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Australian Agricultural and Resource Economics Society, Inc.

# AARES Conference 2005

**49th AARES Conference**
**Coffs Harbour, NSW, 9-11 February 2005**

## Plenary and Invited Papers

Below is a list of invited papers which are available on the AgEcon Search website.

## Opening Plenary

| | |
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| **Wendy Craik, *Murray-Darling Basin Commission*** | Water policy challenges in the Murray-Darling Basin |

## Presidential Address

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| **Jeff Bennett, *Australian National University*** | Australian Environmental Economics: Contributions, conflicts and cop-outs |

## Distinguished Fellows Address

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| **John Antle, *Montana State University, USA*** | Modelling agriculture-environment interactions in production systems |

## Invited Speaker Session on "Market Power in the Food Chain"

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| **Ron Cotterill, *University of Connecticut, USA*** | Antitrust analysis of supermarket retailing: common global concerns that play out in local markets |
| **Rhonda Smith, *University of Melbourne*** | The Australian grocery industry: a competition perspective |
| **David Round, *University of South Australia*** | *Discussant* |

## Invited Speaker Session on "Non-Tariff Trade Barriers"

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| **Kym Anderson, *World Bank*** | Biotechnology, international trade and policy |
| **Tim Josling, *Stanford University, USA*** | Geographic indicators, international trade and policy |
| **Alan Swinbank, *University of Reading, UK*** | *Discussant* |

## Invited Speaker Session on "State-Contingent Technologies"

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| **John Quiggin, *University of Queensland*** | Production under uncertainty: the state-contingent approach |
| **Chris O'Donnell, *University of Queensland*** | Estimating state-contingent production frontiers |
| **Ron Mittelhammer, *Washington State University, USA*** | *Discussant* |

## Invited Speaker Session on "Experimental Economics"

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| **Charlie Plott, *California Institute of Technology*** | New technologies to deal with old problems: An example from aquaculture |
| **Vivek Chaudhri, *Monash University*** | *Discussant* |

# Contributed Papers

Below is a list of contributed papers (in alphabetical order by authors surname), with links to those available online (in PDF format unless otherwise noted).

| | |
|---|---|
| **Ali Abdalla and Terry Sheales** | Approximating supply response of a commodity with limited input data: The case of Australian bananas |
| **David Adamson, John Quiggin, and Thilak Mallawaarachichi** | Modelling basin level allocation of water in the Murray Darling Basin in a world of Uncertainty |
| **Khorshed Alam** | Valuing the environment in developing countries: Problems and potentials |
| **Parakrama Aluwihare, Randall Jones, and Rebecca Letcher** | The farm level impacts of water sharing plans in the Namoi Valley: A stochastic dynamic programming analysis |
| **Tihomir Ancev and Inakwu Odeh** | Use of Spatially Referenced Data in Agricultural Economics Research |
| **George Antony, Z. Jiao, and Frank Sestak** | Industry Transition and Sugarcane Famr Households in Maryborough |
| **Walter J. Armbruster and William T. Coyle** | Transportation infrastructure and the Asia-Pacific food system |
| **Shaun Awatere** | Can non-market valuation measure indigenous knowledge? |
| **Rodney Beard and Stuart McDonald** | Dynamic Recontracting of Water Rights |

