



AARES 2019 ANNUAL CONFERENCE

Melbourne Convention Exhibition Centre

12 - 15 February 2019



CONFERENCE PROGRAM

Disclaimer

The speakers, topics and times are correct at the time of printing. In the event of unforeseen circumstances, the Local Organising Committee reserves the right to delete or alter items in the Conference Program.

TUESDAY, 12 FEBRUARY 2019		
Time	Session	Location
8.00 am – 5.30 pm	Pre-Conference Workshop Evidence-based Farm and Food Policy in an Era of Fake News Mal Wegener & Julian Alston	Clarendon Room D Level 1
4.00 pm - 6.00 pm	Registration for conference delegates	Concourse Ground Floor
5.30 pm – 7.30 pm	Welcome Reception	Concourse Foyer

WEDNESDAY, 13 FEBRUARY 2019

Time	Session	Location
7.30 am - 4.30 pm	Registration	Concourse Ground Floor
8.30 am - 9.00 am	Conference Official Opening Michael Taylor	Clarendon Room A&B Level 4
9.00 am - 10.00 am	Opening Plenary Session Jo Swinnen: Global Value Chains	Clarendon Room A&B Level 4
10.00 am - 10.30 am	Morning Tea	Outside Clarendon Rooms
10.30 am – 12.00 pm	Mini Symposia 1 Contributed Papers Session 1	
10.30 am – 12.00 pm	Contributed Paper Session 1 Theme: Innovation 1) Franklin Soriano, Rene Villano, Euan Fleming and George Battese <i>Dynamics of Innovation, Business Performance and Productivity Dispersion in the Small Food Businesses in Australia</i> 2) Muhammad Masood Azeem, Syed Fazl-E-Hassan, Leopoldo Gutiérrez and Derek Baker <i>Do functional diversity of interfirm collaborations (FDC) lead to innovation diversity? Firm level evidence from Australian food industry</i> 3) Sujana Adapa, Muhammad Azeem and Alison Sheridan <i>Gender, Innovation and performance in small and medium-sized firms in developing countries – Empirical Evidence from Food and Beverage Industry</i> 4) Natalie Nelson and Sorn Norng <i>Combined variables that significantly contribute to profit on high performing dairy farms in Victoria</i>	Clarendon C Level 1 Chair: Bob Farquharson
10.30 am – 12.00 pm	Contributed Paper Session 1 Theme: Climate and management 1) Farnaz Pourzand and Ilan Noy <i>Impacts of droughts on agricultural productivity and profitability in New Zealand: A micro-level study</i> 2) Jorie Knook and Wei Yang <i>Evaluating the impact of participatory extension programmes on the uptake of good management practices – a spatial propensity score matching method</i> 3) David Ubilava and Aaron Smith <i>The Signal and the Noise of Short Term Climate Forecasts: Evidence from Grain Futures Markets</i> 4) Marit Kragt, Thayse Nery and Myrtille Lacoste <i>Estimating the agricultural benefits of weather radar investments in the WA wheatbelt</i>	Clarendon D Level 1 Chair: Marit Kragt

10.30 am – 12.00 pm	<p>Contributed Paper Session 1 Theme: Sustainability</p> <ol style="list-style-type: none"> 1) Timothy Clune <i>Conceptualising Sustainable Development of Australian Agribusiness</i> 2) Kalyan Kanti Das, Arunava Ghosh, Prateek Madhab Bhattacharya, Tapamay Dhar, Apurba Chowdhury, Fay Rola-Rubzen, Mahesh Gathala and Thakur Prasad Tiwari <i>Identifying Important Determinants in Popularising Conservation Agriculture Sustainable Intensification – A Study in Coochbehar District of West Bengal, India</i> 3) Nanda Kaji Budhathoki, Kerstin Zander and Nanda Budhathoki <i>Impacts of extreme heat and cold in the food bowl of Nepal: Existing adaptation practices</i> 4) Andrew Buckwell, Dan Ware, Christopher Fleming, Jim Smart, Brendan Mackey and Johanna Nalau <i>Social Benefit-Cost Analysis of Ecosystem-Based Climate Change Adaptation Options for Tanna Island, Vanuatu</i> 	Clarendon E Level 1 Chair: Oscar Cacho
10.30 am – 12.00 pm	<p>Contributed Paper Session 1 Theme: Fishing</p> <ol style="list-style-type: none"> 1) Sabiha Marine, John Rolfe and Nicole Flint <i>Economic Valuation of Recreational Fishing: Examining the Effects of Queensland’s Net-free Areas</i> 2) Rachel Nichols, Satoshi Yamazaki and Sarah Jennings <i>How do networks of marine protected areas impact adjacent fisheries?</i> 3) Shoichi Kiyama and Satoshi Yamazaki <i>Can diversifying fishing activities mitigate income variability? Evidence from a small-scale mixed fishery in Japan</i> 4) Trevor Hutton, Roy Deng, Sean Pascoe and Andre E. Punt <i>Expecting the impossible: setting objectives over multiple species in the Northern Prawn Fishery</i> 	Clarendon F Level 1 Chair: Geoff Edwards
10.30 am – 12.00 pm	<p>Contributed Paper Session 1 Theme: Trade</p> <ol style="list-style-type: none"> 1) David Vanzetti and Huong Do <i>The Trump tariff war and its implications for agricultural exporters</i> 2) Subashini Perera, Mahinda Siriwardana and Stuart Mounter <i>Do multinational trade policies improve customs efficiency in South Asia</i> 3) Sally Thorpe and James Fell <i>Estimation of ad valorem tariff-equivalents of NTMs for Australian grains</i> 4) Richard Culas and Krishna Timsina <i>China-Australia Free Trade Agreement: Implications for Australian agriproduct trade and farm economies</i> 	Clarendon G Ground Floor Chair: Richard Culas

