Burke, Paul J. 2012. Economic growth and political survival. *B.E. Journal of Macroeconomics* 12(1), 1–43.
65. Burke, Paul J. and Leigh, Andrew. 2010. Do output contractions trigger democratic change? *American Economic Journal: Macroeconomics* 2(4), 124–157.
66. Burke, Paul J. 2010. Income, resources, and electricity mix. *Energy Economics* 32(3), 616–626.
67. Burke, Paul J. and Ahmadi-Esfahani, Fredoun Z. 2006. Aid and growth: A study of South East Asia. *Journal of Asian Economics* 17(2), 350–362.
68. McCarty, Adam and Burke, Paul. 2005. Burma/Myanmar: Reconciliation without capitulation. *Harvard Asia Pacific Review* 8(1), 28–32.

– Data and econometrics commands downloadable from my webpage –

### **Book reviews**

1. Burke, Paul J. 2022. Book review: Climate Crisis Economics, Stuart P.M. Mackintosh, Routledge, London and New York, 2022. *Economic Record* 98(321), 232–233.
2. Burke, Paul J. 2019. Book review: Fiscal Policies for Development and Climate Action, Miria A. Pigato (ed), World Bank, Washington, DC, 2019. *Bulletin of Indonesian Economic Studies* 55(2), 263–264.
3. Burke, Paul J. 2015. Book review: The Greening of Asia: The Business Case for Solving Asia's Environmental Emergency, Mark L. Clifford, Columbia Business School Publishing, New York, 2015. *Asian-Pacific Economic Literature* 29(2), 97–98.
4. Burke, Paul J. 2012. Book review: One Goal, Two Paths: Achieving Universal Access to Modern Energy in East Asia and the Pacific, World Bank, Washington, DC, 2011. *Asian-Pacific Economic Literature* 26(2), 167–168.
5. Burke, Paul J. 2011. Book review: The Changing Wealth of Nations: Measuring Sustainable Development in the New Millennium, World Bank, Washington, DC, 2011. *Bulletin of Indonesian Economic Studies* 47(2), 286–288.

6. Burke, Paul and McCarty, Adam. 2005. Book review: Economic Growth, Poverty, and Household Welfare in Vietnam, Glewwe, Paul, Agrawal, Nisha, and Dollar, David (eds), World Bank, Washington, DC, 2004. *Asian-Pacific Economic Literature* 19(1), 73–75.

## TEACHING

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**Convener**, ANU: IDEC8029 *Issues in Applied Microeconomics* (Master), 2018– (each year)

**Convener**, ANU: IDEC8089 *Energy Economics* (Master/PhD), 2019–2021; 2023– (each year)

**Convener**, ANU: IDEC8053 *Environmental Economics* (Master/PhD), 2013–2017; 2022 (each year)

**Convener**, ANU: IDEC8016 *Microeconomic Analysis and Policy* (Master), 2011–2015 (each year)

**Guest Lecturer**, ANU: IDEC8011 *Masters Research Essay* (Master), 2013–2019 [1 lecture each year; 2 in 2017, 2019]

**Guest Lecturer**, ANU: POGO8500 *Evidence and Analysis in Public Policy* (short lecture, 2019)

**Visiting Lecturer**, Beijing Institute of Technology: *Research Frontier of Energy and Environmental Policy*, 2019, 2017, 2013

**Lecturer**, ANU Centre for Continuing Education, 2018– (one each year)

**Guest Lecturer**, University of Münster, 2017

**Guest Lecturer**, ANU: CRWF8000 *Government, Markets and Global Change* (Master), 2017

**Guest Lecturer**, ANU: IDEC8089 *Energy Economics* (Master/PhD), 2012–2017 [1 lecture each year]

**Guest Lecturer**, ANU: POGO8016 *Economic Way of Thinking I* (Graduate Diploma), 2008 [2 lectures]

**Teaching Assistant**, ANU: POGO8081 *Economics for Government* (Master), 2008

**Lecturer**, National Economics University (NEU), Vietnam: *Master in Development Economics Preparation Course* (pre-Master), 2004

**Course Coordinator**, NEU: *Seminar Series Subject* (Master), 2003–2004

**Teaching Assistant**, NEU: *Research Methodology; Vietnam and Regional Development; Project Proposal Development* (Master; 3 courses), 2003–2004

**Tutor**, University of Sydney: AGEC1001 *Economic Environment of Australian Agriculture 1A* (undergraduate), 2002

## EXECUTIVE EDUCATION (various agencies and participants)

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- Energy economics
- Environmental economics
- Microeconomics
- Mineral and resource economics

## STUDENT SUPERVISION

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### ANU PhD panel membership:

*Current (4):* Tanvir Bashar<sup>a</sup>, Debasish Das<sup>b</sup>, Mara Hammerle<sup>a</sup>, Xueting Jiang<sup>b</sup>

### *Graduated:*

1. Wanissa Suanin (2022; *Processed Food Exports from Developing Countries: Patterns, Determinants, Policy Issues*)<sup>b</sup>
2. Tong Zhang (2021; *Essays on the Effects of Road Transport Costs*)<sup>a</sup>
3. Alongkorn Tanasritunyakul (2021; *Asian Export Performance: Diversification, Product Variety, and Productivity*)<sup>b</sup>
4. Leong Chi Hoong (2020; *Willingness-to-pay for Noise Abatement in Singapore*; Job: Ministry of the Environment & Water Resources, Singapore)<sup>b</sup>
5. Donny Pasaribu (2020; *The Dutch Disease, Natural Resource Booms and Policy Adjustments: The Case of Indonesia*; Job: ANU Tutor)<sup>b</sup>
6. Anna Falentina (2019; *Micro and Small Enterprises (MSEs) in Indonesia: Three Essays*; Job: Statistics Indonesia)<sup>b</sup>
7. Panittra Ninpanit (2019; *Economic Analysis of Energy Use and Environmental Impacts in Thailand*; Job: Office of the National Economic and Social Development Board, Thailand)<sup>b</sup>
8. Kurnya Roesad (2019; *Barriers to Renewable Energy Investment in the Indonesian Power Sector*; Job: Global Green Growth Institute)<sup>b</sup>
9. Kimlong Chheng (2018; *Food Insecurity in Developing Economies: International and Cambodian Evidence*; Job: Consulting)<sup>b</sup>
10. Rohan Best (2017; *Energy and Economic Development: Underlying Macroeconomic and Institutional Factors*; Job: Macquarie University)<sup>a</sup>
11. Alrick Campbell (2017; *Oil and Electricity in Small Island Developing States: Unmasking the Risks and Opportunities*; Job: University of the West Indies)<sup>b</sup>
12. Matthew McKay (2016; *Patterns of World Trade: An Application of Network Complexity Analysis*; Job: ANU)<sup>b</sup>
13. Rajan Panta (2016; *Essays on the Economic Consequences of Remittances*; Job: Central Bank of Nepal)<sup>b</sup>
14. Ryan Edwards (2016; *Natural Resource Sectors and Human Development: International and Indonesian Evidence*; Job: Dartmouth College)<sup>a</sup>
15. Tuan Phan (2015; *Empirical Essays on Monetary Policy and Transmission*; Job: Department of the Environment and Energy, Australia)<sup>a</sup>
16. Marcel Schröder (2014; *Real Exchange Rates and Foreign Assets: Three Essays*; Job: Lebanese American University)<sup>b</sup>
17. Fahad Khan (2014; *Three Essays on Determinants and Impact of Institutional Quality*; Job: Asian Development Bank)<sup>b</sup>
18. Acram Latiph (2014; *What's Wrong with Mindanao? The Unequal Development in the Philippines*; Job: Mindanao State University)<sup>b</sup>
19. Ramesh Paudel (2014; *Growth and Export Performance of Developing Countries: Is Landlockedness Destiny?*; Job: consulting)<sup>b</sup>
20. Hemantha Ekanayake (2012; *Essays on Fiscal-Monetary Interdependence*; Job: Central Bank of Sri Lanka)<sup>b</sup>
21. Shuhei Nishitaten (2011; *Global Production Sharing in the Automobile Industry: The Case of Japan*; Job: Kwansai Gakuin University)<sup>b</sup>

<sup>a</sup>: Chair and/or Primary Supervisor; <sup>b</sup>: Associate Supervisor

### Other ANU student supervision:

IDEC8033 *Research Project* (2023 [1 student])

IDEC8011 *Masters Research Essay* (2021 [5 students], 2020 [2 students], 2019 [4 students], 2018, 2017 [2 students], 2016 [6 students], 2015 [2 students], 2014 [2 students], 2013 [1 student])

EMET8002 *Case Studies in Applied Economic Analysis and Econometrics* (2018, 2017 [2 students], 2012, 2011, 2010)