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| **Stephen Beare and Jonathan Newby** | Incomplete markets, excluded goods and natural resource management |
| **Donna Brennan** | Modelling agricultural supply response in Vietnam using a GIS and positive mathematical programming |
| **John P. Brennan, Ata Rehman, Harsh Raman, Andrew W. Milgate, Denise Pleming, and Peter J. Martin** | An economic assessment of the value of molecular markers in plant breeding programs |
| **Michael P. Cameron, John Gibson, Kent Helmers, Steven Lim, Frank Scrimgeour, John Tressler, and Kien Vaddanak** | Value of Life and Measuring the Benefits of Landmine Clearance in Cambodia |
| **Kay Cao, John Gibson, and Frank G. Scrimgeour** | An Experimental Approach to Estimating Willingness-to-Pay for Improvements in Food Safety (Campylobacter in Chicken Products) |
| **Diana Chalil and Fredoun Ahmadi-Esfahani** | Modelling market power in the Indonesian palm oil industry |
| **Adam Chambers, Melissa Bright, and Giles Forward** | Wind Erosion in SA - An Economic perspective |
| **Ming Ming Chan, Qun Shi, and Rod Tyers** | Global Demographic Change and Economic Performance: Implications for Agricultural Markets |
| **Yaovarate Chaovanapoonphol, George E. Battese, and Hui-Shung (Christie) Chang** | The Impact of Rural Financial Services on the Technical Efficiency of Rice Farmers in the Upper North of Thailand |
| **Amy Cheung and Tihomir Ancev** | Economics of Weather Risk Management Using Climate Prediction Models |
| **Anne Cole and Jane Harris** | Rising interest in credence qualities in agricultural products and the role for government |
| **Kristy Dalton, James McKee, Warwick Moss, and Lyn Pullen** | From devolved grants... to babysitting. Broadening the horizon of incentives |
| **Tim Davis and Fredoun Ahmadi-Esfahani** | Hedonic Modelling for Australian Wine |
| **Israel del Mundo and Ian Wills** | The Economics of the Mandatory Renewable Energy Target (MRET) |
| **Graeme Doole and Robert Alexander** | Importance of user cost to the optimal management of multiple-cohort fish populations |
| **Brenda Dyack, Jeff Connor, and Darla Hatton MacDonald** | Screening options and setting priorities for River Murray floodplains |
| **Miriam East** | Issues of Geographical Basis Risk in Weather Derivatives for Australian Wheat Farmers |
| **Geoff Edwards** | Demand Management for Melbourne's Water |
| **Bob Farquharson, Oscar Cacho, and John Mullen** | An economic approach to soil fertility management for wheat production in New South Wales and Queensland |
| **Alberto Gabriele and David Vanzetti** | Long Black: Surviving the coffee crisis |
| **Tesfaye Gebremedhin and** | Prices and poverty in urban Ethiopia |

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| **Stephen Whelan** | |
| **Emily Gray and Fredoun Ahmadi-Esfahani** | Simulating Economic Values of a Genetic Improvement Program for Australian Farmed Saltwater Crocodiles |
| **Romy Greiner, Silva Larson, Alexander Herr, and Victor Bligh** | Wellbeing of traditional owners: conceptual and methodological approach |
| **Arthur Ha, Gary Stoneham, Jane Harris, Bill Fisher, and Loris Strappazzon** | Incentives, information and drought policy |
| **J. Brian Hardaker and Gudbrand Lien** | Towards some principles for good practice for decision analysis in agriculture |
| **Nazrul Islam** | Economy-wide impact of a decline in live-sheep exports: a CGE analysis |
| **Nazrul Islam and Mohammad Quaddus** | An appraisal of uncertainties in the Western Australian wine industry supply chain |
| **Randall Jones** | Sustainability and integrated weed management in Australian winter cropping systems: a bioeconomic analysis |
| **William Kaye-Blake, Caroline Saunders, and John Fairweather** | Optimal uptake of second-generation genetically-modified crops |
| **Hanho Kim and Jae-Kyung Kim** | Estimation of the Knowledge Spillover Effects Between Firms in Bio-Related Industries |
| **Emma Kopke, Ross Kingwell, and John Young** | A farm-level economic assessment of the Australian Merino, Dohne Merino, and South African Meat Merino sheep breeds in southern Australia |
| **Daniel McDonald, Roneel Nair, Gil Rodriguez, and Benjamin Buetre** | Trade flows between Australia and China: An opportunity for a free trade agreement |
| **Dragan Miljkovic and Hyun J. Jin** | Import Demand for Quality in Japanese Beef Markets |
| **Ian Morrison** | Enrolment Trends in Canadian Faculties of Agriculture |
| **Mark Morrison** | Identifying Market Segments for Technology Adoption |
| **Mark Neal, Ross Drynan, Bill Fulkerson, Gil Levy, Meryl Wastney, Elizabeth Post, Bruce Thorrold, Chris Palliser, Pierre Beukes, and Chris Folkers** | Optimisation of a whole farm model |
| **Eric Omuru and Ross Kingwell** | Funding and Managing Agricultural Research in a Developing Country: a Papua New Guinea case study |
| **David J. Pannell** | Some issues of confusion or controversy in microeconomics (HTML) |
| **Greg Parkinson, Stephen Corcoran, and Richard Rawnsley** | Evaluating logistics chain technology - Australian farmgate to port |
| **Liz Petersen, Caroline Lever, Steven Schilizzi, and Greg Hertzler** | Developing Sustainable Aquaculture Systems in Vietnam |
| **Liz Petersen, Geoff Muldoon,** | Finding Nemo: Estimating Import Demand for Live Reef Food Fish |

