



# THE AUSTRALIAN KEY CENTRE IN TRANSPORT MANAGEMENT

## Annual Report 2013

This Key Centre is a joint venture between:



THE UNIVERSITY OF  
**SYDNEY**



**MONASH** University  
Engineering

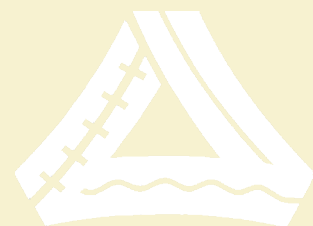


**THE AUSTRALIAN KEY CENTRE IN  
TRANSPORT MANAGEMENT**

**ANNUAL REPORT 2013**

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## THE KEY CENTRE

The **Commonwealth Key Centre of Teaching and Research in Transport Management** is a joint venture between the Institute of Transport and Logistics Studies in the University of Sydney Business School (ITLS-Sydney) and the Institute of Transport Studies in the Department of Civil Engineering at Monash University, Melbourne (ITS-Monash). The Key Centre was established in 1995; for 17 years the Australian federal government has continued to recognise it as a centre of excellence in teaching and research in all areas of transport management including supply chain management, transport economics, transport engineering, transport planning, and transport modelling.

### OUR CONSTITUTION

The primary object of the Key Centre is to undertake graduate teaching, executive programs, grant and contract research and development in the fields of transport and supply chain management studies. The work of the Key Centre also has the following objectives:

- To provide a focus for University work in areas of transport and logistics management and to establish an ambience attractive to those committed to excellence in graduate transport and logistics management programs and research.
- To collaborate, to the fullest extent possible, with other parties having an interest in transport and logistics management studies and its applications.
- To offer specialised training courses, workshops, short courses and seminars on topics of interest in the area of transport and logistics management.
- To seed the development, in Australia, of innovative ideas in transport and logistics policy and professional practice in which the Key Centre plays a role.

These objectives are achieved by the Key Centre through:-

- developing and offering graduate transport and logistics management programs, industry programs, certificates, executive programs and short courses;
- bringing high quality transport and logistics management programs to people outside Sydney and Melbourne (both nationally and globally), as well as widening the offerings of courses within Melbourne and Sydney, through access to courses provided by both ITLS-Sydney and ITS-Monash;
- contributing to Australia's growing participation in the Asia Pacific region in a leadership role in transport and logistics management;
- widening the range of courses available for middle level professional managers in critical areas of transport and logistics management not currently served;
- equipping managers in all disciplines (i.e. , engineering, economics, planning), the small business sector and local government to succeed in the face of technological, economic and institutional change;
- building on the recognised need for stronger links between education of engineers, planners, policy analysts and managers in transport and logistics management;
- undertaking research to develop state-of-the-art management practices and technical methods; and
- transferring the knowledge developed through research to client groups through the Key Centre's publications, workshops, conferences, seminars, and by participation in networks of transport and logistics stakeholders.

## DIRECTOR'S REPORT

2013 marks the 18th year since the establishment of the Key Centre. The individual nodes have a much longer independent history: the transport group at ITS-Monash celebrated their 40th anniversary in 2009 and ITLS-Sydney celebrated 21 years as an institute in 2012.

I congratulate Associate Professor Majid Sarvi as the new Director of ITS-Monash. Both nodes have continued to grow and consolidate their reputations in a vast array of areas of research and teaching associated with the broadening field of transport, logistics and supply chain management. It is rewarding to see the increasing success in winning ARC grants as well as active engagement with industry (both private and public sector) in a diverse set of research and training activities.

Key centre staff continue to be recognised for the contributions they make to industry and government sector activities and their active engagement with the broader community through events such as ITS-Monash's workshops on contemporary transport and traffic engineering topics and ITLS-Sydney's Leadership and Policy Seminar series and through their contributions to the print and broadcast media. Full details are set out in this Annual Report.

I thought I would use the 2013 report to talk more broadly about the future. We are in a field of endeavour that is growing in relevance as the global society seeks to find ways to make our cities and nations more sustainable, using the traditional definition of 'the quality of not being harmful to the environment or depleting natural resources, and thereby supporting long-term ecological balance'. This gives the Key Centre a growing number of relevant themes to work on in research and in the classroom such as traffic congestion, emissions, alternative cleaner energy sources, healthy living, active transport modes, happiness and wellbeing linked to the stress of mobility, and the patterns of life that are often dictated by where one lives and works and the challenges in travelling. These themes cross many boundaries to impact on the performance of individuals, households, and even organisations that incur ever increasing costs and productivity loss due to traffic congestion and its impact of distribution of goods and services.

The Key Centre is now well placed to be a major player nationally and globally in providing an intellectual overlay to the debate on societal priorities that can guide the future prosperity and well being of societies. While we see our broad role as engaging at all levels of inquiry, be they the very practical studies to assist government and industry, be it at the strategic, tactical or operations levels, we must not lose sight of our more 'purer' academic ideals of informing the debate in ways that are not constrained by political or commercial interest. This is often a delicate balance, but if we are to make a difference then our role must be one of moving the boundary of debate and decision making rather than reinforcing prejudices and biases that so often result in decisions that are not in the long term interest of a society that we so aspire to be part of.

Finally, I would like to acknowledge the commitment and dedication of Adjunct Professor John Stanley and Dr Alastair Stone in chairing our Boards of Advice. These Boards continue to provide important advice and direction to the Key Centre. Our success is also, in no small measure, due to the extraordinary support we enjoy from Professor Edwina Cornish (Deputy Vice-Chancellor (Research), Monash University) and Professors Tyrone Carlin and David Grant (Acting Co-Deans, University of Sydney Business School). It continues to be my very great pleasure to serve as the Director of the Key Centre. The working environment brings a great deal of joy to me, overwhelmingly due to the team we have. A special thanks to all Key Centre staff.



**Professor David A. Hensher FASSA**  
*Founding Director, Key Centre*



## HIGHLIGHTS OF 2013

### NEW DIRECTOR FOR ITS-MONASH



Associate Professor Majid Sarvi was announced as the new director of ITS-Monash in February 2013. He has more than 18 years of experience in transport and traffic engineering where he worked in industry and university in several countries. He is well known for his pioneer work in crowd dynamic modelling and large network modelling and optimisation.

### OUTSTANDING ACHIEVEMENT AWARDS



Professor David Hensher (Director, ITLS-Sydney) was honoured with the 2013 SMART Premier Award for Excellence. The award, which is presented once every two years, recognises an individual's outstanding contribution to the profession of supply chain management in Australia. Described as the "Gold Logie in Supply Chain Management", it is the most prestigious industry award in that field. The SMART Awards Committee is chaired by Allan A. Murray CSM, who on presenting the award stated: *"our award recipient for 2013 conducted research at Oxford University in the 1970s that remains influential today, founded Australia's key centre for teaching and research in transport management and now offers postgraduate qualifications to the industry, and is a significant contributor to public debate on transport management within NSW."*

Professor John Stanley (Adjunct Professor and Bus Industry Confederation Senior Research Fellow at ITLS-Sydney, Chair of ITS-Monash Advisory Committee) was the recipient of the Bus Industry's 2013



Outstanding Achievement Award. This is the top award among the four that the industry presents each year and recognises John's outstanding contribution to the transport sector over four decades and to the bus sector over the last two.

### CHINA SUCCESS STORY

The first cohort of Monash-South Eastern University (China) Masters of Transport students graduated in 2013. The class was awarded the University Best Class Award as well as the Jiangsu Province Best Class Award. This demonstrates the quality of ITS-Monash education program in China. ITS-Monash is keen to expand its research collaboration with South-Eastern University through increasing number of research fellows and PhD students based in China. ITLS-Sydney also enjoyed continued success with its programs in China, with increased enrolments in, and excellent feedback from, its retail and reverse logistics courses taught in the Modern Logistics and Supply Chain Management EMBA Study Course at the Overseas Education College, Shanghai Jia Tong University.

### ITLS-SYDNEY JOINS ELITE GLOBAL PORTS RESEARCH ALLIANCE

In November 2013 ITLS-Sydney joined with six of the world's leading research institutions in an effort to address the complex challenges facing ports and their related maritime and logistics industries. The alliance aims to establish a global research and training platform in port operations, maritime and logistics through collaboration between its members and with industry. The other members are: Imperial College, London; the Malaysian Institute for Supply Chain Innovation; the MIT Center for Transportation and Logistics; the National University of Singapore; the Hong Kong Polytechnic University; and the University of Hamburg, Germany.

## AUSTRALIAN RESEARCH COUNCIL GRANTS SUCCESS

The Australian Research Council (ARC) recognized eight research proposals from Key Centre academics in 2013, awarding an outstanding \$6.3 million over four Discovery, two Linkage and one LIEF grant. The grant process is highly competitive with only one in five proposals receiving recognition. This outcome is a testament to the importance of the research and the reputation of the researchers. With ARC grants currently in progress, the Key Centre now holds nine Discovery Project and five Linkage Project grants, including ITS-Monash's Linkage Project on *Innovative Tools to Improve Station Design and Management of Crowds in Emergency and Panic Conditions* led by Associate Professor Majid Sarvi and in partnership with Public Transport Victoria and Department of Transport, Planning and Local Infrastructure, which officially commenced work in 2013.

The four 2013 Discovery Project grants went to Professor David Hensher for his research on integrating attribute decision heuristics into travel choice models that accommodate risk attitude and perceptual conditioning; Professors Michael Bell and Michiel Bliemer (with researchers from the biological sciences at the University of Sydney and New Jersey Institute of Technology) for their research using biological systems to mitigate risk in supply chains and transportation networks; Honorary Professor William Greene (with researchers from Curtin University of Technology) for his research on *Modelling health: reporting behaviour and misclassification using survey data*; and Dr Yibing Wang for his research to identify an innovative mechanism for optimising freeway traffic efficiency, safety, and sustainability via variable speed limit control.

The two 2013 Linkage Project grants went to Professors Michael Bell and Michiel Bliemer for their research into methodologies for the incorporation of congestion propagation and system reliability into transport network models for consistent multi-scale planning and to Dr Marilyn Johnson and Professor Geoff Rose for their research on safer cycling and the urban road environment. The ARC grants won by ITS-Monash will contribute to Institute's realignment of research focus into the two themes of: i) multimodal urban transportation system planning, modelling and optimisation; and ii) enhancing transport system sustainability, resilience and human interface.