10.30 am – 12.00 pm	<p>Contributed Paper Session 1 Theme: Conservation and water quality</p> <ol style="list-style-type: none"> 1) Anna Roberts, Denise Fontana, Geoff Park, Lucas van Raalte and David Francis <i>Fire, faeces and filtration– addressing Health Based Targets and bushfire risk to water supply catchments</i> 2) Mohsin Riaz and Muhammad Ashfaq <i>Impact of Participatory Irrigation Management on water availability and agricultural productivity</i> 3) Tafesse Estifanos, Maksym Polyakov, Ram Pandit, Michael Burton and Atakelty Hailu <i>Managing conflicts between local land use and protection of Ethiopian wolf: Residents preferences for conservation program design features</i> 4) Jude Bayham and Jonathan K. Yoder <i>Resource Allocation Under Fire</i> 	Clarendon A Level 4 Chair: Lin Crase
10.30 am – 12.00 pm	<p>Contributed Paper Session 1 Theme: Land allocation</p> <ol style="list-style-type: none"> 1) Huy Quynh Nguyen and Peter Warr <i>Land Consolidation as Technical Change: Impacts On-farm and Off-farm in Rural Vietnam</i> 2) Abrham Gessesse, Abiro Tigabie Mersha, Yared Tezera Gessesse, He Ge and Solomon Habtu Mesgina <i>A Structural Equation Modelling Approach to Understand Farmers Perspective and Adaptive Intention towards Land Fragmentation in Central Highlands of Ethiopia</i> 3) Louise Blackmore, Sayed Iftekhar, Steven Schilizzi, Abbie Rogers and Kerrie Wilson <i>How do trust relationships and competitive program design affect collaborative behaviour in private land conservation programs?</i> 4) Lanjiao Wen and Anlu Zhang <i>Can China's rural construction land market mitigate the constraint of urban conflict in the rapid urbanization ?-- Evidence from Deqing and Nanhai</i> 	Clarendon B Level 4 Chair: Ou Wang
10.30 am – 12.00 pm	<p>Mini-symposium 1. Information in the Australian red meat supply chain: convenor Derek Baker</p>	Clarendon Level 4
12.00 pm - 1.00 pm	Lunch	outside Clarendon
12.00 pm - 1.00 pm	<p>Lunchtime event: Women in Economics Jill McCluskey <i>Why Expectations and Diversity Matter</i></p>	Eureka Room Ground Floor
1.00 pm – 2.30 pm	Invited Papers Sessions A & B Contributed Papers Session 1a	
1.00 pm – 2.30 pm	<p>Invited Papers Session A - Behavioural economics</p> <ol style="list-style-type: none"> 1. David Just <i>Food Consumer Behaviour</i> 2. Gigi Foster <i>Unseen factors influencing behaviour</i> 	Clarendon A&B Level 4
1.00 pm – 2.30 pm	<p>Invited Papers Session B – Food</p> <ol style="list-style-type: none"> 1. Maria Loureiro <i>Credence goods in food demand</i> 2. Jill McCluskey <i>Predicting Prevalence of Listeria in Retail Food Environments</i> 	Clarendon D&E Level 1

1.00 pm – 2.30 pm	<p>Contributed Paper Session 1a Theme: Crops</p> <ol style="list-style-type: none"> 1) John Mullen, Bill Malcolm and Bob Farquharson <i>ACIAR's Contribution to Lowland Rice Technologies in Laos</i> 2) Apri Sayekti, Di Di Zeng and Apri Sayekti <i>Hybrid varieties adoption, continuity, and the impact on farmer's income: The case of chilli in Indonesia</i> 3) Abdul W. Muhaimin, Hery Toiba, Tri W. Nugroho and Dwi Retnoningsih <i>The impact of technology adoption on income and food security of smallholder cassava farmers: Empirical evidence from Indonesia</i> 4) Orachos Napasintuwong <i>Growers' participation in maize seed production contracts in Thailand</i> 	Clarendon C Level 1 Chair: Satoshi Yamazaki
1.00 pm – 2.30 pm	<p>Contributed Paper Session 1a Theme: Risk</p> <ol style="list-style-type: none"> 1) Andrew Zull, Ross Kingwell, James Hagan, Jeremy Whish and Bill Malcolm <i>Development and applications of parsimonious risk analysis (PRA)</i> 2) Arieska Wening Sarwosri <i>Risk attitude and discount rate: crucial factors for planting oil palms by smallholders?</i> 3) Xue Gao and Xiaoshi Zhou <i>The effects of farmers' perceptions of climate risk on the choice of conservation tillage in China</i> 4) Min Jeong Kang, Cherry Kim and Kwansoo Kim <i>The impact of extreme heatwaves and rainfall on farm households' risk-balancing decision</i> 	Clarendon Level 4 Chair: Bill Malcolm
1.00 pm – 2.30 pm	<p>Contributed Paper Session 1a Theme: Natural resource management</p> <ol style="list-style-type: none"> 1) Utkur Djanibekov and Tarek Soliman <i>Assessing the impacts of nutrient leaching and greenhouse gas emission reduction measures on New Zealand land uses</i> 2) Vonny Indah Mutiara, Ami Sukma Utami and Rika Hariance <i>Land System Resilience: Linking Agricultural Land Use Change and Matrilineal System in West Sumatera, Indonesia</i> 3) Alec Zuo, Feng Qiu and Sarah Wheeler <i>Government Intervention in Water Markets in Australia: insights from examining dynamic interactions and volatility spillovers</i> 4) Pike Brown <i>Behavioural Insights from the Survey of Rural Decision Makers</i> 	Clarendon F Level 1 Chair: Pike Brown

