

Asia Pacific Productivity Conference (APPC) 2025

26-28 November 2025

Sir Llew Edwards Building, St Lucia Campus, The University of Queensland

Day 1 – Wednesday 26 November

8:45am Registration, Sir Llew Edwards Building

9:00 - 10:30 Session 1: Opening

- 8:55 – 9:00 Opening and Welcome Remarks by the Head of the School of Economics Professor **Daniel Zizzo**
- 9:00 – 10:30 “A brief history of the Centre for Efficiency and Productivity Analysis”, **Prasada Rao** (The University of Queensland)

10:30 – 11:00 Coffee break

11:00 – 12:30 Session 2: Productivity and Efficiency I

- 11:00 – 11:30 “Drivers of Productivity in the Australian States: A Comparative Analysis”, **Ayasha Akter** (Office of South Australian Productivity Commission)
- 11:30 – 12:00 “A Nonparametric Approach to the Measurement of Aggregate Markups and Productivity”, **W Erwin Diewert** (The University of British Columbia)
- 12:00 – 12:30 “Disability and Workers' Productivities in Australia: Facts, Measurements and Estimates”, **Man Hin Chio** (The Australian National University)

12:30 – 13:30 Lunch

13:30 – 15:00 Session 3: Productivity and Efficiency II

- 13:30 – 14:00 “Climate Constraints and Technological Stagnation: A Proper-Index Analysis of Productivity Growth in a Pasture-Based Dairy Sector”, **Mario Fernandez** (DairyNZ)
- 14:00 – 14:30 “Prices, Purchasing Power Parity, Preferences and Poverty”, **Russel Cooper**
- 14:30 – 15:00 “Carbon in the Crowd: Industrial Clusters and Productivity Performance of the Indian Manufacturing Sector”, **Himja Sharma** (Birla Institute of Technology and Science Pilani)

15:00 – 15:30 Coffee break

15:30 – 17:00 Session 4: Productivity and Efficiency I

- 15:30 – 16:00 “Environmental Regulation and Labor Efficiency”, **Moriah Bostian** (Lewis & Clark College)
- 16:00 – 16:30 “Carbon Mitigation Cost with Market Distortions: Evidence from Power Plants in China”, **Chunbo Ma** (The University of Western Australia)
- 16:30 – 17:00 “The Impact of Government Environmental Regulation on Carbon Emission Efficiency and Shadow Prices - Evidence from China”, **Shanxin Mao** (The University of Auckland)

17:00 – 17:30 Break

17:30 – 19:30 Welcome Reception, UQ Art Museum, UQ St Lucia

Day 2 – Thursday 27 November

9:00 - 10:30 Session 5: Productivity of the Australian Economy (Chair: Professor **Alicia Rambaldi**)

- 9:00 – 9:45 “Opportunities to Improve Productivity in the Queensland Construction Industry”, **Karen Hooper** (Queensland Productivity Commission)
- 9:45 – 10:15 “Measuring Productivity: Building Blocks, Consistency and Challenges”, **Christopher O'Donnell** (The University of Queensland)
- 10:15 – 10:30 Questions and Discussion.

10:30 – 11:00 Coffee break

11:00 – 12:30 Session 6: SFA

- 11:00 – 11:30 “GMM Estimation of Fixed Effects Stochastic Frontier Models without Distributional Assumptions on Inefficiency”, **Kai Du** (University of Wollongong)
- 11:30 – 12:00 “Indirect inference in Panel Stochastic Frontier Model with Endogenous Switching and Endogenous Inputs”, **Hung-pin Lai** (National Chung Cheng University)
- 12:00 – 12:30 “Structural estimation of production functions under latent output constraints”, **Luis Orea** (University of Oviedo)

12:30 – 13:30 Lunch

13:30 – 15:00 Session 7: DEA I

- 13:30 – 14:00 “Using Multi-Activity Data Envelopment Analysis with Assurance Region to Evaluate the Advertising Performance of Social Media”, **Li-Hsueh Chen** (Fo Guang University)
- 14:00 – 14:30 “Slacks-Based Models Revisited: Geometry, Feasibility, and a Primal–Dual Integration of SBM and Super-SBM”, **Maryam Hasannasab** (The University of Auckland)
- 14:30 – 15:00 “Performance evaluation for urban water supply and wastewater treatment in China: A dynamic mixed network data envelopment analysis”, **Bo Hsiao** (National Yunlin University of Science and Technology)

15:00 – 15:30 Coffee break

15:30 – 17:00 Session 8: DEA II

- 15:30 – 16:00 “Analysis of sustainable performance of bus transportation with the pyramid DEA model”, **Chao-Tzung Kang** (Providence University)
- 16:00 – 16:30 “A new group performance index based on DDF in presence of nonpositive data”, **Hsuan-Shih Lee** (Ming Chuan University/National Taiwan Ocean University)
- 16:30 – 17:00 “Quantifying Irrigation Trade-offs through a Directional Distance Function Approach in the San Salvador Basin, Uruguay”, **Akash Gokhale** (The University of Sydney)

17:00 – 17:15 Break

18:00 – 21:00 Conference Dinner, Patina at Alumni Court UQ St Lucia

Day 3 – Friday 28 November

9:00 - 10:30 Session 9: Productivity and Efficiency III

- 9:00 – 9:30 “Automation and Technical Efficiency: A Framework for Assessing the Role of Industrial Robots in Indian Manufacturing”, **Komal Dutta** (Indian Institute of Technology Kharagpur)
- 9:30 – 10:00 “ICT Imports from China and Carbon Efficiency in Africa: Thresholds and Mediation Insights”, **Rockson Sai** (Guangzhou University)
- 10:00 – 10:30 “From Capital to Capability: Decomposing Vietnam’s Productivity Transformation through Technology and Innovation (2016–2023)”, **Hien Pham** (CSIRO)

10:30 – 11:00 Coffee break

11:00 – 12:30 Session 10: Finance and Welfare

- 11:00 – 11:30 “Beyond Zero Rates: Measuring Regional Bank Loan Efficiency in Post-Hike Japan”, **Hirohisa Shimura** (Soka University)
- 11:30 – 12:00 “Assessing the Dynamic Volatility of Social Welfare in the European Sports Industry” **Pin-Hsuan Sung** (National Taiwan Normal University)
- 12:00 – 12:30 “Regional Disparities in India: Evidence of Uneven Development in Karnataka” **Mohammed Thondikkodan** (Krea University)

12:30 – 13:30 Lunch

13:30 – 15:00 Session 11: Closing

- 13:30 – 14:00 “Estimation and Inference for Aggregate Productivity and Efficiency Measures: Brief Overview and Reminiscences”, **Valentin Zelenyuk** (The University of Queensland)
- 14:00 – 14:30 “Performance and Prospects for Asia in the World Economy: Evidence from Last Fifty Years”, **Prasada Rao** (University of Queensland)
- 14:30 – 15:00 “Homothetic Data Generated Production Metatechnologies”, **Antonio Peyrache** (The University of Queensland)
- 15:00 – 15:30 Closing remarks, **Antonio Peyrache**

For any queries, please contact cepa@uq.edu.au or econ.engagement@uq.edu.au.