## GRANTS AND FUNDING

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- National Natural Science Foundation of China, 2023–2027 (¥2,200,000; project led by Hua Liao)
- ANU College of Asia & the Pacific Open Access Funding, 2022 (US\$3,210)
- ACT Environment, Planning and Sustainable Development Directorate, 2021 (A\$6,000; with Mara Hammerle)
- ANU Australian Centre for China in the World, 2021 (A\$5,000)
- Department of Foreign Affairs and Trade, 2019–2021 (A\$165,000 for Australasian Development Economics Workshop)
- ANU Grand Challenge, 2018 (A\$10 million as part of a team led by Kenneth Baldwin)
- Australian-German Energy Transition Hub, 2017 (A\$4 million from Department of Foreign Affairs and Trade as part of a team led by Frank Jotzo)
- National Natural Science Foundation of China, 2016–2020 (¥510,000; project led by Hua Liao)
- Discovery Early Career Researcher Award, Australian Research Council, 2016–2018 (A\$370,000)
- Australia-China Research Program on Market Mechanisms for Climate Change Policy, 2013–2014 (A\$305,000 from Department of Foreign Affairs and Trade; project led by Frank Jotzo)
- ANU Research School of Asia & the Pacific grants (2014: A\$14,970; 2012: A\$5,000; 2011: A\$5,000)
- ANU Travel Grants: (2014: A\$1,500; 2011: A\$1,820)

## EMPLOYMENT

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**Professor and Head**, Arndt-Corden Department of Economics, Crawford School of Public Policy, ANU, Jan 2022–

**Associate Professor and Head**, Arndt-Corden Department of Economics, Crawford School of Public Policy, ANU, Jan 2021–

**Associate Professor and Deputy Head**, Arndt-Corden Department of Economics, Crawford School of Public Policy, ANU, Jan 2019–

**Fellow**, Arndt-Corden Department of Economics, Crawford School of Public Policy, ANU, Jan 2014–Dec 2018

**Research Fellow**, Arndt-Corden Department of Economics, Crawford School of Public Policy, ANU, Jun 2010–Dec 2013

**Research Assistant**, Fenner School of Environment and Society, ANU, Jan 2008–May 2010

**Research Assistant**, Research School of Social Sciences (RSSH), ANU, Jan–Feb 2009

**Teaching Assistant**, Crawford School of Public Policy, ANU, Feb–Jun 2008

**Economist and Projects Director**, Mekong Economics Ltd, Vietnam, Nov 2004–Dec 2005, Oct–Dec 2006  
Project management and research for development-sector research projects for the World Bank, AusAID, DFID, JBIC, United Nations, other aid donors, the Ministry of Education and Training, Ministry of Planning and Investment, and Ministry of Transport (project list available on request)

**Economist**, Ministry of Finance and Planning, Government of Tonga, Jan–Sep 2006



Prepared policy briefs, contributed to national strategic plan, participated in monitoring and evaluation exercises, and conducted research on economic issues facing Tonga

**Researcher**, AUSTCARE, Sydney, Sep–Oct 2004

Participated in monitoring and evaluation of development projects in Cambodia, and assisted to prepare a successful AusAID funding application

**Economist**, Vietnam-Netherlands Master in Development Economics (MDE) Program, National Economics University (NEU), Vietnam, Sep 2003–Sep 2004

Lectures and tutorials, thesis supervision, organised seminars, and secured scholarship funding

**Tutor**, Department of Agricultural and Resource Economics, University of Sydney, Mar–Jun 2002

**Economist**, Australian Bureau of Agricultural and Resource Economics (ABARE), Jan–Feb 2002

**Data Analyst**, Meat and Livestock Australia, Aug 2000–Jul 2001

**Farm Worker**, Darling Mills Farm, Nov 1999–Feb 2000

**Office Assistant**, Rescrete Industries, Jan–Feb 1999

## PROFESSIONAL ACTIVITIES

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**Leadership positions:**

- Deputy Director, Crawford School of Public Policy, ANU (Jul 2022–)
- Head, Arndt-Corden Department of Economics, Crawford School of Public Policy, ANU (2021–)
- Deputy Head, Arndt-Corden Department of Economics, Crawford School of Public Policy, ANU (2019–2020)
- Project Convener, Zero-Carbon Energy for the Asia-Pacific Grand Challenge, ANU (2018–)
- Leader, Energy Economics & Policy Cluster, ANU Institute for Climate, Energy & Disaster Solutions (2021–)
- Convener, Energy Economics & Policy Cluster, ANU Energy Change Institute (2015–2020)
- Australasian Development Economics Workshop – Executive Committee (Jun 2017–)
- ACT Branch President, Australasian Agricultural and Resource Economics Society (AARES; Jan 2017–Dec 2019)

**Other affiliations:**

- ANU Indonesia Project
- ANU Institute for Climate, Energy & Disaster Solutions (ICEDS)
- ANU Centre for Climate and Energy Policy (CCEP)
- ANU Tax and Transfer Policy Institute (TTPI)
- ANU Australian Centre on China in the World (CIW)
- Climate Change and Energy Program, Centre for Applied Macroeconomic Analysis (CAMA), ANU
- Non-Resident Fellow, Centre for Development Economics and Sustainability (CDES), Monash University
- Research Associate, Center for Sustainable Development Goals Studies, Padjadjaran University