1.00 pm – 2.30 pm	<p>Contributed Paper Session 1a Theme: Land and water management</p> <p>1) Tongwei Qiu, Biliang Luo and Qinying He <i>The strangers in the acquaintance networks: whether lower land rent exists in the informal rental transactions or not?</i></p> <p>2) Tongwei Qiu, Biliang Luo and Qinying He <i>Does land fragmentation distort land rental markets? Evidence from China</i></p> <p>3) Sikha Karki, Paul Burton and Brendan Mackey <i>The challenges of practical adaptation faced by Nepalese farmers</i></p> <p>4) Ana Manero, Henning Bjornlund, Makarius Mdemu and James Pittock <i>A framework for the definition of irrigation water equity and its application in small-scale schemes in Tanzania</i></p>	Clarendon G Ground Floor Chair: Glyn Wittwer
2.35 pm – 3.15 pm	<p>Policy Sessions</p> <p>Contributed Papers Session 1b</p>	
2.35 pm – 3.15 pm	A. Will Martin <i>Economic Growth, Convergence and Agricultural Policies.</i>	Clarendon A&B Level 4
2.35 pm – 3.15 pm	B. Sarah Wheeler and Jason Alexandra <i>Putting some facts on the table in regard to water policy and reform in the Murray-Darling Basin</i>	Clarendon D&E Level 4
2.35 pm – 3.15 pm	C. Shenggen Fan <i>Supply issues taking account of climate change and sustainable use of natural resources.</i>	Clarendon C Level 1
2.35 pm – 3.15 pm	D. Kynda Curtis <i>Do multi-labeled food products inform or confuse consumers?</i>	Clarendon Level 4
2.35 pm – 3.15 pm	<p>Contributed Paper Session 1b Theme: Nutrition and poverty</p> <p>1) Shih-Hsun Hsu, Ching-Cheng Chang, Yi-Ting Liu and Victor Hsu <i>Nutrition Security and Optimal Dietary Intake in Taiwan</i></p> <p>2) Londari Yamarak and Kevin Parton <i>Mining and Poverty in Papua New Guinea: Case Studies at Ok Tedi and Porgera</i></p>	Clarendon F Level 1 Chair: Kevin Parton
2.35 pm – 3.15 pm	<p>Contributed Paper Session 1b Theme: Food and beverages</p> <p>1) Christian Genova, Wendy Umberger, Suzie Newman, Alexandra Peralta and Di Zeng <i>The impact of smallholder vegetable production on child nutrition in rural Vietnam</i></p> <p>2) Xi Gu, Thomas Marsh and Randy Fortenbery <i>Price Linkage and Volatility Spillover of Beer Inputs</i></p>	Clarendon G Ground floor Chair : Randy Fortenbery
3.15 pm - 3.45pm	Afternoon Tea	outside Clarendon Rooms
3.45 pm – 5.15 pm	<p>Mini-symposia 2, 3 and 4</p> <p>Contributed papers session 2</p>	
3.45 pm – 5.15 pm	<p>Mini-symposium 2. The too-often tenuous relationship of the discipline of farm management economics with farm extension messages that comes out of agricultural research and development: convenors Bill Malcolm (UM) and Fred Chudleigh (Qld DPI)</p>	Clarendon C Level 1

3.45 pm – 5.15 pm	<p>Contributed Paper Session 2 Theme: Food and beverages</p> <ol style="list-style-type: none"> 1) John Gibson and Steven Tucker <i>Quantity, Quality, and Price: Experimental Evidence on Taxing Soft Drinks</i> 2) Rebecca Taylor, Scott Kaplan, Sofia Villas-Boas and Kevin Jung <i>Soda Wars: The Effect of a Soda Tax Election on University Beverage Sales</i> 3) Paul Mwebaze, Kate Fiedler and Rieks Van Klinken <i>Using systems approaches to access high value markets for horticultural exports from Australia</i> 4) Alec Zuo and Robin Roberts <i>Determinants of online mango retail price in China – a Hedonic approach</i> 	Clarendon D&E Level 1 Chair: Alec Zuo
3.45 pm – 5.15 pm	<p>Contributed Paper Session 2 Theme: Environmental adaptation</p> <ol style="list-style-type: none"> 1) Rohan Best, Paul Burke and Shuhei Nishitateno <i>Where in Australia has more small-scale solar installations?</i> 2) Dwi Retnoningsih and Tri Wahyu Nugroho <i>Farmers' Perception and Adaptation to Climate Change on Horticulture Farming: a case study of East Java Province in Indonesia</i> 3) Xiaoliang Guan, Junbiao Zhang and Wanglin Ma <i>To what extent are the rural households carbon capable? Evidence from a survey at Jiangnan Plain, central China</i> 4) Stuart Whitten, Amelie Riou, Art Langston, Emma Norman and Fiona Dickson <i>The Environmental Stewardship Program 2013 and 2018 – a story of change</i> 	Clarendon F Level 1 Chair: Stuart Whitten
3.45 pm – 5.15 pm	<p>Contributed Paper Session 2 Theme: Soil management</p> <ol style="list-style-type: none"> 1) Sanaz Shoghi Kalkhoran, David Pannell, Tas Thamo, Maksym Polyakov and Benedict White <i>Optimal lime rates for soil acidity mitigation: impacts of crop choice and nitrogen fertilizer</i> 2) James Hagan and Andrew Zull <i>The Economics of Feedlot Manure as Fertiliser in Australian Broadacre Farming Systems</i> 3) Kerry Stott, Doug Crawford and Sorn Norng <i>Intensive pH sampling and variable rate surface application of lime: does it pay?</i> 4) Tiho Ancev and Moriah Bostian <i>A Nitrogen Use Efficiency Index</i> 	Clarendon G Ground Floor Chair: Tiho Ancev
3.45 pm – 5.15 pm	<p>Contributed Paper Session 2 Theme: Land, water and conservation</p> <ol style="list-style-type: none"> 1) Anlu Zhang <i>How Horizontal Integration affects Transaction Costs of Rural Collective Construction Land Market? An Empirical Analysis in Nanhai District, Guangdong Province, China</i> 2) Vandana Subroy, David Pannell, Marit Kragt, Abbie Rogers, Brett Beecham and Manda Page <i>Threatened species economics: BCA versus CEA</i> 3) Sayed Iftekhar, Fan Zhang, Maksym Polyakov, James Fogarty and Burton Michael <i>Non-market values of water sensitive urban designs: A case study on rain gardens</i> 4) Sayed Iftekhar and James Fogarty <i>Improving performance of groundwater allocation trading in Western Australia: A simulation study</i> 	Clarendon A&B Level 4 Chair: Lili Pechey