*LIEF-funded Driving Simulator*

The Linkage Infrastructure, Equipment and Facilities (LIEF) grant won by Professor Michiel Bliemer will be used to establish a Travel Choice Simulation Laboratory; a virtual laboratory with five connected driving simulators used to study travel behaviour and drivers' interactions. This will complement the existing ITS-Monash transport simulation laboratory which underwent an improvement program in 2013.

## ITLS-SYDNEY LAUNCHES NEW LOGISTICS, TRANSPORT, INFRASTRUCTURE, AVIATION AND MARITIME SPECIALISATIONS



*L-R: Professors David Hensher, Professor David Grant (Co-Dean, Business School), Dr Alastair Stone (Chair, ITLS-Sydney Board of Advice), Professor Tyrone Carlin (Co-Dean, Business School)*

In November 2013 ITLS-Sydney was joined by members of our Board of Advice, special guests from the University including the Co-Deans of the Business School, and visitors from overseas, to officially launch the new transport and logistics postgraduate coursework program including the new/revised specialisations in infrastructure and transport management, logistics and supply chain management, and aviation and maritime logistics and management which will be available to students through the Master of Commerce degree offered by The University of Sydney Business School, as well as through the mainstream logistics and transport management programs of ITLS-Sydney.





## THREDBO 13 CONFERENCE

The 13th International Conference on

Competition and Ownership in Land Passenger Transport was held at St Anne's College, University of Oxford, UK from 15 to 19 September 2013. The conference was co-organised by the University of Southampton, UK and ITLS-Sydney. The conference series was co-founded by Professor David Hensher in 1989, with the late Professor Michael Beesley. The 13th conference was attended by more than 160 delegates from 26 countries around the world. This highly successful conference featured plenary sessions and a series of intensive workshops based around keynote papers and a series of resource papers providing a range of international perspectives on each issue. Presentations and workshop reports from the conference are available to download from the conference website:

<http://www.thredbo-conference-series.org>

Selected papers from the conference will be published in a 2014 special edition of Elsevier's Research in Transportation Economics journal. The Michael Beesley Award for the best paper from an early career researcher was won by ITLS-Sydney's doctoral candidate Chinh Ho for his paper *Metrobuses in Sydney: how high capacity and high frequency services are benefiting the metropolitan fringe* (with Professor Corinne Mulley).



*BRT Centre Thredbo 13 Conference Participants*

The conference enjoyed strong participation from the Bus Rapid Transit (BRT) Centre of Excellence in which ITLS-Sydney is one of five members. On the day after the conference, the BRT Centre organized a workshop targeting conference attendees who would appreciate the opportunity to receive more formal instruction about the state of the art on different aspects of BRT design and implementation. The workshop attracted more than 20 attendants from countries from several continents.

## ENGAGEMENT WITH INDUSTRY AND GOVERNMENT

In 2013 ITS-Monash organised several workshops in contemporary transport and traffic engineering topics. Transport professionals from industry, government and universities from across Australia attended these workshops. The four day workshop on advanced topics in transport and land-use modelling held in December 2013 was well received. Professor William Lam (The Hong Kong Polytechnic University), Professors Serge Hoogendoorn and Ray Hoogendorron (TU Delft), Prof Korous Mohammadian (University of Illinois at Chicago, USA) and Professor Eil Kwon (University of Minnesota, USA) were the international speakers at the workshop.



In March 2013 The report *Moving Australia 2030: A Transport Plan for a Productive and Active Australia* was launched by The Hon. Anthony Albanese, MP, Minister for Transport and Infrastructure at a Bus Industry Confederation

dinner in Canberra. The report was the work of a task force formed and hosted by the Bus Industry Confederation with members from: The Australian Local Government Association; The Australasian Railway Association; Cycling Promotion Fund; Heart Foundation; Planning Institute of Australia; The Tourism and Transport Forum, and the International Association of Public Transport. The report was reviewed before publication by Honorary Professor John Stanley (ITLS Sydney's Bus Industry Confederation Senior Fellow in Sustainable Land Transport and Chair of ITS-Monash's Advisory Committee) who was an author of the reports *Moving People - Solutions for a Growing Australia* (2008) and *Moving People: Solutions for a Liveable Australia* (2012) on which *Moving Australia 2030* builds.



## RESEARCH FUNDING

### COMMONWEALTH GOVERNMENT



**Australian Government**

**Australian Research Council**

#### DISCOVERY PROJECTS

**NEW: Professor Michael Bell and Professor Michiel Bliemer**

2013-15: \$490,000

*Risky business: using biological systems to mitigate risk in supply chains and transportation networks*

**NEW: Dr Yibing Wang**

2013-15: \$330,000

*An innovative mechanism for optimising freeway traffic efficiency, safety, and sustainability via variable speed limit control*

**Professor David Hensher**

2011-13: \$426,444

*Assessment of the commuter's willingness to pay a congestion charge under alternative pricing regimes and revenue disbursement plans*

**Professor David Hensher and Professor John Rose**

2012-14: \$210,000

*Valuation of service reliability and crowding under risk and uncertainty: neglected drivers of demand for public transport*

**Professor Geoff Rose**

2010-13: \$1,267,900

*A systemic model to underpin enhanced management of powered-two-wheelers as part of a safe, sustainable transport system 2*

**Associate Professor Majid Sarvi and Professor Graham Currie**

2011-14: \$285,000

*Innovative urban traffic congestion solutions: optimising road space using networks of multi-class priority*

**Professor Peter Stopher**

2012-14: \$333,545

*Travel time budget analysis from multi-day and multi-year data*

#### LINKAGE PROJECTS

**NEW: Professor Michael Bell and Professor Michiel Bliemer**

2013-15: \$545,604

*Methodologies for the incorporation of congestion propagation and system reliability into transport network models for consistent multi-scale planning*

**NEW: Dr Marilyn Johnson and Professor Geoff Rose**

2013-16: \$705,000

*Safer Cycling and the Urban Road Environment*

**Associate Professor Stephen Greaves**

2012-14: \$532,219

*The development and application of an evaluation framework to assess transport, health and economic impacts of new urban cycling infrastructure*

**Associate Professor Majid Sarvi, Professor Graham Currie and Dr Nirajan Shiwakoti**

2012-14: \$210,000

*Innovative tools to improve stations design and management of crowds in emergency and panic conditions*

**Dr Russell Thompson**

2012-14: \$330,000

*Integrating mobility on demand in urban transport infrastructures*

#### LINKAGE INFRASTRUCTURE, EQUIPMENT AND FACILITIES (LIEF)

**NEW: Professor Michiel Bliemer**

2013: \$390,000

*Travel Choice Simulation Laboratory (TRACSLab): a visualisation laboratory to study travel behaviour and drivers' interactions*

## STATE GOVERNMENT

**NEW: Professor Graham Currie and Alexa Delbosc**

2013: \$15,000

*Cross national survey of public transport users*  
Public Transport Victoria

**NEW: Professor Graham Currie, Alexa Delbosc and Brendan Pender**

2013-14: \$64,000

*Rail disruption management R&D project*  
Metro Trains Melbourne

**NEW: Professor Corinne Mulley**

2013: \$13,750

*A review of the future potential of community transport in the ACT*  
ACT Government

**NEW: Dr Russell Thomson**

2013: \$18,000

*Urban freight directions*  
Victorian Department of Transport

**NEW: Dr Russell Thomson**

2013: \$25,000

*Road freight network performance indicators*  
VicRoads

**Professor Graham Currie and Alexa Delbosc**

2012-13: \$100,000

*Understanding the psychology of fare evasion*  
Public Transport Victoria

**Professor Graham Currie and Alexa Delbosc**

2012-13: \$30,000

*Before and after assessment of the impact of removing setback filter turns on safety and operations performance on Lonsdale Street bus lanes*

Department of Transport Victoria

**Professor Peter Stopher**

2012-13: \$109,916

*Cost-effective evaluation of a TravelSmart project*  
South Australia Department of Planning, Transport and Infrastructure

## INDUSTRY

**NEW: Professor David Hensher**

2013-15: \$159,000

Australian International Trade and Transport Industry Development Fund Limited (PhD Research Scholarship)

**NEW: Quoc Chinh Ho**

2013: \$5,760

*Inter-Personal Cooperation in Tour-based Mode Choice: the Role of Household Resources and Spatial Setting*  
World Conference on Transport Research Society Innovation Grant

**NEW: Dr Rico Merkert**

2013: \$12,000

*Growth assumptions forecast project*  
Comair, South Africa

**NEW: Professor Corinne Mulley**

2013: \$35,000

*Investigation of the potential to develop flexible or on-demand transport solutions for regional NSW*  
University of Sydney Business School Industry Partnership Grant with Transport for NSW (Australia)

**Professor Graham Currie**

2011-13: \$75,000

Volgren PhD Research Scholarship

**Professor David Hensher and Professor Corinne Mulley**

2010-15: \$300,000

*Centre of Excellence in Bus Rapid Transit development*  
Volvo Research and Education Foundation, Sweden

## UNIVERSITY

### RESEARCH

**Dr Andrew Collins**

*Choice over the final mile: modelling alternative delivery and pickup options*

University of Sydney Business School General Research Grant

**Professor Graham Currie**

*ECO\_BEST: Electric car objective – behavioural choice analysis for transport, to examine the choice of electric vehicles within the European Union*

University of Roma Trieste Funding Institution, Italy

**Dr Terry Liu**

*Optimal Toll Settings for Distance-Based Road Pricing*

Monash University Engineering Faculty Seed Grant

**Dr Rico Merkert**

*Strategic management and merger cost effects in service industries: evidence from the airlines*

University of Sydney International Research Collaboration Award

**Dr Rico Merkert**

*Integrated transport strategies as the key to more viable air services in remote regions – a feasibility study*

University of Sydney Business School General Research Grant

**Associate Professor Majid Sarvi**

*Investigating the impact of different turning angles on the collective egress of pedestrian crowds under panic conditions*

Monash University Engineering Faculty Seed Grant

**Dr Nirajan Shiwakoti**

*Modelling mass evacuation of pedestrians under catastrophic events*

Monash University Engineering Faculty Seed Grant

**Dr Yibing Wang**

*An innovative approach to variable speed limit control on freeways*

Monash University Engineering Faculty Seed Grant

### TRAVEL

**University of Sydney Business School Conference Travel Grants**

**Dr Matthew Beck**

*92nd Annual Meeting of the Transportation Research Board, United States, January 2013*