**Advisory Board:**

- ANU Indonesia Project (Mar 2021–)

**Editorial Board:**

- *Bulletin of Indonesian Economic Studies* (Jan 2014–)

### Media pieces:

1. Boosting Southeast Asia's cross-border electricity trade, *Policy Forum*, 31 May 2022 (with Thang Do).
2. Harnessing offshore wind for green growth in Vietnam, *Policy Forum*, 23 May 2022 (with Thang Do).
3. To really address climate change, Australia could make 27 times as much electricity and make it renewable, *The Conversation*, 18 Mar 2022 (with Emma Aisbett and Ken Baldwin).
4. Carbon pricing insights from Vietnam, *Policy Forum*, 7 Oct 2021 (with Thang Do).
5. The lasting effects of recession, *Policy Forum*, 3 Dec 2020.
6. In the slow lane for electric cars, *Australian Financial Review*, 2 Dec 2020 (with Frank Jotzo).
7. Carbon pricing works: the largest-ever study puts it beyond doubt, *The Conversation*, 14 July 2020 (with Frank Jotzo and Rohan Best).
8. The next steps for Vietnam's booming solar sector, *Policy Forum*, 8 July 2020 (with Thang Nam Do).
9. A chance for lift off: Indonesia's solar sector, *Policy Forum*, 16 Jul 2019.
10. Bad news. Closing coal-fired power stations costs jobs. We need to prepare, *The Conversation*, 29 Mar 2019 (with Frank Jotzo and Rohan Best).
11. Cheap petrol pushed up Australia's road death toll, *Austaxpolicy*, 4 Apr 2018.
12. Indonesia's electricity subsidy reforms led to improved efficiency, *The Conversation*, 21 Mar 2018.
13. Fuel excise a good option for Indonesia, *Jakarta Post*, 14 Oct 2017.
14. Indonesia's fuel subsidy cuts prevented even worse traffic jams, *The Conversation*, 2 Oct 2017.
15. Three charts on: the incredible shrinking renewable energy job market, *The Conversation*, 3 Apr 2017.
16. Tackling Australian policy's 'trauma zone': Why the country needs a change of gear on climate policy, *Policy Forum*, 21 Jun 2016.
17. Direct Action not giving us bang for our buck on climate change, *The Conversation*, 16 May 2016.
18. Increasing fuel taxes could save thousands of lives worldwide, *The Conversation*, 13 Nov 2014.
19. Direct Action: wrong way, go back (with Frank Jotzo), *Inside Story*, 17 Mar 2014.
20. Gas guzzlers fuelled by shrinking petrol tax, *The Conversation*, 1 Mar 2013.
21. Indonesia's economy: strong, but not yet green (with Budy P. Resosudarmo), *East Asia Forum*, 20 Sep 2012.
22. Want a strong economy? Elect more women (with Dinuk Jayasuriya), *The Conversation*, 30 May 2012.
23. The emissions rebound after the GFC: why greenhouse gases went up in 2010 (with co-authors), *The Conversation*, 16 Mar 2012.
24. UN sustainability panel says put a price on the environment, *The Conversation*, 6 Feb 2012.
25. Keep calm and carry on: global market chaos shouldn't affect the carbon tax, *The Conversation*, 15 Aug 2011.
26. Why Australia needs a carbon bank, *The Conversation*, 6 Jun 2011.
27. Stuck on the middle rungs, *Climate Spectator*, 25 May 2011.
28. Pricing carbon doesn't mean we will pay more tax, *Canberra Times*, 31 Mar 2011.
29. We're behind the world on a carbon price (with Peter Wood), *Sydney Morning Herald*, 10 Oct 2010

(Some republished elsewhere)

**Media:** Research/opinion cited in the *Australian Financial Review*, ABC News, Radio National, *Sydney Morning Herald*, *The Age*, *Adelaide Advertiser*, *The Conversation*, *news.com.au*, *Times of India*, elsewhere. Appeared on *The Drum* (ABC), *The Project* (Channel 10), Voice of America, JJJ, ABC News, 2UE +++.