3.45 pm – 5.15 pm	Mini-symposium 3. Challenges in tackling food waste: convenor Derek Baker	Clarendon Level 4
3.45 pm – 5.15 pm	Mini-symposium 4. Biosecurity in the 21st Century. convenor: Tom Kompas	Eureka Room Ground Floor
5.20 pm – 6.00pm	Presidential Address Suzi Kerr <i>Economists and leadership toward low-emission societies</i>	Clarendon A&B Level 4
6.30 pm – 10.30 pm	Conference Dinner and Presentations Speaker: Professor David Pannell	Cargo Hall

THURSDAY, 14 FEBRUARY 2019		
Time	Session	Location/Notes
8.00 am - 4.30 pm	Registration	Concourse Ground Floor
8.45 am - 10.15 am	Mini – Symposia 5, 6 and 7 Contributed Papers Session 3	
8.45 am - 10.15 am	Contributed Paper Session 3 Theme: Contracts and supply chains 1) Megan Star and John Rolfe <i>Block heads needed for Block Chain. Improving supply chains in agriculture</i> 2) Ross Kingwell <i>International grain supply chains: issues and implications for Australia</i> 3) Alexandra Peralta, Robert Shupp and Cansin Arslan <i>Do coffee growers trust their buyer? Experimental evidence from Uganda.</i> 4) Dias Satria and Dewi Mayasari <i>Food consumption patterns of rural and urban areas in East Java, Indonesia</i>	Clarendon C Level 1 Chair: Alexandra Peralta
8.45 am - 10.15 am	Mini-symposium 5. Australian and international perspectives on emergency animal disease policy and economics: convenor Tim Capon, CSIRO	Clarendon D Level 1
8.45 am - 10.15 am	Mini-symposium 6. Evolving Alcohol Consumption Patterns. Convenor Kym Anderson	Clarendon E Level 1
8.45 am - 10.15 am	Contributed Paper Session 3 Theme: Choice 1) Iain Fraser <i>Preference Reversals in Discrete Choice Experiments. Inattention or Preference Uncertainty? Some Evidence Using Eyetracking.</i> 2) Henning Schaak and Oliver Mußhoff <i>Public preferences for livestock presence in pasture landscapes – Results of a discrete choice experiment in Germany</i> 3) Victoria Graham, Christopher Fleming and Jim Smart <i>Preferences for the future of the Southport Spit: Evidence from a choice experiment</i> 4) Mark Tocock, Darla Hatton MacDonald, Antonio Borriello, John Rose, Dugald Tinch and Elisavet Spanou <i>Valuing Coastal Water Quality: A Hybrid Choice Model</i>	Clarendon F Level 1 Chair: Robert Gillespie

8.45 am - 10.15 am	<p>Contributed Paper Session 3 Theme: Food, transport and trade</p> <ol style="list-style-type: none"> 1) Bijay Chaudhary, L. Emilio Morales and Renato Villano <i>Rice Price Transmission between Wholesalers and Retailers in the Philippines: Are Prices Integrated in Local Markets?</i> 2) Tamás Mizik <i>Corn-based ethanol – bless or curse?</i> 3) Michael Smith, Rukman Wimalasuriya and Don Gunasekera <i>Better transport connectivity in ASEAN: impacts on commodity trade</i> 4) Alfinura Sharafeyeva <i>Impact of trade costs on agrifood exports in Central Asia</i> 	<p>Clarendon G Ground Floor</p> <p>Chair: Richard Culas</p>
8.45 am - 10.15 am	<p>Contributed Paper Session 3 Theme: Rivers</p> <ol style="list-style-type: none"> 1) Xinghua Liu, Qiang Li and Satish Chand <i>Effects of air quality on housing prices: evidence from China's Huai River policy</i> 2) Patrick Walsh and Thomas Robertson <i>Flood Mitigation Schemes: Distributional Implications and Analysis</i> 3) Tom Nordblom, Tim Hutchings, Sosheel Godfrey and Cassandra Scheff <i>Economic and Financial Analysis of Site-Specific N Applications (SSNA) in the Riverine Plains Region</i> 4) Michael Harris, Lachlan Mitchell and Tiho Ancev <i>Hunter River Salinity Trading Scheme: Lessons learnt after fifteen years of operation</i> 	<p>Clarendon A Level 4</p> <p>Chair: Bethany Cooper</p>
8.45 am - 10.15 am	<p>Contributed Paper Session 3 Theme: Food</p> <ol style="list-style-type: none"> 1) Jesmin Rupa, Wendy Umberger and Di Zeng <i>Understanding food westernization and the contemporary drivers of nutritional diet in urban Vietnam: Results from 24-hour food diaries</i> 2) Tian Jihadhan Wankar, L. Emilio Morales, Garry Griffith, Ali Agus, Yudi Guntara and Budi Guntoro <i>Selling differentiated Nusa Tenggara Barat (NTB) beef in selected urban markets in Indonesia</i> 3) Jon Marx Sarmiento, Maria Fay Rola-Rubzen, James J. Fogarty, Larry N. Digal, Ivi Jaqueline T. Astronomo and Carol Q. Balgos <i>Contract farming and technical efficiency of Cavendish banana producers in the Philippines</i> 4) Derek Baker, Masood Azeem, Stuart Munter, Renato Villano and Garry Griffith <i>Food Shoppers' Experience of Supermarket Entry in a Small Regional City: The Case of Aldi in Armidale NSW</i> 	<p>Clarendon B Level 4</p> <p>Chair: Derek Baker</p>
8.45 am - 10.15 am	<p>Mini-symposium 7. China's 40 years of agricultural development and reforms (session 1): convenor Yu Sheng</p>	<p>Clarendon Level 4</p>
10.15 am – 11.00 am	<p>Morning Tea + Poster session</p>	<p>outside Clarendon Rooms</p>