**Professor Michael Bell**

*20th International Symposium on Transportation and Traffic Theory, The Netherlands, July 2013*

**Professor Michiel Bliemer**

*Australasian Transport Research Forum, Australia, October 2013*

**Dr Geoffrey Clifton**

*13th International Conference on Competition and Ownership in Land Passenger Transport, UK, September 2013*

**Dr Xiaowen Fu**

*Air Transport Research Society, Australia, October 2013*

**Associate Professor Stephen Greaves**

*Australasian Transport Research Forum, Australia, October 2013*

**Professor David Hensher**

*13th International Conference on Competition and Ownership in Land Passenger Transport, UK, September 2013*

**Dr Rico Merkert**

*92nd Annual Meeting of the Transportation Research Board, United States, January 2013*

*17th Air Transport Research Society (ATRS) and EURO/INFORMS Conference, Italy, July 2013*

*13th International Conference on Competition and Ownership in Land Passenger Transport, UK, September 2013*

**Dr Claudine Moutou**

*Australasian Transport Research Forum, Australia, October 2013*

**Professor Corinne Mulley**

*13th International Conference on Competition and Ownership in Land Passenger Transport, UK, September 2013*

**Professor Peter Stopher**

*6th International Symposium on Travel Demand Management (TDM2013) China, August 2013*



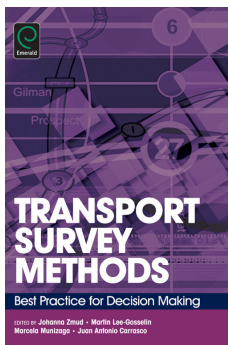
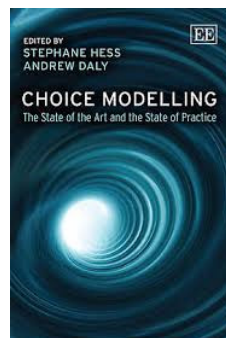
## PUBLICATIONS

### BOOK CHAPTERS

**Bhattacharjya, J.** and Kleine-Moelhoff, P. (2013) 'Environmental Concerns in the Design and Management of Pallets' in *Collaborative Systems for Reindustrialization - 14th IFIP WG 5.5 Working Conference on Virtual Enterprises, PRO-VE 2013, Dresden, Germany, September 30 - October 2, 2013: Proceedings*, ed. Luis M Camarinha-Matos and Raimar J Scherer, Springer, Heidelberg, Germany, pp. 569-76.

**Greaves, S. P.** and **Ellison, R.** (2013) 'A GPS/Web-based Solution for Multi-day Travel Surveys: Processing Requirements and Participant Reaction' in *Transport Survey Methods: Best Practice for Decision Making*, ed. J. Zmud, M. Lee-Gosselin, M. Munizaga and J.A. Carrasco, Emerald Group Publishing Limited, Bingley, UK, pp. 721-43.

**Rose, J. M.** and Chorus, C. (2013) 'Selecting a Date: A Matter of Regret and Compromises' in *Choice Modelling: The State of the Art and the State of Practice*, ed. Stephane Hess and Andrew Daly, Edward Elgar, UK, pp. 229-242.

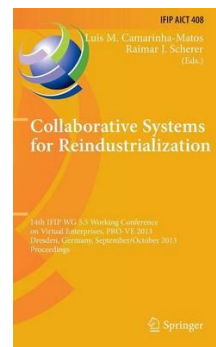
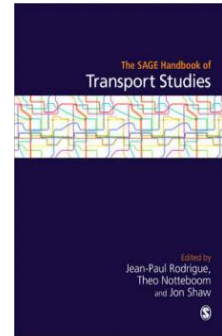


**Stopher, P. R.** and Sneade, A. (2013) 'Workshop Synthesis: Post Processing of Spatio-Temporal Data' in *Transport Survey Methods: Best Practice for Decision Making*, ed. J. Zmud, M. Lee-Gosselin, M. Munizaga and J.A. Carrasco, Emerald Group Publishing Limited, Bingley, UK, pp.769-79.

**Stopher, P. R., Prasad, C., Wargelin, L.** and Minser, J. (2013) 'Conducting A GPS-Only Household Travel Survey' in *Transport Survey Methods: Best Practice for Decision Making*, ed. J. Zmud, M. Lee-Gosselin, M. Munizaga and J.A. Carrasco, Emerald Group Publishing Limited, Bingley, UK, pp. 91-113.

Taniguchi, E. and **Thompson, R. G.** (2013) 'Humanitarian Logistics in the Great Tohoku Disasters 2011', in *Humanitarian and Relief Logistics, Operations Research / Computer Science Interfaces (Vol. 54)*, ed. V. Zeimpekis, S. Ichoua and I. Minis, Springer, New York, United States, pp. 207-18.

Tavasszy, L. A. and **Bliemer, M. C. J.** (2013) 'Transport Flow, Distribution and Allocation Models, Traffic Assignment and Forecasting' in *The SAGE Handbook of Transport Studies*, ed. Jean-Paul Rodrigue, Theo Notteboom and Jon Shaw, Sage Publications Ltd, London, UK, pp. 331-46.



**Walters, D.** and **Bhattacharjya, J.** (2013) 'Opportunities for Collaboration in the 'Asian Century'' in *Collaborative Systems for Reindustrialization - 14th IFIP WG 5.5 Working Conference on Virtual Enterprises, PRO-VE 2013, Dresden, Germany, September 30 - October 2, 2013: Proceedings*, ed. Luis M Camarinha-Matos and Raimar J Scherer, Springer, Heidelberg, Germany, pp. 481-488.

### CONFERENCE PROCEEDINGS

**Hensher, D. A., Walters, J.** and **Steel, R.** (eds) (2013) Special Edition: THREDBO 12: Recent developments in the reform of land passenger transport, *Research in Transportation Economics*, vol. 39, no. 1, pp. 1-308.

Taniguchi, E. and **Thompson, R. G.** (eds) (2013) *City Logistics VIII*, 8th International Conference on City Logistics, Bali, 17 - 19 June, 2013, Institute for City Logistics, Kyoto.

## JOURNAL ARTICLES



Key Centre academics held the top three positions in the top 20 list of world authors by volume of peer reviewed papers included in the World Transit Research (WTR), an ITS-Monash initiative. Professor Graham Currie held first position with 64 papers, Professor David Hensher second with 46 papers and Professor Corinne Mulley third with 29 papers. WTR is designed to help public transport practitioners and researchers get easier access to quality research in the field of public transport planning. WTR is a free repository of research papers, reports, research abstracts and links to research findings from leading research journals indexed and searchable to ensure easier access to topics of interest.

Aditjandra, P. T., **Mulley, C.** and Nelson, J. D. (2013) 'The influence of neighbourhood design on travel behaviour: Empirical evidence from North East England', *Transport Policy*, vol. 26, pp. 54-65.

Aghabayk, K., Moridpour, S., **Young, W.** and **Wang, Y. B.** (2013) 'An analytical comparison between lane-changing behavior of drivers on freeways and arterial roads', *Road and Transport Research*, vol. 22, pp. 27- 39.

**Beck, M. J.**, Chorus, C. G., **Rose, J. M.** and **Hensher, D. A.** (2013) 'Vehicle Purchasing Behaviour of Individuals and Groups: Regret or Reward', *Journal of Transport Economics and Policy*, vol. 47, no. 3, pp. 475-92.

**Beck, M. J.**, **Rose, J. M.** and **Hensher, D. A.** (2013) 'Consistently inconsistent: The role of certainty, acceptability and scale in automobile choice', *Transportation Research Part E: Logistics and Transportation Review*, vol. 56, no. September, pp. 81-93.

**Beck, M. J.**, **Rose, J. M.** and **Hensher, D. A.** (2013) 'Environmental Attitudes and Emissions Charging: An Example of Policy Implications for Vehicle Choice', *Transportation Research Part A: Policy and Practice*, vol. 50, no. April, pp. 171-82.

**Bell, M. G. H.**, Liu, X., Rioult, J. and Angeloudis, P. (2013) 'A cost-based maritime container assignment model', *Transportation Research Part B: Methodological*, vol. 58, pp. 58-70.

Bie, Y., **Liu, Z.**, Ma, D., Wang, D., (2013) 'Calibration of platoon dispersion parameter considering the impact of number of lanes', *Journal of Transportation Engineering*, vol. 139, pp. 200–7.

**Bliemer, M. C. J.** and **Rose, J. M.** (2013) 'Confidence intervals of willingness-to-pay for random coefficient logit models', *Transportation Research Part B: Methodological*, vol. 58, pp. 199-214.

Bray, D. and **Mulley, C.** (2013) 'Workshop 4: Designing contracts/concessions: What has worked and what has not and why?: 12th International Conference Series on Competition and Ownership in Land Passenger Transport', *Research in Transportation Economics*, vol. 39, no. 1, pp. 226-31.

Cheng, T.-P. V., Rhodes, J. and **Lok, P.** (2013) 'The Mediating Effect of Brand Trust Between Online Customer Reviews and Willingness to Buy', *Journal of Electronic Commerce in Organizations*, vol. 11, no. 1, pp. 22-42.

Chorus, C. G., **Rose, J. M.** and **Hensher, D. A.** (2013) 'Regret minimization or utility maximization: It depends on the attribute', *Environment and Planning B*, vol. 40, no. 1, pp. 154-69.

**Clifton, G.** and **Rose, J. M.** (2013) 'A simulation of the simple Mohring model to predict patronage and value of resources consumed for enhanced bus services', *Research in Transportation Economics*, vol. 39, no. 1, pp. 259-69.

**Collins, A. T.**, Hess, S. and **Rose, J. M.** (2013) 'Choice modelling with search and sort data from an interactive choice experiment', *Transportation Research Part E*, vol. 56, no. September, pp. 36-45.

**Collins, A. T.**, **Rose, J. M.** and **Hensher, D. A.** (2013) 'Specification issues in a generalised random parameters attribute nonattendance model', *Transportation Research Part B: Methodological*, vol. 56, pp. 234-53.

**Currie, G.**, **Delbosc, A.** and Mahmoud, S. (2013) 'Factors Influencing Young Peoples' Perceptions of Personal Safety on Public Transport', *Journal of Public Transportation*, vol. 16, pp. 1-20.