### Inquiry submissions:

1. National Hydrogen Strategy Discussion Paper (Mar 2019; with ANU colleagues)
2. Inquiry into Progress Under the National Road Safety Strategy 2011–2020 (Mar 2018)
3. Review of the Carbon Farming Initiative and the Emissions Reduction Fund (Sep 2017)
4. Australia's Review of Climate Change Policies (Apr 2017)
5. Senate Inquiry into the Government's Direct Action Plan (Jan 2014)

**In-person Parliamentary Committee evidence:** Inquiry into the Government's Direct Action Plan (Feb 2014)

**Independent expert report:** Environmental Justice Australia (2020)

**Journal referee:** [194 articles; 78 journals] *Anthropocene Review*; *Applied Economics* (6); *Applied Economics Letters* (3); *ASEAN Economic Bulletin*; *Asian Development Review*; *Asian-Pacific Economic Literature* (10); *Asia and the Pacific Policy Studies* (3); *Asian Women*; *American Economic Journal: Economic Policy*; *Australasian Journal of Environmental Management*; *Australian Economic Review* (3); *Australian Journal of Agricultural and Resource Economics* (10); *Bulletin of Indonesian Economic Studies* (10); *Carbon Management*; *Case Studies on Transport Policy*; *Challenges in Sustainability*; *Cleaner and Responsible Consumption*; *Climate Policy* (2); *Ecological Economics* (3); *Economic Analysis and Policy* (2); *Economic Inquiry*; *Economic Papers* (4); *Economic Record* (4); *Economica*; *Economics and Business Letters*; *Economics & Politics*; *Economics Bulletin*; *Economics of Transition*; *Empirical Economics* (2); *Energies* (2); *Energy and Climate Change*; *Energy Economics* (18); *Energy Efficiency*; *Energy Journal* (15); *Energy Policy* (19); *Energy Sources, Part B: Economics, Planning, and Policy*; *Energy Strategy Reviews* (2); *Energy, Sustainability and Society*; *Environmental and Resource Economics* (5); *Environmental Economics and Policy Studies*; *European Journal of Political Economy*; *Environmental Modeling & Assessment*; *Feminist Economics*; *Global Transitions*; *International Economic Review*; *International Journal of Environmental Research and Public Health*; *International Journal of Global Energy Issues* (2); *International Journal of Sustainable Transportation* (2); *Iranian Journal of Science and Technology*; *Transactions of Civil Engineering*; *Journal of Comparative Economics*; *Journal of Comparative Policy Analysis*; *Journal of Development Economics*; *Journal of Economic Asymmetries*; *Journal of Environmental Planning and Management*; *Journal of Environmental Economics and Management*; *Journal of Political Economy*; *Journal of the European Economic Association*; *Journal of Sustainability Research*; *Land Economics*; *Middle East Development Journal*; *Natural Resource Modeling*; *Nature Climate Change* (2); *Nature Energy*; *Nature Geoscience*; *Nature Sustainability*; *Population and Environment*; *Regional Science, Policy and Practice*; *Regional Science and Urban Economics*; *Resource and Energy Economics* (2); *Review of Development Economics*; *Review of Indonesia Economics and Business Studies*; *Research in Transportation Economics*; *Social Science Research*; *Sociological Quarterly*; *Sustainability*; *Transport Policy*; *Transportation Research Part A: Policy and Practice* (2); *Utilities Policy* (2); *World Development* (3)

**Conference referee:** International Conference on Indonesian Economy and Development (ICIED), 2017; Australian Agricultural and Resource Economics Society (AARES) 60<sup>th</sup> Annual Conference, 2016; 23<sup>rd</sup> Pacific Conference of the Regional Science Association International (RSAI)/ 4<sup>th</sup> Indonesian Regional Science Association (IRSA) Institute, 2013

**Currency review:** Earth Systems and Environmental Sciences (online reference database)

**Other refereeing:** Australian Research Council (24); Book proposals (6); Cambridge University Press book chapter; Climate Institute; Danida Fellowship Centre (2); Department of Infrastructure, Regional Development and Cities; Department of Industry, Innovation and Science; East Asia Forum (11); Edward Elgar book chapter; Global Subsidies Initiative (2); Other book chapters (2); RAND Corporation

**ANU internal proposal reviews:** 4

**PhD thesis examination:** Curtin University, QUT, RMIT, University of Otago, University of Sydney

**Master thesis external examination:** Monash University

**Additional ANU grading and selection committees:** Asia Pacific Week, 2014; various ANU selection and prize committees; grading for several ANU research courses

**ANU committee membership:** Crawford School Education Committee (Jan 2021–); Crawford School Strategic Engagement Committee (May–Dec 2020); Zero-Carbon Energy for the Asia-Pacific Grand Challenge Steering Committee (2018–); Crawford School Research Committee (Jan–Dec 2019, Sep 2010–Jan 2014); Crawford School Student Recruitment Committee (Oct 2014–Dec 2015)

**Other committee membership:** AARES ACT Branch (Jul 2014–); various AARES Awards Committees; AARES Nominations Committee 2021