11.00 am – 12.30 pm	Min-Symposia 9 and 10 Contributed Papers Session 4	
11.00 am – 12.30 pm	<p>Contributed Paper Session 4 Theme: Food</p> <ol style="list-style-type: none"> 1) Meizal Popat, Garry Griffith, Oscar Cacho and Stuart Mounter <i>The cost of food waste: the case of the maize sector in Mozambique</i> 2) Risti Permani <i>Pricing-to-market Analysis and ‘FTA-induced Asymmetries’: The Case of Australian Dairy Exports</i> 3) Yue Zhang, Derek Baker, Emilio Morales, Garry Griffith and Nam Hoang <i>The value of product quality information: a comparison across multiple stages of Australian red meat supply chains</i> 4) Emily Dahl <i>Factors Affecting Agricultural Technology Adoption: Evidence from Ethiopia</i> 	<p>Clarendon C Level 1</p> <p>Chair: Garry Griffith</p>
11.00 am – 12.30 pm	<p>Contributed Paper Session 4 Theme: Natural resource management</p> <ol style="list-style-type: none"> 1) Jeffrey LaFance, Jay Shimshack and Myles Watts <i>High Fines for Misdemeanors: Robust Public Natural Resource Management Mechanisms</i> 2) Sitti Rahma Ma'Mun, Michael Young and Adam Loch <i>Using Ostrom’s Design Principles to assess the robustness of institutions of common pool resources: A global comparison of fifty irrigation management systems</i> 3) Constantin Seidl, Sarah Wheeler, Alec Zuo and Adam Loch <i>Not just money: drivers of farm adaptation by southern Murray-Darling Basin irrigators</i> 4) Hanan Shukr, Keith Pembleton, Andrew Zull and Geoff Cockfield <i>Can deficit irrigation practices increase cotton yields and profits for the in Australian irrigated cotton industry?</i> 	<p>Clarendon E Level 1</p> <p>Chair: Alex Sinnott</p>
11.00 am – 12.30 pm	<p>Contributed Paper Session 4 Theme: Pest and disease management</p> <ol style="list-style-type: none"> 1) Ben White and Cheryl Day <i>Real Options for Cereal Breeding for Pest Resistance: How Ready Should We Be?</i> 2) Tim Capon <i>Outbreak simulations and economic analysis of alternative response strategies for Foot-and-Mouth Disease</i> 3) Ann Seitzinger and Philip Paarlberg <i>Re-examining Consumer Surplus Gains during Livestock Disease Export Embargoes</i> 4) Walter Okelo, Paul Mwebaze and Stuart Whitten <i>Designing and establishing dynamic antimicrobial resistance surveillance systems in food animals using cost-effectiveness evaluation and scenario tree modelling</i> 	<p>Clarendon F Level 1</p> <p>Chair: Walter Okelo</p>

11.00 am – 12.30 pm	<p>Contributed Paper Session 4 Theme: Environmental management</p> <p>1) Jun Goto, Keisaku Higashida and Takahiro Matsui <i>Why Self-Governing Institutions Evolve and Collapse? Experimental Evidence from Common Pool Resource Games</i></p> <p>2) Orencio Duran, Robert Johnston, Matthew Kirwan, Anke Leroux and Vance Martin <i>Coastal Dynamics and Adaptation to Uncertain Sea Level Rise: Optimal Portfolios for Salt Marsh Migration</i></p> <p>3) Suzie Greenhalgh and Fraser Morgan <i>Incorporating ecosystem service approaches in participatory decision-making and land use modelling</i></p> <p>4) Nikki Dumbrell, David Adamson, Sarah Wheeler and Alec Zuo <i>Economics and the ‘social licence to operate’ for natural-resource-dependent industries</i></p>	Clarendon G Ground Floor Chair: Sarah Wheeler
11.00 am – 12.30 pm	<p>Mini-symposium 9. Can conservation auctions work when bidder costs, competition or outcomes are uncertain (part 1)? convenors John Rolfe (CQU) & Steve Schilizzi (UWA)</p>	Clarendon A Level 4
11.00 am – 12.30 pm	<p>Contributed Paper Session 4 Theme: Consumers</p> <p>1) Abdul Salam Mohamed Roshan <i>Consumer valuation of commodities certified under Sri Lanka Good Agriculture Practices (SL-GAP)</i></p> <p>2) Ou Wang and Simon Somogyi <i>Determinants for consumer food choice with the New Retail e-commerce mode</i></p> <p>3) Sheeraz Ahmad, L. Emilio Morales and Sujana Adapa <i>Consumer preferences and potential for differentiated tomatoes in Pakistan</i></p> <p>4) Matthew Wysel, Derek Baker and Lou Conway <i>Connecting researchers with customers through a common valuation of data.</i></p>	Clarendon B Level 4 Chair: Matthew Wysel
11.00 am – 12.30 pm	<p>Mini-symposium 10. China’s 40 years of agricultural development and reforms (session 2): convenor Songqing Jin</p>	Clarendon Level 4
12.30 pm - 1.30 pm	Lunch Wiley Publishing Session	outside Clarendon Rooms
12.30 pm - 1.00 pm	Wiley Publishing Session	Clarendon G Ground Floor
1.30 pm – 3.00 pm	Mini – Symposia 11 and 12 Contributed Papers Session 5	