- Currie G.** and **Delbosc A.** (2013) 'Exploring Comparative Ridership Drivers of Bus Rapid Transit and Light Rail Transit Routes', *Journal of Public Transportation*, vol. 16, pp. 47-65.
- Currie G., Delbosc A.,** Harrison, S. and **Sarvi, M.** (2013) 'Crowding Impact on Streetcar Dwell Time', *Transportation Research Record*, vol. 2353, pp. 100-6.
- Daniels, R. and **Mulley, C.** (2013) 'Explaining walking distance to public transport: The dominance of public transport supply', *Journal of Transport and Land Use*, vol. 6, no. 2, pp. 5-20.
- Daniels, R.** and **Mulley, C.** (2013) 'The Paradox of Public Transport Peak Spreading: Universities and Travel Demand Management', *International Journal of Sustainable Transportation*, vol. 7, no. 2, pp. 143-65.
- de Bekker-Grob, E. W., **Bliemer, M. C. J.**, Donkers, B., Essink-Bot, M.-L., Korfage, I. J., Roobol, M. J., Bangma, C. H. and Steyerberg, E. W. (2013) 'Patients' and urologists' preferences for prostate cancer treatment: a discrete choice experiment', *British Journal of Cancer*, vol. 109, no. 3, pp. 633-40.
- de Bekker-Grob, E. W., **Rose, J. M.**, Donkers, B., Essink-Bot, M.-L., Bangma, C. H. and Steyerberg, E. W. (2013) 'Men's preferences for prostate cancer screening: A discrete choice experiment', *British Journal of Cancer*, vol. 108, no. 3, pp. 533-41.
- de Bekker-Grob, E., **Rose, J. M.** and **Bliemer, M. C. J.** (2013) 'A Closer Look at Decision and Analyst Error by Including Nonlinearities in Discrete Choice Models: Implications on Willingness-to-Pay Estimates Derived from Discrete Choice Data in Healthcare', *PharmacoEconomics*, vol. 31, no. 12, pp. 1169-83.
- Delbosc, A.** (2013) 'Household composition and within-household car saturation in Melbourne', *Transport Policy*, vol. 25, pp. 94-100.
- Delbosc, A.** and **Currie, G.** (2013) 'Causes of youth licensing decline: a synthesis of evidence', *Transport Reviews*, vol. 33, No. 3, pp. 271-90.
- Dias, C., Sarvi, M., Shiwakoti, N., Ejtemai, O.,** Burd, M. (2013) 'Investigating collective behaviours in complex situations', *Safety Science*, vol. 60, pp. 87-94.
- Ellison, A. B., Greaves, S. P.** and **Bliemer, M. C. J.** (2013) 'Examining Heterogeneity of Driver Behavior with Temporal and Spatial Factors', *Transportation Research Record: Journal of the Transportation Research Board (Special Issue: Safety Data, Analysis, and Evaluation 2013)*, vol. 2386, pp. 158-67.
- Ellison, R., Greaves, S. P.** and **Hensher, D. A.** (2013) 'Five years of London's low emission zone: Effects on vehicle fleet composition and air quality', *Transportation Research Part D: Transport and Environment*, vol. 23, pp. 25-33.
- Gordon, C., **Mulley, C.**, Stevens, N. and Daniels, R. (2013) 'How optimal was the Sydney Metro contract?: Comparison with international best practice', *Research in Transportation Economics*, vol. 39, no. 1, pp. 239-46.
- Gordon, C., **Mulley, C.**, Stevens, N. and Daniels, R. (2013) 'Public-private contracting and incentives for public transport: Can anything be learned from the Sydney Metro experience?', *Transport Policy*, vol. 27, no. May, pp. 73-84.
- Greaves, S. P., Fifer, S.** and **Ellison, R.** (2013) 'Exploring Behavioral Responses of Motorists to Risk-Based Charging Mechanisms', *Transportation Research Record: Journal of the Transportation Research Board (Special Issue: Safety Data, Analysis, and Evaluation 2013)*, vol. 2386, pp. 52-61.
- Greene, W. H. and **Hensher, D. A.** (2013) 'Revealing additional dimensions of preference heterogeneity in a latent class mixed multinomial logit model', *Applied Economics*, vol. 45, no. 14, pp. 1897-902.
- Hensher, D. A.** (2013) 'Exploring the relationship between perceived acceptability and referendum voting support for alternative road pricing schemes', *Transportation*, vol. 40, no. 5, pp. 935-59.
- Hensher, D. A.** and **Li, Z.** (2013) 'Referendum voting in road pricing reform: A review of the evidence', *Transport Policy*, vol. 25, no. January, pp. 186-97.

- Hensher, D. A., Collins, A. T.** and Greene, W. H. (2013) 'Accounting for attribute non-attendance and common-metric aggregation in a probabilistic decision process mixed multinomial logit model: a warning on potential confounding', *Transportation*, vol. 40, no. 5, pp. 1003-20.
- Hensher, D. A., Collins, A. T., Rose, J. M.** and Smith, N. (2013) 'Direct and cross elasticities for freight distribution access charges: Empirical evidence by vehicle class, vehicle kilometres and tonne vehicle kilometres', *Transportation Research Part E: Logistics and Transportation Review*, vol. 56, no. September, pp. 1-21.
- Hensher, D. A.,** Greene, W. H. and Chorus, C. G. (2013) 'Random Regret Minimisation or Random Utility Maximisation: An Exploratory Analysis in the Context of Automobile Fuel Choice', *Journal of Advanced Transportation*, vol. 47, no. 7, pp. 667-78.
- Hensher, D. A., Li, Z.** and **Rose, J. M.** (2013) 'Accommodating Risk in the Valuation of Expected Travel Time Savings', *Journal of Advanced Transportation*, vol. 47, no. 2, pp. 206-24.
- Hensher, D. A., Mulley, C.** and Smith, N. A. (2013) 'Towards a simplified performance-linked value for money model as a reference point for bus contract payments', *Research in Transportation Economics*, vol. 39, no. 1, pp. 232-38.
- Hensher, D. A., Rose, J. M.** and **Collins, A. T.** (2013) 'Understanding Buy In for Risky Prospects: Incorporating Degree of Belief into the ex-ante Assessment of Support for Alternative Road Pricing Schemes', *Journal of Transport Economics and Policy*, vol. 47, no. 3, pp. 453-73.
- Hensher, D. A., Rose, J. M., Leong, W., Tirachini, A.** and **Li, Z.** (2013) 'Choosing Public Transport—Incorporating Richer Behavioural Elements in Modal Choice Models', *Transport Reviews*, vol. 33, no. 1, pp. 92-106.
- Hess, S. and **Hensher, D. A.** (2013) 'Making use of respondent reported processing information to understand attribute importance: a latent variable scaling approach', *Transportation*, vol. 40, no. 2, pp. 397-412.
- Ho, C.** and **Mulley, C.** (2013) 'Incorporating Intrahousehold Interactions into Tour-Based Model of Public Transport Use in Car-Negotiating Households', *Transportation Research Record*, vol. 2343, pp. 1-9.
- Ho, C.** and **Mulley, C.** (2013) 'Multiple Purposes at Single Destination: a Key to a Better Understanding of the Relationship between Tour Complexity and Mode Choice', *Transportation Research Part A: Policy and Practice*, vol. 49, no. March, pp. 206-19.
- Ho, C.** and **Mulley, C.** (2013) 'Tour-based mode choice of joint household travel patterns on weekend and weekday', *Transportation*, vol. 40, no. 4, pp. 789-811.
- Irving, M. J., Tong, A., Jan, S., Wong, G., Cass, A., Chadban, S., Allen, R. D., Craig, J. C., **Rose, J. M.** and Howard, K. (2013) 'Community preferences for the allocation of organs for transplantation a focus group study', *Nephrology, Dialysis, Transplantation*, vol. 28, no. 8, pp. 2187-93.
- Johnson, M.,** Newstead, S., Oxley, J. and Charlton, J. (2013) 'Cyclists and open vehicle doors: crash characteristics and risk factors', *Safety Science*, vol. 59, pp. 135-40.
- Johnson, M.,** Charlton, J., Oxley, J., Newstead, S. (2013) 'Why do cyclists infringe at red lights? An investigation of Australian cyclists' reasons for red light infringement', *Accident Analysis Prevention*, vol. 50, pp. 840-7.
- Jou, R.-C., **Hensher, D. A.,** Chen, T.-Y. and Chao, M.-C. (2013) 'Hospitalisation costs and duration of elderly motorcyclists' non-fatality crashes in Taiwan', *International Journal of Injury Control and Safety Promotion*, vol. 20, no. 2, pp. 158-68.
- Kanturska, U., Trozzi, V. and **Bell, M. G. H.** (2013) 'Scheduled Hyperpath: A Strategy for Reliable Routing and Scheduling of Deliveries in Time-Dependent Networks with Random Delays', *Transportation Research Record*, vol. 2378, pp. 99-109.
- Kaparias, I., **Bell, M. G. H.,** Dong, W., Sastrawinata, A., Singh, A., Wang, X. and Mount, B. (2013) 'Analysis of Pedestrian-Vehicle Traffic Conflicts in Street Designs with Elements of Shared Space', *Transportation Research Record*, vol. 2393, pp. 21-30.