**Seminar convening:** ACDE Seminar, Oct 2020–; ANU Crawford School Economics PhD Seminar Series, Jul 2016–Jun 2019, Jan 2011–Dec 2012; NEU MDE Seminar Series, Sep 2003–Sep 2004

**Lecture convening:** HW Arndt Lecture (ANU; Apr 2019–Dec 2022)

**Conference organisation:** Organising Committee for the 32<sup>nd</sup> Annual Conference of the Chinese Economics Society Australia (CESA) (Nov 2022); Australasian Development Economics Workshop (Jun 2018); Co-Organiser, Australian-German Energy Transition Hub Virtual Conferences (Mar 2019, Mar 2018); Co-Organiser, Mini-Symposium at AARES 62<sup>nd</sup> Annual Conference (Adelaide, Feb 2018); Organising Committee and Session Chair, Australian Academy of Science 2012 Australian Frontiers of Science: 'Science for a Green Economy' (Nov 2012)

**Conference presentations (by invitation):** Greening Energy Infrastructure Conference (Singapore Management University, Dec 2022); Public Sector Economist Conference 2022 (Canberra, Nov 2022); 66<sup>th</sup> AARES Conference (Online, Feb 2022); 7<sup>th</sup> Asia-Pacific Energy Sustainable Development Forum (Tianjin University, online, Sep 2021); 13<sup>th</sup> NEU-KKU International Conference on Socio-Economic and Environmental Issues in Development (National Economics University, Vietnam, online, Jun 2021); Asian Economic Policy Review Conference (online, Mar 2020); ANU Indonesia Update Conference (Sep 2019, Sep 2012)

**Academic conference/workshop presentations:** 32<sup>nd</sup> Annual Conference of Chinese Economics Society Australia (CESA; ANU, Nov 2022); 17<sup>th</sup> Australasian Development Economics Workshop (University of Sydney, Jun 2022); 16<sup>th</sup> Australasian Development Economics Workshop (Monash University, Nov 2021); 15<sup>th</sup> Australasian Development Economics Workshop (UWA, Jun 2019); Australasian Aid Conference (Feb 2019); AARES 63<sup>rd</sup> Annual Conference (Melbourne, Feb 2019); Australian-German Energy Transition Hub Virtual Conference (Mar 2018); AARES 62<sup>nd</sup> Annual Conference (Adelaide, Feb 2018, 2 presentations); Australian Conference of Economists (Sydney, Jul 2017); 40<sup>th</sup> Annual IAEE International Conference (Singapore, Jul 2017); 13<sup>th</sup> Australasian Development Economics Workshop (UNSW, Jun 2017); AARES 61<sup>st</sup> Annual Conference (Brisbane, Feb 2017); 15<sup>th</sup> International Convention of the East Asian Economic Association (Bandung, Nov 2016); 13<sup>th</sup> Indonesian Regional Science Association (IRSA) Conference (Brawijaya University, Jul 2016); 45<sup>th</sup> Australian Conference of Economists (Adelaide, Jul 2016); Australian Asian Studies Association Biennial Conference (Canberra, Jul 2016); AARES 60<sup>th</sup> Annual Conference (Canberra, Feb 2016); 44<sup>th</sup> Australian Conference of Economists (Brisbane; Jul 2015); 4<sup>th</sup> International Association for Energy Economics (IAEE) Asian Conference (Beijing; Sep 2014); International Energy Workshop (Beijing, Jun 2014); AARES 58<sup>th</sup> Annual Conference (Port Macquarie, Feb 2014, 2 presentations); 11<sup>th</sup> International Conference of the Japan Economic Policy Association (Nagoya Gakuin University, Oct 2012); 35<sup>th</sup> IAEE International Conference (Perth, Jun 2012); 10<sup>th</sup> International Conference of the Japan Economic Policy Association (Kwansei Gakuin University, Nov 2011); 3<sup>rd</sup> Indonesian Regional Science Association (IRSA) International Institute (Andalas University, Jul 11); 40<sup>th</sup> Australian Conference of Economists (Canberra, Jul 2011); AARES 55<sup>th</sup> Annual Conference (Melbourne, Feb 2011); 29<sup>th</sup> United States Association for Energy Economics/IAEE North American Conference (Calgary, Oct 2010); Australasian Public Choice Conference (Deakin University, Dec 2009); 2<sup>nd</sup> Australasian Conference on Economics and Politics of War and Peace (Macquarie University, Jul 2008); 13<sup>th</sup> Australasian Macroeconomics Workshop (University of Sydney, Mar 2008); Monash University PhD Workshop in Economics (Feb 2008); AARES 52<sup>nd</sup> Annual Conference (Canberra, Feb 2008); University of Indonesia Faculty of Economics 3<sup>rd</sup> Academic Seminar (Jakarta, Dec 2006)