1.30 pm – 3.00 pm	Contributed Paper Session 5 Theme: Fuel and Transition 1) Tong Zhang <i>The effect of fuel prices on traffic flows: Evidence from NSW, Australia</i> 2) Frank Jotzo and Salim Mazouz <i>Coal may exit quickly: an analysis of future trajectories for Australia’s electricity generation and retirement of coal fired plants</i> 3) Frank Jotzo, Salim Mazouz, Michael Grubb and Steve Pye <i>Solar PV support by Germany: a gift to the world</i>	Clarendon G Ground Floor Chair: Frank Jotzo
1.30 pm – 3.00 pm	Mini-symposium 11. Can conservation auctions work when bidder costs, competition or outcomes are uncertain (part 2)? convenors John Rolfe (CQU) & Steve Schilizzi (UWA)	Clarendon A Level 4
1.30 pm – 3.00 pm	Contributed Paper Session 5 Theme: Environment 1) Bethany Cooper, Michael Burton and Lin Crase <i>Prioritising Investments in Urban Waterways: Insights on the Relative Value of Amenity</i> 2) Jeremy De Valck and John Rolfe <i>Comparing biodiversity valuation approaches for the sustainable management of the Great Barrier Reef, Australia</i> 3) Karl Behrendt, Colin Brown and Guanghua Qiao <i>Payments for environmental services and the opportunity costs of Chinese herder compliance</i> 4) Guanghua Qiao, Bao Zhang, Scott Waldron, Colin Brown and Jing Zhang <i>Measuring Transaction Costs of Eco-compensation Schemes in China</i>	Clarendon B Level 4 Chair: Colin Brown
1.30 pm – 3.00 pm	Mini-symposium 12. China’s 40 years of agricultural development and reforms (session 3): convenor Chengfang Liu	Clarendon Level 4
3.00 pm – 3.30 pm	Afternoon Tea	outside Clarendon
3.30 pm - 4.15 pm	Keith Campbell Distinguished Lecture (Chair, John Rolfe) John Freebairn - Greenhouse Gas Emissions Policy	Plenary Clarendon A&B
4.30 pm - 5.30 pm	Annual General Meeting	Plenary Clarendon A&B
3.00pm – 5.30pm	<i>Reset to banquet set up for Early Career Professionals Event</i>	Clarendon D&E
5.30 pm - 7.30 pm	Early Career Professionals Event No Dinner	Clarendon D&E Level 1
6.30 pm – 8.30 pm	No organised social event Free night in Melbourne	

FRIDAY, 15 FEBRUARY 2019

Time	Session	Location
7.30 am - 8.00 am	Registration	
8.30 am - 10.00 am	Mini – Symposia 13, 14 and 15 Contributed Papers Session 6	
8.30 am - 10.00 am	<p>Contributed Paper Session 6 Theme: Water and coastal environment</p> <p>1) Yuan Chai, David Pannell, Philip Pardey and Terrance Hurley <i>Leveraging private incentives to deliver public benefits: water quality in the US</i></p> <p>2) Hemali Kanthilanka, R.J. Farquharson, T. Ramilan and J. Weerahewa <i>Conceptual Framework for Analysis of Water Pollution within Agricultural Watersheds</i></p> <p>3) Matthew Navarro, Atakelty Hailu, Marit Kragt, Tim Langlois and Karina Ryan <i>On-the-water recreational fishing site choice: Exploring target species substitution patterns and weather effects using a mixed error component logit</i></p> <p>4) Anthony Doucouliagos, Matthew Barnes, Simon Hone and Martijn Gough <i>Optimising beach management options under uncertainty</i></p>	<p>Clarendon C Level 1</p> <p>Chair: Anthony Doucouliagos</p>
8.30 am - 10.00 am	<p>Mini-symposium 13. Water management and agricultural performance in South Asia (part 1). Convenor Lin Crase</p>	Clarendon D Level 1
8.30 am - 10.00 am	<p>Contributed Paper Session 6 Theme: Agribusiness</p> <p>1) Ani Katchova and Ana Claudia Sant'Anna <i>Impact of ethanol plant location on corn revenues for U.S. farmers</i></p> <p>2) Sanjaya Fernando, Elena Garnevskaja, Thiagarajah Ramilan and Nicola Shadbolt <i>Impact of vertically integrated cooperatives on smallholder rice farmers in Sri Lanka</i></p> <p>3) Ulf Römer, Henning Schaak and Oliver Mußhoff <i>The perception of crop protection: Explicit vs. implicit association of the public and in agriculture</i></p> <p>4) Peter Tozer, Thomas Marsh and Jiehong Qiu <i>Assessment of Pest or Disease Outbreaks in the US Sweet Cherry Industry</i></p>	<p>Clarendon E Level 1</p> <p>Chair: Peter Tozer</p>