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| **and Bill Johnston** | |
| **M. Ejaz Qureshi, Jeff Connor, Mac Kirby, and Mohammed Mainuddin** | Integrated assessment and management of stochastic water resources in the Murray Darling Basin |
| **Glenn Ronan, Evelyn Sinnadurai, and Philip Taylor** | Towards a Template for Benchmarking the International Competitiveness of Australia's Agri-Food Industries PDF Paper 1 PDF Paper 2 |
| **Caroline Saunders and Martin Emanuelsson** | Modelling the implications for New Zealand trade and producer returns from different scenarios relating to the demand and supply of organic products |
| **Steven Schilizzi and Uwe Latacz-Lohmann** | Can a simple model predict complex bidding behaviour? Repeated multi-unit conservation auctions |
| **Luke T. Silvester and David T. Vere** | Economic Evaluations of Production Technologies in the Australian Sheep Industry |
| **Phil Simmons** | Perspectives on the 2003 and 2004 Avian Influenza Outbreak in Bali & Lombok |
| **Yuki Takatsuka, Ross Cullen, Matthew Wilson, and Steve Wratten** | Using Choice Modeling to Value Ecosystem Services on Arable Land |
| **Peter R. Tozer** | Depreciation Rates for Australian Tractors and Headers - Is Machinery Depreciation a Fixed or Variable Cost? |
| **Lindsay N. Trapnell, Kieran P. Ransom, Jeff R. Hirth, Riad Naji, Tim S.R. Clune, Michael C. Crawford, Ron H. Harris, James Whale, and K.F. Wilson** | Net Benefits from Investing in Lucerne (Medicago sativa) Phase Farming Systems in the Mixed Farming Zone of Northern Victoria |
| **Tessie Tumaneng-Diete, Ashley Page, and Jim Binney** | Assessing the economic values of exotic invasive plants on areas of conservation significance in Queensland |
| **Georgina Usher and Jeff Bennett** | Private Sector Conservation Enterprises in Australia |
| **Tyron J. Venn** | Commercial Forestry: An Economic Development Opportunity Consistent with the Property Rights of Wik People to Natural Resources |
| **George Verikios** | A model of the world wool market |
| **Renato Villano, Marilou Lucas, and Sushil Pandey** | An analysis of scope economics and technical efficiency in intensive rainfed lowland rice-based cropping systems in northwest Luzon, Phillipines |
| **Peter Warr** | Food policy and poverty: A general equilibrium analysis for Indonesia |
| **Jill Windle, John Rolfe, Stuart Whitten, Khorshed Alam, and Deborah Street** | Using choice modelling to establish the supply of riparian services and the potential for a water quality trading scheme in central Queensland |
| **Jill Windle, John Rolfe, Stuart Whitten, and Juliana McCosker** | A competitive bidding process with landholder cooperation for landscape linkage |
| **Mitoshi Yamaguchi and M.S. SriGowri Sanker** | Growth Accounting for Sri Lanka's Agriculture with special reference to Fertilizer and Non-Agriculture Prices: Does Policy Reforms Affect Agriculture Development? |

# Pre-conference Workshops

## Salinity

Speakers:

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|---|---|
| **Graeme J. Doole and David J. Pannell, *University of Western Australia*** | Optimal Land Management with Multiple Crops |
| **Helena Clayton, *University of Western Australia*** | Market incentives for biodiversity conservation in a saline-affected landscape: farmer response and feedback |
| **Tennille Graham, *University of Western Australia*** | Market incentives for biodiversity conservation in a saline-affected landscape: farmer response and feedback |
| **Shamsuzzaman Bhuiyan, *University of Western Australia*** | Policy Options for Dryland Salinity Management: An Agent-Based Model for Catchment Level Analysis |
| **Sallyann Harvey, *University of Western Australia*** | Using contracts to mitigate salinity: an analysis of voluntary cost-sharing agreements |
| **Charlotte Duke and Lata Gangadharan, *University of Melbourne*** | Regulation in Environmental Markets: What can we learn from Experiments to Reduce Salinity? |

## Trade Policy Reform and Agriculture: Prospects, Strategies, Implications

Speakers:

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| **Ralf Peters and David Vanzetti, *UNCTAD*** | Shifting sands: Searching for a compromise on the WTO negotiations on agriculture |