- Kappes, J. W. and **Merkert, R.** (2013) 'Barriers to entry into European aviation markets revisited: A review and analysis of managerial perceptions', *Transportation Research Part E: Logistics and Transportation Review*, vol. 57, no. October, pp. 58-69.
- Kelly, P., Krenn, P., Titze, S., **Stopher, P. R.** and Foster, C. (2013) 'Quantifying the Difference Between Self-Reported and Global Positioning Systems-Measured Journey Durations: A Systematic Review', *Transport Reviews*, vol. 33, no. 4, pp. 443-59.
- Lam, J. S.L., Ng, A. K.Y. and **Fu, X.** (2013) 'Stakeholder management for establishing sustainable regional port governance', *Research in Transportation Business and Management*, vol. 8, pp. 30-38.
- Li, Z.** and **Hensher, D. A.** (2013) 'Behavioural implications of preferences, risk attitudes and beliefs in modelling risky travel choice with travel time variability', *Transportation*, vol. 40, no. 3, pp. 505-23.
- Li, Z.** and **Hensher, D. A.** (2013) 'Crowding in Public Transport: A Review of Objective and Subjective Measures', *Journal of Public Transportation*, vol. 16, no. 2, pp. 107-34.
- Li, Z., Hensher, D. A.** and **Rose, J. M.** (2013) 'Accommodating perceptual conditioning in the valuation of expected travel time savings for cars and public transport', *Research in Transportation Economics*, vol. 39, no. 1, pp. 270-6.
- Liu, Z.** and Meng, Q., (2013) 'Distributed Computing Approaches for Large-scale Probit-based Stochastic User Equilibrium Problem', *Journal of Advanced Transportation*, vol. 47, pp. 553-71.
- Liu, Z.,** Meng, Q. and Wang, S., (2013) 'Speed-based Toll Design for Cordon-Based Congestion Pricing Scheme', *Transportation Research Part C*, vol. 31, pp. 83-98.
- Liu, Z.,** Yan, Y., Qu, X., and Zhang, Y. (2013) 'Bus stop-skipping scheme with random travel time', *Transportation Research Part C*, vol. 35, pp. 46-56.
- Masiero, L. and **Rose, J. M.** (2013) 'The Role of the Reference Alternative in the Specification of Asymmetric Discrete Choice Models', *Transportation Research Part E*, vol. 53, no. July, pp. 83-92.
- Merkert, R.** and Gudmundsson, S. V. (2013) 'Guest Editors' Introduction: Approaches to Improve Efficiency and Profitability of Airlines', *Transportation Journal*, vol. 52, no. 3, pp. 303-7.
- Merkert, R.** and **Hensher, D. A.** (2013) 'Regulation, trust and contractual incentives around transport contracts - Is there anything bus operators can learn from public air service contracts?', *Research in Transportation Economics*, vol. 39, no. 1, pp. 67-78.
- Merkert, R.** and **Hensher, D. A.** (2013) 'The Importance of Completeness and Clarity in Air Transport Contracts in Remote Regions in Europe and Australia', *Transportation Journal*, vol. 52, no. 3, pp. 365-90.
- Merkert, R.** and Mangia, L. (2013) 'Explanatory Power of Different Data Envelopment Analysis Models for Determining Airports' Cost-Efficiency', *Transportation Research Record*, vol. 2336, pp. 91-6.
- Merkert, R.** and Nash, C. A. (2013) 'Investigating European railway managers' perception of transaction costs at the train operation/infrastructure interface', *Transportation Research Part A: Policy and Practice*, vol. 54, no. August, pp. 14-25.
- Merkert, R.** and O'Fee, B. (2013) 'Efficient procurement of public air services - Lessons learned from European transport authorities' perspectives', *Transport Policy*, vol. 29, no. September, pp. 118-25.
- Merkert, R.** and Williams, G. (2013) 'Determinants of European PSO airline efficiency - Evidence from a semi-parametric approach', *Journal of Air Transport Management*, vol. 29, no. June, pp. 11-16.
- Moutou, C. J.** (2013) 'Car parking matters: Adapting to changing customer mobility in urban neighbourhood town centres of an inner city area of Sydney', *Journal of Urban History*, vol. 39, no. 4, pp. 690-708.

**Mulley, C. and Ho, C.** (2013) 'Evaluating the impact of bus network planning changes in Sydney, Australia', *Transport Policy*, vol. 30, pp. 13-25.

**Mulley, C., Tyson, R., McCue, P., Rissel, C. and Munro, C.** (2013) 'Valuing active travel: Including the health benefits of sustainable transport in transportation appraisal frameworks', *Research in Transportation Business and Management*, vol. 7, pp. 27-34.

Nelson, J. D. and **Merkert, R.** (2013) 'Workshop 1: Performance measurement and compliance', *Research in Transportation Economics*, vol. 39, no. 1, pp. 46-9.

Nelson, J. D. and **Mulley, C.** (2013) 'The impact of the application of new technology on public transport service provision and the passenger experience: A focus on implementation in Australia', *Research in Transportation Economics*, vol. 39, no. 1, pp. 300-8.

Ng, A., Sung, D. and **Bhattacharjya, J.** (2013) 'Port Choice of Shipping Lines and Shippers in Australia', *Asian Geographer*, vol. 30, no. 2, pp. 143-68.

**Pender, B., Currie, G., Delbosc, A. and Shiwakoti, N.** (2013) 'Disruption Recovery in Passenger Railways -International Survey', *Transportation Research record*, vol. 2353, pp. 22-32.

Qu, X., Meng, Q. and **Liu, Z.**, (2013) 'Estimation of number of fatalities caused by toxic gases due to fire in road tunnels', *Accident Analysis and Prevention*, vol. 50, pp. 616-21.

Rissel, C., **Greaves, S. P.**, Wen, L. M., Capon, A., Crane, M. and **Standen, C.** (2013) 'Evaluating the transport, health and economic impacts of new urban cycling infrastructure in Sydney, Australia - protocol paper', *BMC Public Health*, vol. 13, no. 963, pp. 1-8.

Rissel, C., **Mulley, C.** and Ding, D. (2013) 'Travel Mode and Physical Activity at Sydney University', *International Journal of Environmental Research and Public Health*, vol. 10, no. 8, pp. 3563-3577.

Rodrigues Franco, M., Ferreira, M. L., Howard, K., Sherrington, C., **Rose, J. M.**, Haines, T. P. and Ferreira, P. (2013) 'How big does the effect of an intervention have to be? Application of two novel methods to determine the smallest worthwhile effect of a fall prevention programme: a study protocol', *BMJ Open*, vol. 3, no. 2, pp. 1-5.

**Rose, J. M. and Bliemer, M. C. J.** (2013) 'Sample size requirements for stated choice experiments', *Transportation*, vol. 40, no. 5, pp. 1021-41.

**Rose, J. M., Hess, S. and Collins, A. T.** (2013) 'What if My Model Assumptions are Wrong: The Impact of Non-standard Behaviour on Choice Model Estimation', *Journal of Transport Economics and Policy*, vol. 47, no. 2, pp. 245-63.

**Schmitt, L., Currie, G. and Delbosc, A.** (2013) 'Measuring the impact of unfamiliar transit travel using a university access survey', *Transport Policy*, vol. 30, pp. 301-7.

**Shen, L. and Stopher, P. R.** (2013) 'A process for trip purpose imputation from Global Positioning System data', *Transportation Research Part C: Emerging Technologies*, vol. 36, pp. 261-7.

**Shiwakoti, N. and Sarvi, M.** (2013) 'Understanding pedestrian crowd panic: a review on model organisms approach', *Journal of Transport Geography*, vol. 26, pp. 12-17.

**Shiwakoti, N. and Sarvi, M.** (2013) 'Enhancing the panic escape of crowd through architectural design', *Transportation Research Part C*, vol. 37, pp. 260-67.

Sobhani, A., **Young, W.**, Bahrololoom, S. and **Sarvi, M.** (2013) 'Calculating Time-To-Collision for analyzing right turning behavior at signalized intersections', *Road and Transport Research*, vol. 22, pp. 49-61.

**Stanley, J. and Smith, A.** (2013) 'Workshop 3A: Governance, contracting, ownership and competition issues in public transport: Looking up not down', *Research in Transportation Economics*, vol. 39, no. 1, pp. 167-74.

Tirachini, A., **Hensher, D. A. and Rose, J. M.** (2013) 'Crowding in public transport systems: Effects on users, operation and implications for the estimation of demand', *Transportation Research Part A: Policy and Practice*, vol. 53, pp. 36-52.

Trozzi, V., Gentile, G., **Bell, M. G.H** and Kaparias, I. (2013) 'Dynamic User Equilibrium in Public Transport Networks with Passenger Congestion and Hyperpaths', *Procedia - Social and Behavioral Sciences (20th International Symposium on Transportation and Traffic Theory (ISTTT))*, vol. 80, pp. 427-54.

- Trozzi, V., Gentile, G., **Bell, M. G. H.** and Kaparias, I. (2013) 'Dynamic User Equilibrium in Public Transport Networks with Passenger Congestion and Hyperpaths', *Transportation Research Part B: Methodological*, vol. 57, pp. 266-85.
- Trozzi, V., Kaparias, I., **Bell, M. G. H.** and Gentile, G. (2013) 'A dynamic route choice model for public transport networks with boarding queues', *Transportation Planning and Technology*, vol. 36, no. 1, pp. 44-61.
- Tsai, C.-H., Leong, W., Mulley, C. and Clifton, G.** (2013) 'Examining Estimation Bias and Efficiency for Pseudopanel Data in Travel Demand Analysis', *Transportation Research Record*, vol. 2354, pp. 1-8.
- Walters, D. and Bhattacharjya, J.** (2013) 'Aligning marketing and operations for more effective and efficient "total operations"', *International Journal of Logistics Economics and Globalisation*, vol. 5, no. 2, pp. 94-107.
- Wang, S., Meng, Q. and **Bell, M. G. H.** (2013) 'Liner ship route capacity utilization estimation with a bounded polyhedral container shipment demand pattern', *Transportation Research Part B: Methodological*, vol. 47, pp. 57-76.
- Wang, S., Meng, Q. and **Liu, Z.** (2013) 'A Note on Berth Allocation Considering Fuel Consumption and Vessel Emissions', *Transportation Research Part E*, vol. 49, pp. 48-54.
- Wang, S., Meng, Q. and **Liu, Z.** (2013) 'Bunker Consumption Optimization Methods in Shipping: A Critical Review and Extensions', *Transportation Research Part E*, vol. 53, pp. 49-62.
- Wismans, L., van Berkum, E. and **Bliemer, M. C. J.** (2013) 'Effects of Optimizing Externalities Using Cooperating Dynamic Traffic Management Measures on Network Level', *Journal of Intelligent Transportation Systems - Special Issue: Intelligent Transportation Systems Applications for the Environment and Energy Conservation (Part 1)*, vol. 17, no. 1, pp. 65-77.
- Xiao, Y., **Fu, X.** and Zhang, A. (2013) 'Demand uncertainty and airport capacity choice', *Transportation Research Part B: Methodological*, vol. 57, pp. 91-104.
- Yan, Y., **Liu, Z.**, Meng, Q., Yu, J. (2013) 'Robust network design for bus transit system with stochastic travel time', *Journal of Transportation Engineering*, vol. 139, pp. 625-34.
- Zhang, Y., **Stopher, P. R.** and Halling, B. (2013) 'Evaluation of south-Australia's TravelSmart project: Changes in community's attitudes to travel', *Transport Policy*, vol. 26, pp. 15-22.

## CONFERENCE PAPERS

Aghabayk, K., **Sarvi, M.** and **Young, W.** (2013) 'A Local Linear Model Tree Approach To Develop Car-following Model Considering Lead Vehicle Types', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13-17 January.