8.30 am - 10.00 am	<p>Contributed Paper Session 6 Theme: Women and families in agriculture</p> <ol style="list-style-type: none"> 1) Phassara Khamthara, Di Zeng, Randy Stringer and Abdul Muis Hasibuan <i>The impacts of risk and time preferences on off-farm income and child education investment: Evidence from Indonesian horticultural farmers</i> 2) Lucie Newsome, Alison Sheridan and Theresa Smith-Ruig <i>Producers of food and creators of social value: Women and alternative agriculture</i> 3) Xiaoshi Zhou, Wanglin Ma, Alan Renwick and Gucheng Li <i>How does off-farm work participation of farm couples affect household land transfer choices? An empirical investigation</i> 4) Isaac Koomson, Renato A. Villano and David Hadley <i>Financial literacy and Women's Empowerment Training for Rural Development: Evidence from a Randomised Control Trial</i> 	Clarendon F Level 1 Chair: Ellen Goddard
8.30 am - 10.00 am	<p>Contributed Paper Session 6 Theme: Willingness-to-pay</p> <ol style="list-style-type: none"> 1) Robert Johnston and Hermine Vedogbeton <i>Willingness to Pay for Salt Marsh Habitat Services: Commodity Consistent Meta-Analysis and Benefit Function Transfer</i> 2) Shuhei Nishitateno <i>Diesel vehicle replacement program in Japan: Effects on air quality, land prices and migration</i> 3) Addis Benyam, John Rolfe and Susan Kinnear <i>Valuing Willingness to Pay for a Domestic Food Waste Diversion Options</i> 4) Chi Hoong Leong and Jeff Bennett <i>Willingness-to-pay for construction noise abatement in Singapore: Evidence from a choice modelling survey</i> 	Clarendon G Level Ground Chair: Jeff Bennett
8.30 am - 10.00 am	Mini-symposium 14. Drought: convenor Glyn Wittwer	Clarendon A Level 4
8.30 am - 10.00 am	<p>Contributed Paper Session 6 Theme: Energy</p> <ol style="list-style-type: none"> 1) Jonathan Moss and Oscar Cacho <i>Merit in playing long? Are short-term carbon farming contracts always the best option?</i> 2) Alastair Fraser <i>Intensive and Extensive Margin Responses in Electricity Conservation: How Households Respond to Financial Rewards</i> 3) Jeremias Mate Balogh <i>The Determinants of Carbon Footprint: Role of Agriculture</i> 4) Rohan Best and Paul J. Burke <i>Long-term lock-in of fossil fuels: the carbon pricing key</i> 	Clarendon B Level 4 Chair: Rohan Best
8.30 am - 10.00 am	Mini-symposium 15. Natural capital on Australian farms: importance, implications and future steps (part 1). Convenor Stuart Whitten	Clarendon Level 4
10.00 am – 10.30 am	Morning Tea	outside Clarendon Rooms

10.30 am - 12.00 pm	Mini – Symposia 16 and 17 Contributed Papers Session 7	
10.30 am - 12.00 pm	Contributed Paper Session 7 Theme: Indonesia 1) Hery Toiba and Rachman Hartono <i>Food system transformation and its impact on smallholder farmers' income and food security in Indonesia</i> 2) Rida Akzar, Wendy Umberger and Alexandra Peralta <i>Adoption of multiple dairy farming technologies by the Indonesian smallholder dairy farmers: A latent class analysis approach</i> 3) Rob Cramb <i>Agricultural Development in Sarawak, Malaysian Borneo: A Forty Year Perspective</i> 4) Rus'An Nasrudin, Budy Resosudarmo, Satoshi Yamazaki and Wardis Girsang <i>Alternative livelihoods for household food security: Evidence from a small-island fishing community in Indonesia</i>	Clarendon C Level 1 Chair: Risti Permani
10.30 am - 12.00 pm	Mini-symposium 16. Water management and agricultural performance in South Asia (part 2). Convenor Lin Crase	Clarendon D Level 1
10.30 am - 12.00 pm	Contributed Paper Session 7 Theme: Miscellaneous 1) Shahzad Kouser, Shabbir Ahmad and John Steen <i>Farmers access to credit and its impacts on fertilizer demand in Pakistan</i> 2) Syed Hasan and Nasmun Ratna <i>Exchange rate, remittances and food consumption: evidence from Australia</i> 3) Sayed Iftekhhar, David Pannell and Jacob Hawkins <i>Costs of biodiversity offset activities in Australia: Current state of publicly available information</i>	Clarendon E Level 1 Chair: Jacob Hawkins
10.30 am - 12.00 pm	Contributed Paper Session 7 Theme: Food 1) Junpeng Li, Zhongchao Feng and Qinghua Wu <i>Research on the Path of Food Production Cost Saving Based on the Perspective of Public Products</i> 2) Seifeddine Ben Taieb and Kiyokazu Ujiie <i>Olive oil Brand loyalty among Japanese consumers: Scanner data analysis using the Dirichlet model</i> 3) Luis Emilio Morales and Angie Higuchi <i>Should We Spend on Quinoa or Other Foods? The Effect of Consumer Beliefs on Expenditure in Staple and Functional Foods</i>	Clarendon F Level 1 Chair: Emilio Morales
10.30 am - 12.00 pm	Contributed Paper Session 7 Theme: Quantitative methods 1) Michael Burton <i>Model invariance when estimating random parameters with categorical variables</i> 2) Hongyun Zheng and Gucheng Li <i>Misallocation and the Growth of Agricultural Output in China: 1978- 2015</i> 3) Shokhrukh Jalilov, Mohammed Mainuddin, Maniruzzaman, Mahbul Alam, Islam Towfiqul Islam and Erik Schmidt <i>Analysis of Efficiency in Rice Farms in Northwest Bangladesh: Application of Input and Output Oriented DEA models</i> 4) Rohan Nelson <i>The future of public sector forecasting in Australian agriculture</i>	Clarendon G Ground Floor Chair: Rohan Nelson