**Other academic presentations/panels:** University of Economics Ho Chi Minh City (Feb 2023); NUS ESI Carbon Pricing Workshop 2023 (Jan 2023); ANU Energy Update (Nov 2022); Monash University (Aug 2022, Nov 2016, Nov 2015, Aug 2014); Arndt-Corden Department of Economics, ANU (Aug 2022, Mar 2020, Mar 2019, Feb 2017, May 2016, Feb 2015, Sep 2013, Mar 2012, Aug 2010, Mar 2010, Oct 2008, Jun 2008); RMIT (Jul 2022, Oct 2018); ANU Asia Pacific Week (Jun 2022, Jun 2016, Jun 2014, Feb 2010); ANU ICEDS (Jun 2022); University of Western Australia (Apr 2022, Oct 2018); Deakin University (Mar 2022); ISEAS-Yusof Ishak Institute (Feb 2021); Mercator Research Institute on Global Commons and Climate Change (Oct 2020, Dec 2017); AARES Webinar (Nov 2020); National Economics University, Hanoi (Feb 2020, Dec 2015); Beijing Institute of Technology (Oct 2019, Oct 2017, Sep 2014, Jun 2014, Oct 2013); ACDE Open

Forum, ANU (Oct 2019); University of Melbourne (May 2019 [webinar], Apr 2018); Swinburne University of Technology (Feb 2019); Indonesian Institute of Sciences (LIPI; Jan 2019, Jul 2018, Jun 2017, Jan 2017, Nov 2016, Jan 2016); University of Indonesia (Jan 2019, Jan 2017, Jan 2016, Jan 2015); Padjadjaran University (Jan 2019, Jan 2016, Jan 2015, Jul 2011); Nanyang Technological University (Jan 2019); National University of Singapore (Jan 2019, Nov 2016); National Institute of Public Finance and Policy (India; Sep 2018); ANU Coal Transitions Symposia (Apr 2018); University of Hamburg (Dec 2017); DIW Berlin (Dec 2017); University of Münster (Dec 2017); University of Göttingen (Dec 2017); Frankfurt School of Finance & Management (Dec 2017); Renmin University (Nov 2017); China University of Mining & Technology, Beijing (Nov 2017); Peking University (Oct 2017); AJRC-RIETI Workshop on Commodity Markets (Sep 2017); ANU CAP Research Showcase (Aug 2017); Crawford School of Public Policy, ANU (Aug 2017); Macquarie University (Jun 2017); Universitas Gadjah Mada (Nov 2016); Australia Indonesia Partnership for Economic Governance (Nov 2016); University of Queensland (Oct 2016); University of Sydney (Oct 2016); Institut Teknologi Sepuluh Nopember (Jul 2016); ANU Federal Election series (Jun 2015); ANU Fenner School (Nov 2015); ANU Aid & Development Learning Community (Aug 2015); ANU Climate Café (Aug 2015); PPM School of Management (Jan 2015); Tsinghua-ANU Forum on Climate and Energy Policy (Sep 2014); University of Tasmania (Mar 2014); ANU Event: Emissions Trading in China (Feb 2014); ANU Workshop: Topics on Asian Development, Past and Present (Jan 2014); ANU Energy Update (Dec 2013); University of Sydney (Sep 2013, Aug 2011); ANU Energy Change Institute Open Day (Oct 2012, Oct 2011); Indonesia Study Group (ANU, Sep 2012); ANU East Asia Forum (Oct 2011); University of New South Wales (Sep 2011); ANU Climate Change Expo (Aug 2011); ANU Research School of Economics (Jun 2011); La Trobe University (Apr 2011); ANU Event: Asia's Economic Transformation: Implications for Australia (Apr 2011); University of Calgary (Oct 2010); University of Western Sydney (Sep 2008); ANU RSSS (Jun 2008); MDE Seminar at the World Bank Office, Hanoi (Aug 2004)