Aghabayk, K., **Sarvi, M.** and **Young, W.** (2013) 'Microscopic effects of heavy vehicles on car-following behaviour', *World Conference Transport Research 2013*, Rio de Janeiro, Brazil, 15-18 July.

**Ahmed, A., Stopher, P. R.** and **Greaves, S. P.** (2013) 'Stability of travel time expenditure - an explanation from biological point of view', *14th TRB National Transportation Planning Applications Conference*, Columbus, United States, 5 - 9 May.

Ahmed, F., **Rose, G.** and Jakob, C. (2013) 'Cyclist's attitudes and decisions to commute when faced with changes in weather', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.

Ahmed, F., **Rose, G.** and Jacob, C. (2013) 'Sensitivity of commuter cyclist's to changes in weather and fuel prices in two Australian cities', *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15 - 18 July.

Amani Jordehi, B., **Rose, G.** and **Thompson, R.G.** (2013) 'Motorcycle and Motor Scooter Use in Victoria, Australia', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.

Amani Jordehi, B., **Rose, G.** and **Thompson, R.** (2013) 'Understanding Characteristics and Motivations of Learner Riders of Powered-Two-Wheelers in Melbourne, Australia', *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15 - 18 July.

- Araña, J. E., **Fifer, S.**, León, C. J. and **Rose, J. M.** (2013) 'Hypothetical Bias or Model Misspecification?: Evidences from the field', *International Choice Modelling Conference*, Sydney, Australia, 3 - 5 July.
- Bell, M. G. H.** (2013) 'Role of logistics in travel demand management', *6th International Symposium on Travel Demand Management TDM 2013 - "Integrating TDM strategies"*, Dalian, China, 21 - 23 August.
- Bell, M. G. H.**, Trozzi, V., Gentile, G. and Kaparias, I. (2013) 'Dynamic User Equilibrium in Public Transport Networks with Passenger Congestion and Hyperpaths', *20th International Symposium on Transportation and Traffic Theory ISTTT20*, Noordwijk, Netherlands, 17 - 19 July.
- Bliemer, M. C. J.**, Denant-Boemont, L., Hammiche, S., **Hensher, D. A.** and **Mulley, C.** (2013) 'Urban Costs and the Spatial Structure of Cities: A Laboratory Experiment', *13th World Conference on Transport Research WCTR 2013*, Rio de Janeiro, Brazil, 15 - 18 July.
- Chen, R., Lei, Z. and **Fu, X.** (2013) 'Competitive Responses of an Established Airline to the Entry of a Low-cost Carrier into its Hub Airports', *6th International Forum on Shipping, Ports and Airports IFSPA 2013*, Hong Kong, (China), 3 - 5 June.
- Clifton, G.**, **Mulley, C.** and **Hensher, D. A.** (2013) 'Bus Rapid Transit versus Heavy Rail in suburban Sydney – Comparing Successive iterations of a proposed heavy rail line project to the pre-existing BRT network', *13th International Conference on Competition and Ownership in Land Passenger Transport - Thredbo 13*, Oxford, UK, 15 - 19 September.
- Currie, G.** and Burke (2013) 'Light Rail in Australia – Performance and Prospects', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.
- Currie, G.** and **Delbosc, A.** (2013) 'Assessing Bus Rapid Transit System Performance in Australasia', *13th International Conference Series on Competition and Ownership in Land Passenger Transport (Thredbo 13)*, Oxford, UK, 15 - 19 September.
- Currie, G.** and **Delbosc, A.** (2013) 'Exploring trends in forced car ownership in Melbourne', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.
- Currie, G.** and **Delbosc, A.** (2013) 'Modelling the Psychology of Fare Evasion', *10th Biennial Conference on Environmental Psychology - Symposium on the Psychology of Sustainable Mobility*, Magdeburg, Germany, 22 – 25 September.
- Currie, G.**, **Delbosc, A.**, Gelfand, S. and **Sarvi, M.** (2013) 'Exploring the Impact of Crowding and Stop Design on Streetcar Dwell Time', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 – 17 January.
- Currie, G.**, Goh, K. and **Sarvi, M.** (2013) 'An Analytical Approach to Measuring the Impacts of Transit Priority', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.
- Currie, G.**, Jones, A. and Woolley, J. (2013) 'The Travel Demand Management Program for the London 2012 Olympic Games – Impacts and Lessons', *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15 - 18 July.
- Currie, G.**, Mesbah, M. and **Sarvi M.** (2013) 'New Insights on Transit Network Performance Using Innovative GIS Animation', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.
- Currie, G.**, and **Sarvi M.** (2013) 'Optimizing the Design of Public Transit Priority – Research Progress', *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15 - 18 July.
- De Gruyter, C., **Rose, G.** and **Currie, G.** (2013) 'Assessing the quality of travel plans for new developments', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2013
- De Gruyter, C., **Rose, G.** and **Currie, G.** (2013) 'Travel planning practice for new urban developments in Victoria, Australia', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.
- Delbosc, A.** and **Currie, G.** (2013) 'Exploring Attitudes of Young Adults toward Cars and Driver Licensing', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.

**Delbosc, A. and Currie, G.** (2013) 'Attitudes of Young Australians toward the Environment, Cars and Driver Licensing', *10th Biennial Conference on Environmental Psychology - Symposium on the Psychology of Sustainable Mobility*, Magdeburg Germany, 22 – 25 September.

**Delbosc, A. and Rose, G.** (2013) 'Motorcycle Ridership Trends on Freeways in Melbourne', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.

**Delbosc, A. and Currie, G.** (2013) 'Why are young people less likely to get a driving license?' *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15 - 18 July.

**Delbosc, A. and Currie, G.** (2013) 'Are changed living arrangements influencing youth driver license decline?', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.

**Delbosc, A. and Currie, G.** (2013) 'Investigating attitudes toward cars among young people using online discussion forums', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.

Dias, C., **Sarvi, M., Shiwakoti, N.** and **Ejtemai, O.** (2013) 'Experimental Study on Crowd Egress through Narrow Corridors', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.

Dunant, M. and **Currie, G.** (2013) 'Enhancing Neighborhoods Through Streetcar Development in Paris, France', *12th National Light Rail Conference Sustaining the Metropolis: LRT and Streetcars for Super Cities*, Salt Lake City, United States, 11 – 13 November.

**Fu, X.,** Lei, Z., Wang, K. and Yan, J. (2013) 'Low-Cost Carrier in China: Spring Airline's Effect on Market Competition and its Entry Pattern', *6th International Forum on Shipping, Ports and Airports IFSPA 2013*, Hong Kong, (China), 3 - 5 June.

**Fu, X.,** Wang, K., Lei, Z. and Yan, J. (2013) 'Low-cost Carrier in China: Spring Airline's Effect on Market Competition and its Entry Pattern', *17th World Conference of Air Transport Research Society ATRS 2013*, Bergamo, Italy, 26 - 29 June.

Goh, K., **Currie, G., Sarvi, M.** and Logan, D. (2013) 'Investigating the Road Safety Impacts of Bus Rapid Transit Priority Measures', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.

Goh, K., **Currie, G., Sarvi, M.** and Logan, D. (2013) 'Understanding the Road safety Implications of Bus Priority Measures in Melbourne', *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15 - 18 July.

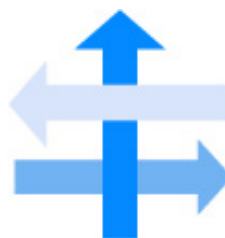
Goh, K., **Currie, G., Sarvi, M.** and Logan, D. (2013) 'Exploring Bus Lane Safety Impacts Using Micro-Simulation', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.

Gong, Q., Wang, K., Fan, X. and **Fu, X.** (2013) 'Why Chinese Airlines Haven't Become Leading Cargo Carriers - Analyzing Air Freight Network and International Trade Drivers for Mainland China', *17th World Conference of Air Transport Research Society ATRS 2013*, Bergamo, Italy, 26 - 29 June.

Gorrini, A., **Sarvi, M.,** Bandini, S., Dias, C. and **Shiwakoti, N.** (2013), 'An empirical study of crowd and pedestrian dynamics: the impact of different angle paths and grouping', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.

Hatton MacDonald, D., **Rose, J. M.,** Cox, D. N. and Lease, H. (2013) 'If you have to eat it, will you tell me the truth?', *International Choice Modelling Conference*, Sydney, Australia, 3 - 5 July.

**Hensher, D. A., Li, Z.** and **Mulley, C.** (2013) 'Drivers of Bus Rapid Transit Systems - Influences on Ridership and Service Frequency', *13th International Conference on Competition and Ownership in Land Passenger Transport - Thredbo 13*, Oxford, UK, 15 - 19 September.



**Ho, C.** (2013) 'Interpersonal cooperation in tour-based mode choice: the role of household resources and spatial setting (Innovation Grant Winner)', *13th World Conference on Transport Research WCTR 2013 RIO*, Rio de Janeiro, Brazil, 15 - 18 July.

**Ho, C. and Mulley, C.** (2013) 'Metrobuses in Sydney: how high capacity and high frequency services are benefiting the metropolitan fringe', *13th International Conference on Competition and Ownership in Land Passenger Transport - Thredbo 13*, Oxford, UK, 15 - 19 September.

**Michael Beesley Award for best workshop paper  
Thredbo 13 Conference**



*L-R: Professor Corinne Mulley, Chinh Ho and Professor David Hensher*

Holguin-Veras, J., Taniguchi, E. and **Thompson, R.G.** (2013) 'The Lessons of the Japan Disasters for Post-Disaster Humanitarian Logistics', *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15 - 18 July.

Howard, K., Jan, S., **Rose, J. M.**, Irving, M., Wong, G., Tong, A., Craig, J. C., Chadban, S., Allen, R. and Cass, A. (2013) 'Factors that influence the decision to donate a family member's organs: results of a best-worst scaling study', *9th World Congress of the International Health Economics Association*, Sydney, Australia, 7 - 10 July.

Howard, K., Jan, S., **Rose, J. M.**, Irving, M., Wong, G., Tong, A., Craig, J. C., Chadban, S., Allen, R. and Cass, A. (2013) 'Community preferences for the allocation of donor organs for transplantation', *9th World Congress of the International Health Economics Association*, Sydney, Australia, 7 - 10 July.

Howard, K., Jan, S., **Rose, J. M.**, Irving, M., Wong, G., Tong, A., Craig, J. C., Chadban, S., Allen, R. and Cass, A. (2013) 'Factors that influence the decision to donate a family member's organs: results of a best-worst scaling study', *Transplantation Society of Australia and New Zealand TSANZ 2013 Annual Scientific Meeting*, Canberra, Australia, 26 - 28 June.