10.30 am - 12.00 pm	<p>Contributed Paper Session 7 Theme: Technology and management improvements</p> <ol style="list-style-type: none"> 1) Angie Higuchi, Rafaela Alfalla-Luque, Daniel Coq-Huelva, Ruth Arias-Gutierrez and Brandon Toledo Figueroa <i>Impact of a cocoa cooperative on the technical efficiency. What motivates a cocoa Peruvian farmer to select a marketing channel?</i> 2) Ummul Ruthbah <i>The Impact of System of Rice Intensification: Evidence from a large scale two-period randomized field experiments</i> 3) Duinkherjav Bukhbat, Enkh-Orchlon Lkhagvadorj, Jeff Bennett and Lkhagvadorj Dorjburegdaa <i>Estimating the value of improvements in the condition of Mongolian grassland</i> 4) Enkh-Orchlon Lkhagvadorj, Duinkherjav Bukhbat, Lkhagvadorj Dorjburegdaa and Jeff Bennett <i>Herders' preference for different</i> 	Clarendon B Level 4 Chair: Bill Malcolm
10.30 am - 12.00 pm	Mini-symposium 17. Natural capital on Australian farms: importance, implications and future steps (part 2). Convenor Stuart Whitten	Clarendon Level 4
12.00 pm - 1.00 pm	Lunch 3MT competition	Lunch outside Clarendon Rooms
12.30 pm – 1.00 pm	3MT competition	Clarendon C Level 1
1.00 pm – 2.00 pm	Contributed Papers Session 8	
1.00 pm - 2.00 pm	<p>Contributed Paper Session 8 Theme: Livestock</p> <ol style="list-style-type: none"> 1) Elham Shokri, Peter Tozer, Sue Cassells, David Gray and Nicola Shadbolt <i>Exploring the resilience of New Zealand dairy farms in the face of policy and economic volatility</i> 2) Sosheel Godfrey, Thomas Nordblom, Ryan Ip, Susan Robertson and Timothy Hutchings <i>Merino Sheep risk profiles by GrassGro with variable prices & weather</i> 3) Lydia Farrell, Peter Tozer, Lydia Cranston, Paul Kenyon and Thiagarajah Ramilan <i>The effect of ewe wastage in New Zealand sheep and beef farms on flock productivity and farm profitability.</i> 	Clarendon C Level 1 Chair: Lydia Farrell
1.00 pm – 2.00 pm	<p>Contributed Paper Session 8 Theme: Miscellaneous 1</p> <ol style="list-style-type: none"> 1) Peggy Schrobback and Cristyn Meath <i>Sustainability governance of ports in Australia and New Zealand</i> 2) Shujie Yao and Jiefei Wang <i>Poverty Alleviation via Wisdom and Motivation Improvement: An empirical study of poverty stricken minority areas in China</i> 	Clarendon Level 4 Chair: Glyn Wittwer

1.00 pm – 2.00 pm	<p>Contributed Paper Session 8 Theme: Miscellaneous 2</p> <p>1) Johanna Zimmerhackel, Mark Meekan and Marit Kragt <i>The past, present and future benefits of shark-diving tourism in Semporna, Malaysia</i></p> <p>2) Sandra Cortés Acosta, Suzi Kerr, Dave Frame and Carwyn Jones <i>Land-use/cover Transitions in Aotearoa New Zealand: Do Māori Land Governance Structures Make a Difference?</i></p> <p>3) Patrick Walsh <i>Protecting Kiwis from Dogs: Testing Information Campaign Effectiveness using a Randomised Control Trial</i></p>	Clarendon F Level 1 Chair: Patrick Walsh
1.00 pm – 2.00 pm	<p>Contributed Paper Session 8 Theme: Land allocation</p> <p>1) Tonglong Zhang <i>The evolution of farmland inequality in China : facts and mechanism. An Empirical study based on a nationally representative survey</i></p> <p>2) Lin Crase, Bethany Cooper and Michael Burton <i>Adaptive management of adaptive management: What to do when the public struggle to engage with seemingly important resource management concepts?</i></p> <p>3) Martin Odening, Silke Huettel, Matthias Ritter and Stefan Seifert <i>Revisiting the relationship between land price and parcel size.</i></p>	Clarendon G Ground Floor Chair: Gavan Dwyer
2.05 pm - 3.30 pm	Invited papers Session C and D	
2.05 pm - 3.30 pm	<p>Invited Papers Session C – Environment</p> <p>1. James Sanchirico: <i>Tradable Permit Programs</i></p> <p>2. Nick Hanley: <i>Environment agriculture nexus</i></p>	Clarendon A&B Level 4
2.05 pm - 3.30 pm	<p>Invited Papers Session D – Agriculture</p> <p>1. David Zilberman: <i>Agricultural Economics and Technology Transition</i></p> <p>2. Richard Heath: <i>Policy Challenges in Australian Agriculture</i></p>	Clarendon D&E Level 1
3.30 pm - 4.00 pm	<p>Conference close and awards</p> <p>Chair – Professor John Rolfe</p>	Plenary Clarendon A&B Level 4
3.45 pm - 4.30 pm	Afternoon Tea	outside Clarendon Rooms
4.30 pm - 6.00 pm	<p>AARES Incoming Council Meeting</p> <p>Chair – Professor John Rolfe</p>	Clarendon F Level 1