**Additional presentations/panels:** Citizens Climate Lobby, Hume Chapter (Nov 2022); U3A (Mar 2022, Aug 2015); Wright Hall (Mar 2022); Department of Finance, Philippines (Mar 2022); ANZ Post-COP26 (Nov 2021); Coalition for Conservation (Jul 2021); Victorian Department of Treasury and Finance (Mar 2021, Apr 2016); Imagining Indonesia's Energy Future (Mar 2021); IISD Indonesia (Mar 2021, Feb 2017); Citizens' Climate Lobby Australia (Nov 2020); Renewable energy workshops at ANU (numerous during 2018–); Australia Indonesia Business Council (AIBC) South Australia Chapter (Nov 2019); Lowy Institute (Sydney, Sep 2019; Sep 2012); Coordinating Ministry for Economic Affairs, Indonesia (Jul 2019); Australian Institute of Energy (Dec 2018; Mar 2018); All-Energy Australia Exhibition and Conference (Oct 2017); Philosophy, Politics, and Economics Society, ANU (May 2017); TNP2K (Jan 2017); Australia Indonesia Partnership for Economic Governance (Nov 2016); AARES ACT Branch (Apr 2016, Mar 2014); Vietnam Academy of Social Sciences (Jan 2016); Indonesian Institute for Energy Economics (IIEE) (Jan 2015); Ministry of Finance of Indonesia (Jan 2015); Partnership for Governance Reform, Jakarta (Jul 2011); Asia Pacific Foundation of Canada (Oct 2010); Rotary Club of Lindfield (Jun 2010)

**Discussant:** PhD Conference in Economics and Business (Nov 2021, Nov 2020); AARES 60<sup>th</sup> Annual Conference (Canberra, Feb 2016); ANU Workshop on Transitions to and from Democratic Rule (May 2015); 10<sup>th</sup> International Conference of the Japan Economic Policy Association (Kwansei Gakuin University, Nov 2011); ANU PhD Seminar (Oct 2010, Apr 2008)

**Invited classes/training sessions:** Beijing Institute of Technology (Oct 2019, Oct 2017, Nov 2013); Keio University (Nov 2011); 3<sup>rd</sup> Indonesian Regional Science Association (IRSA) International Institute (Andalas University, Jul 2011)

**Fellowships:** WWU Fellowship, University of Münster (December 2017)

**Student representation:** PhD in Economics Student Representative, ANU (2007–2010)

## CONSULTING REPORTS (samples)

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Mekong Economics. 2006. *Timor-Leste Base-Line Study – Poverty Profiling & Monitoring for Community Activation Projects*. United Nations.

Melanie, Jane, Kim, Marina, Hester, Sam, Berry, Peter, Ball, Allison, and Schneider, Karen. (ABARE), and Burke, Paul, Au Duong Le Hoa, and McCarty, Adam. (Mekong Economics). *Enhancing ASEAN Minerals Trade and Investment*. Project No. 04/009b, ASEAN Australia Development Cooperation Program Regional Economic Policy Support Facility.

McCarty, Adam, Burke, Paul, Tran Thi Ngoc Diep, and Dinh Thi Thu Huong. *Consulting Rate Study: Report for the Royal Danish Embassy in Hanoi*. Mekong Economics.

Burns, Kevin, Hansard, Alan, Fairhead, Lindsay, and Burke, Paul. *An Analysis of the Issues Influencing LNG Demand in Japan and the EPCO Regions*. ABARE Report to the North West Shelf Venture.

## AWARDS

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- Paper commendation, *Environmental and Resource Economics*, 2020
- Best Paper Honourable Mention, *Australian Journal of Agricultural Economics*, 2019
- Best Paper Prize, *Economic Papers*, 2016
- ANU Vice-Chancellor's Award for Public Policy and Outreach, 2016 (as part of a large team)
- Discovery Early Career Researcher Award, Australian Research Council, 2016–2018
- ANU Commendation for Outstanding Contribution to Student Learning, 2014
- ANU College of Asia & the Pacific Award for Teaching Excellence, 2013
- Young Alumni Achievement Award, University of Sydney Faculty of Agriculture, Food and Natural Resources, 2010 (awarded at the Faculty Centenary Dinner)
- Winner, ANU College of Asia & the Pacific 5-Minute Thesis Speech Competition, 2009
- Graduate Course Award in Research Information Literacy, ANU, 2008
- ANU PhD Supplementary Scholarship, 2007–2010
- Australian Postgraduate Award, 2007–2010
- University of Sydney Medal, 2002
- Economic Society of Australia NSW Branch Honours Economics State Award, 2002
- Australian Agricultural and Resource Economics Society Undergraduate Prize for NSW, 2002
- ABARE Prize for Best Fourth Year Student, University of Sydney, 2002
- Bruce Davidson Prize in Resource Economics, University of Sydney, 2002
- Clifford Dawson Holliday Prize for Third Year Agriculture, University of Sydney, 2001
- Joan Robinson Prize in Post-Keynesian Economics, University of Sydney, 2001
- ABARE Scholarship, University of Sydney, 2001–2002
- Manildra Group Scholarship, University of Sydney, 1999–2002
- Dean's List of Excellence in Academic Performance, Faculty of Agriculture, Food and Natural Resources, University of Sydney, 1999–2002 (annually)