Howard, K., Jan, S., **Rose, J. M.**, Irving, M., Wong, G., Tong, A., Craig, J. C., Chadban, S., Allen, R. and Cass, A. (2013) 'Community preferences for the allocation of donor organs for transplantation', *Transplantation Society of Australia and New Zealand TSANZ 2013 Annual Scientific Meeting*, Canberra, Australia, 26 - 28 June.

Howard, K., Jan, S., **Rose, J. M.**, Irving, M., Wong, G., Tong, A., Craig, J. C., Chadban, S., Allen, R. D. and Cass, A. (2013 forthcoming) 'Making difficult choices: community preferences for allocation of donor organs', *12th Congress of the International Society for Organ Donation and Procurement*, Sydney, Australia, 21 - 24 November.

Howard, K., Jan, S., **Rose, J. M.**, Irving, M., Wong, G., Tong, A., Craig, J. C., Chadban, S., Allen, R. D. and Cass, A. (2013 forthcoming) 'Deciding to donate a family member's organs: what factors are most important to the community? Results of a best-worst scaling study', *12th Congress of the International Society for Organ Donation and Procurement*, Sydney, Australia, 21 - 24 November.

Howard, K., Jan, S., **Rose, J. M.**, Irving, M., Wong, G., Tong, A., Craig, J. C., Chadban, S., Allen, R. D. and Cass, A. (2013) "'I'd register, but I've never been asked..." Key factors influencing decisions about whether to register as an organ donor', *12th Congress of the International Society for Organ Donation and Procurement*, Sydney, Australia, 21 - 24 November.

Ison, S., **Merkert, R.** and **Mulley, C.** (2013) 'Public transport at airports as an environmental strategy – some diverging evidence from the UK and Australia', *17th World Conference of Air Transport Research Society ATRS 2013*, Bergamo, Italy, 26 - 29 June.

**Johnson, M.** and Davey (2013) 'Safer in the country? An investigation of the safety issues related to cycling in regional Victoria', *5th Annual Australian Cycling Conference 2013*, Adelaide, Australia, 21 - 23 January.

**Johnson, M.**, Newstead, S. and Biegler, P. (2013) 'Too drunk to ride? Insights on cyclists' behaviour and attitudes towards alcohol, drugs and cycling', *Proceedings of the 2013 Australasian Road Safety Research, Policing and Education Conference*, Brisbane, Australia, 28 - 30 August.



- Johnson, M. and Rose, G.** (2013) 'Electric bikes – cycling in the New World City: an investigation of Australian electric bicycle owners and the decision making process for purchase', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.
- Johnson, M., Rose, G. and Oxley, J.** (2013) 'Motorised mobility scooters – understanding a growing transport mode for older Australians', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.
- Liu, Z., Meng, Q., Wang, S. and Sun, Z.** (2013) 'Model development and software design for global intermodal shipping network design', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.
- Louviere, J. J., Hatton MacDonald, D. and **Rose, J. M.** (2013) 'Does it all come out in the wash? Tales from the laundry room', *International Choice Modelling Conference*, Sydney, Australia, 3 - 5 July.
- Merkert, R. and Hensher, D. A.** (2013) 'Open access for railways and transaction cost economics - Is the European approach appropriate for all of Australia's train operations?', *13th International Conference on Competition and Ownership in Land Passenger Transport-Thredbo 2013*, Oxford, UK, 15 - 19 September.
- Merkert, R. and Ploix, B.** (2013) 'The impact of terminal re-organisation on belly-hold freight operation chains at airports', *17th World Conference of Air Transport Research Society ATRS 2013*, Bergamo, Italy, 26 - 29 June.
- Merkert, R. and Rose, J. M.** (2013) 'Performing Longitudinal Data Envelopment Analysis With Missing Data – An Evaluation Of Multiple Methods', *26th European Conference on Operational Research EURO XXVI*, Rome, Italy, 1 - 4 July.
- Morrison, M., Hatton MacDonald, D., Boyle, L., **Rose, J. M.** and Duncan, R. (2013) 'Investigating Differences between Internet and Mail Implementation of a Stated-Preference Study While Controlling for Differences in Sample Frames and Self-Selection Effects', *International Choice Modelling Conference*, Sydney, Australia, 3 - 5 July.
- Mulley, C. and Ho, C.** (2013) 'Metrobuses in Sydney: how high capacity and high frequency services are benefiting the Metropolitan fringe', *13th International Conference on Competition and Ownership in Land Passenger Transport - Thredbo 13*, Oxford, UK, 15 - 19 September.
- Mulley, C. and Tsai, C.-H.** (2013) 'Effects of bus rapid transit on housing price: evidence from Sydney, Australia', *13th World Conference on Transport Research WCTR 2013*, Rio de Janeiro, Brazil, 15 - 18 July.
- Pearson, J. and **Merkert, R.** (2013) 'Does airline customer service matter? Linking customer service with airline financial performance', *17th World Conference of Air Transport Research Society ATRS 2013*, Bergamo, Italy, 26 - 29 June.
- Pender, B., **Currie, G., Delbosc, A. and Shiwakoti, N.** (2013) 'Locating Bus Reserves to Minimise Response Times During Unplanned Passenger Rail Disruption', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.
- Pender, B., **Currie, G., Delbosc, A. and Shiwakoti, N.** (2013) 'Short and Tweet? The Role of Social Media in Unplanned Passenger Rail Disruption Management', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2 - 4 October.
- Pender, B., **Currie, G., Delbosc, A. and Shiwakoti, N.** (2013) 'Bus Bridging – The Role it Plays in Managing Unplanned Passenger Rail Service Disruptions', *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15 - 18 July.
- Pender, B., **Currie, G., Delbosc, A. and Shiwakoti, N.** (2013) 'if you Fail to Plan you Plan to Fail: a Survey of Passenger Rail Disruption Recovery Practices', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.
- Rhodes, J. H., **Lok, P.**, Walsh, P. and Loh, W. W. (2013) 'Success in relationship management with service providers in outsourcing', *3rd International Network of Business and Management Journals INBAM 2013*, Lisbon, Portugal, 17 - 19 June.
- Rose, G. and Delbosc, A.** (2013) 'The Use of Motorcycles and Scooters in Melbourne CBD Commuting', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2-4 October.

- Rose, J. M. and Bliemer, M. C. J.** (2013) 'Incorporating analyst uncertainty in model specification of respondent processing strategies into efficient designs for logit models', *59th World Statistics Congress*, Hong Kong, (China), 25-30 August.
- Rose, J. M., Louviere, J. J. and Bliemer, M. C. J.** (2013) 'Efficient stated choice designs allowing for variable choice set sizes', *International Choice Modelling Conference*, Sydney, Australia, 3-5 July.
- Schmidt, L., **Currie, G.** and **Delbosc, A.** (2013) 'Exploring the Impact of Unfamiliar Transit Travel on Attitudes and Behaviour', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13-17 January.
- Schmitt, L., **Currie, G.** and **Delbosc, A.** (2013) 'Exploring the Primacy Effect for New Public Transport Users Using a Journey Planner Survey', *10th Biennial Conference on Environmental Psychology - Symposium on the Psychology of Sustainable Mobility*, Magdeburg, Germany, 22-25 September.
- Schmitt, L., **Currie, G.** and **Delbosc, A.** (2013) 'Exploring first trips on public transport using a Journey Planner web survey', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2-4 October.
- Shen, L.** and **Stopher, P. R.** (2013) 'Using SenseCam to Pursue 'Ground Truth' for GPS Travel Surveys', *14th TRB National Transportation Planning Applications Conference*, Columbus, United States, 5-9 May.
- Shiwakoti, N., Liu, Z., Hopkins, T. and Young, W.** (2013) 'An Overview on Multimodal Emergency Evacuation in an Urban Network', *36th Australasian Transport Research Forum*, Brisbane, Australia, 2-4 October.
- Sobhani, A., **Young, W., Sarvi, M.** and Bahrololoom, S. (2013) 'Using a simulation-based road safety index to assess risk of turning behavior at signalized intersections', *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15-18 July.
- Stopher, P. R.** (2013) 'Travel Demand Management: a 33-year retrospective', *6th International Symposium on Travel Demand Management TDM 2013 - "Integrating TDM strategies"*, Dalian, China, 21-23 August.
- Stopher, P. R., Moutou, C. J. and Liu, W.** (2013) 'Sustainability of Voluntary Travel Behaviour Change Initiatives', *6th International Symposium on Travel Demand Management*, Dalian, China, 21-23 August.
- Sun, L., Meng, Q. and **Liu, Z.**, (2013) 'Transit Assignment Incorporating Dwell Time', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13 - 17 January.
- Thompson, R. G. and Rose, G.** (2013) 'Understanding the use of Powered Two Wheelers within an Australian capital city: The case of Melbourne's Central Business District', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13-17 January.
- Wang, K., **Fu, X.** and Luo, M. (2013) 'Investigating the Impacts of Introducing Emission Trading Scheme to Shipping Industry', *6th International Forum on Shipping, Ports and Airports IFSPA 2013*, Hong Kong, (China), 3-5 June.
- Wang, S., **Liu, Z.** and Meng, Q., (2013) 'Systematic network design for liner shipping services', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13- 7 January.
- Wang, S., Meng, Q. and **Liu, Z.**, (2013) 'Overview on bunker consumption optimization in shipping', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13-17 January.
- Wang, Y.** (2013) 'Conflicts and Delay of Two-Way Traffic Sharing a Single-Way Path', *Transportation Research Board 92nd Annual Meeting 2013*, Washington D.C., United States, 13-17 January.
- Xiao, Y., **Fu, X., Ng, A.** and (2013) 'An Economic Investigation on Port Investment against Climate Change - what decisions should be made by port regulators?', *Third Annual International Workshop on Port Economics and Policy*, Singapore, 8-11 December.
- Yang, H., Zhang, A. and **Fu, X.** (2013) 'Determinants of Airport - Airline Vertical Relationships: Analytical Results and Empirical Evidence', *17th World Conference of Air Transport Research Society ATRS 2013*, Bergamo, Italy, 26-29 June.

**Young, W.**, Miles, C. F. and Aghabayk, K. (2013) 'The spatial distribution of parking policy and usage: a case study of Melbourne, Australia', *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15-18 July.

Zhang, Y. and **Thompson, R. G.** (2013) 'Assessing the environmental performance of road freight companies', *World Conference on Transport Research 2013*, Rio de Janeiro, Brazil, 15-18 July.

Zhuang, W., Luo, M. and **Fu, X.** (2013) 'Does Chinese Port Industry Need More Regulation? – A Game Theory Analysis of Port Specialization', *6th International Forum on Shipping, Ports and Airports IFSPA 2013*, Hong Kong, (China), 3-5 June.

## CONFERENCE PROCEEDINGS

**Beck, M. J.**, Chorus, C., **Rose, J. M.** and **Hensher, D. A.** (2013) 'Random Regret and Random Utility in the Household Purchase of a Motor Vehicle', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

Blainey, S. and **Mulley, C.** (2013) 'Using Geographically Weighted Regression to forecast rail demand in the Sydney Region', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

**Bliemer, M. C. J.**, Raadsen, M., de Romph, E. and Smits, E.-S. (2013) 'Requirements for Traffic Assignment Models for Transport Planning: A Critical Assessment', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

Chang, S. K., Wu, C. H. and **Tsai, C.-H.** (2013) 'Economic characteristics and the minimum efficient scale of Taipei Mass Rapid Transit', *13th World Conference on Transport Research WCTR 2013*, Rio de Janeiro, Brazil, 15 - 18 July.

**Ellison, A. B.**, **Greaves, S. P.** and **Bliemer, M. C. J.** (2013) 'Examining Heterogeneity of Driver Behavior Using Temporal and Spatial Factors', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

**Ellison, A. B.**, **Greaves, S. P.** and Daniels, R. (2013) 'Capturing Speeding Behavior in School Zones Using GPS Technology', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

**Ellison, R.**, **Greaves, S. P.** and **Hensher, D. A.** (2013) 'Medium-Term Effects of London's Low-Emission Zone', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

**Ellison, R.**, **Greaves, S. P.** and **Hensher, D. A.** (2013) 'Priorities in freight operations: importance of costs, vehicles and on-time performance', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

**Greaves, S. P.** and Backman, H. (2013) 'An Empirical Assessment of the Feasibility of Battery Electric Vehicles for Day-to-Day Driving', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

**Greaves, S. P.** and Fifer, S. (2013) 'Exploring Behavioral Responses of Motorists to Risk-Based Charging Mechanisms', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

Hess, S., **Beck, M. J.** and Chorus, C. G. (2013) 'Finding your way out: Utility maximization and regret minimization in the presence of opt out alternatives', *Proceedings of the 3rd International Choice Modelling Conference ICMC 2013*, Sydney, Australia, 3 - 5 July.

**Ho, C. and Mulley, C.** (2013) 'Group travel and public transport use: the effect of fare discounts', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

**Ho, C. and Mulley, C.** (2013) 'Incorporating Intrahousehold Interactions into Tour-Based Model of Public Transport Use in Car-Negotiating Households', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

**Ho, C. and Mulley, C.** (2013) 'Tour-Based Mode Choice of Joint Household Travel Patterns on Weekend and Weekday', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

Lin, T. and **Truong, T.** (2013) 'Transport Improvement, Agglomeration Effect, and Urban Productivity: Case Study of Chinese Cities', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington, D.C., United States, 13-17 January.

**Merkert, R.** and Mangia, L. (2013) 'Explanatory Power of Different Data Envelopment Analysis Models for Determining Airports' Cost Efficiency', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

**Mulley, C.** and Ison, S. (2013) 'Hypothecation and the parking levy: lessons from Sydney and Nottingham', *Proceedings of the 13th World Conference on Transport Research WCTR 2013*, Rio de Janeiro, Brazil, 15 - 18 July.

**Mulley, C.** and Reedy, L. (2013) 'Research into Policy: Improving the research evidence base for transport policy makers in NSW', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

**Mulley, C. and Tsai, C.-H.** (2013) 'The impact of Liverpool-Parramatta Transitway on housing price: a repeat sales approach', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

Pearson, J. and **Merkert, R.** (2013) 'Low-Cost Airlines-Within-Airlines: Business Model Moving East', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

**Rose, J. M.,** Hess, S., Greene, W. and **Hensher, D. A.** (2013) 'Generalized Multinomial Logit Model: Misinterpreting Scale and Preference Heterogeneity in Discrete Choice Models or Untangling the Un-Untangleable?', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

**Rose, J. M., Mulley, C., Tsai, C.-H. and Hensher, D. A.** (2013) 'Will bus travellers walk further for a more frequent service? A Stated preference investigation', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

**Shen, L. and Stopher, P. R.** (2013) 'Should we change the rules for trip identification for GPS travel records', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

**Stopher, P. R., Greaves, S. P. and Shen, L.** (2013) 'Comparing Two Processing Routines for GPS Traces - Lessons Learnt', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

**Stopher, P. R., Moutou, C. J. and Liu, W.** (2013) 'Sustainability of Voluntary Travel Behaviour Change Initiatives – a 5-Year Study', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

**Truong, T. and Hensher, D. A.** (2013) 'Linking Discrete Choice to Continuous Demand in a Computable General Equilibrium Model – With Applications to Economic Policy Evaluation', *Proceedings of the 3rd International Choice Modelling Conference ICMC 2013*, Sydney, Australia, 3 - 5 July.

**Tsai, C.-H. and Mulley, C.** (2013) 'Benchmarking the Efficiency Performance of International Metro Systems', *Proceedings of the 10th International Conference of Eastern Asia Society for Transportation Studies*, Taipei, Taiwan, 9 - 12 September.

**Tsai, C.-H. and Mulley, C.** (2013) 'How does the efficiency performance of Sydney CityRail compare with international urban rail systems?', *Proceedings of the 36th Australasian Transport Research Forum ATRF 2013 - "Transport and the New World City"*, Brisbane, Australia, 2 - 4 October.

**Tsai, C.-H., Leong, W., Mulley, C. and Clifton, G.** (2013) 'Examining Estimation Bias and Efficiency for Pseudo Panel Data in Travel Demand Analysis', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

**Tsai, C.-H., Mulley, C. and Clifton, G.** (2013) 'Examining the Local Interaction between Public Transport Demand and Land Use Characteristics Using Geographically Weighted Regression', *Proceedings of the 92nd Annual Meeting of the Transportation Research Board - "Deploying Transportation Research - Doing Things Smarter, Better, Faster"*, Washington D.C., United States, 13 - 17 January.

## WORKING PAPERS

***Confidence intervals of willingness-to-pay for random coefficient logit models***

Michiel C.J. Bliemer and John M. Rose

***Direct and cross elasticities for freight distribution access charges***

David A. Hensher, Andrew T. Collins, John M. Rose and Nariida C. Smith

***Sunday drive: Review of automobile ownership, societal and environmental impacts and behavioural change***

Matthew J. Beck

***Freeway drivers willingness to pay for speeding fines***

Rong-Chang Jou, David A. Hensher, Ke-Hong Chena and Pei-Lung Wanga

***A model for the simultaneous inference of attribute nonattendance and taste heterogeneity***

Andrew T. Collins, John M. Rose and David A. Hensher

***Accounting for travel time variability in the optimal pricing of cars and buses***

Alejandro Tirachini, David A. Hensher and Michiel C. J. Bliemer

***A new planning system for NSW: Comments and review of green paper***

Alastair Stone

***Contractual approach to optimising risk sharing: A quantitative study of the multidimensional nature of risk in private provision of road infrastructure***

Demi Chung, David A. Hensher and John M. Rose

***A future in manufacturing: Major issues to be resolved by Australia Pty Ltd***

David Walters and Jyotirmoyee Bhattacharjya

***Investigating the impacts of introducing emission trading scheme to shipping industry***

Kun Wang, Xiaowen Fu and Meifeng Luo

***Returns to scale in the electricity supply sector, imperfect competition, and efficiency of climate change policies***

Truong P. Truong

***Sustainability of voluntary travel behaviour change initiatives: A 5-year study***

Peter R. Stopher, Claudine J. Moutou and Wen Liu

***Estimation of stochastic scale with best-worst data***

Andrew T. Collins and John M. Rose

***The impact of terminal re-organisation on belly-hold freight operation chains at airports***

Rico Merkert and Boris Ploix

***An empirical assessment of the feasibility of battery electric vehicles for day-to-day driving***

Stephen P. Greaves and Henry Backman

***Requirements for traffic assignment models for strategic transport planning: A critical assessment***

Michiel C.J. Bliemer, Mark Raadsen, Erik de Romph and Erik-Sander Smits

***Comparing two processing routines for GPS traces: Lessons learnt***

Peter R. Stopher, Stephen P. Greaves and Li Shen

***How much does new transport infrastructure add to land values? Evidence from the bus rapid transit system in Sydney, Australia***

Corinne Mulley and Chi-Hong Tsai

***The impacts of production base relocation on port cluster competition: The case of the Pearl River Delta region***

Winai Homosombat, Adolf K.Y. NG and Xiaowen Fu

***Demand for taxi services: New elasticity evidence for a neglected mode***

John M. Rose and David A. Hensher

***Evaluating and improving software for identifying trips, occupancy, mode and purpose from GPS traces***

Peter Stopher, Jun Zhang and Christine Prasad

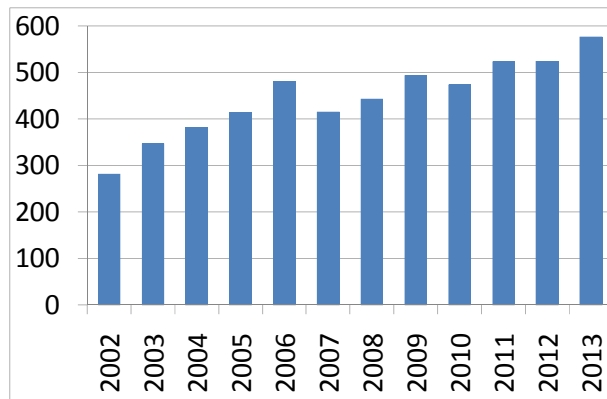
***Interpreting discrete choice models based on best-worst data: A matter of framing***

John M. Rose

## LEARNING AND TEACHING

### UNDERGRADUATE

#### ITS-MONASH



*Undergraduate unit of study enrolments 2002-2013  
(ITS-Monash)*

#### UNITS OF STUDY

- Transport and Traffic (CIV2282)
- Road engineering (CIV3283)
- Transport Planning (CIV4283)
- Transport Systems (CIV4284)

The **Traffic Group Undergraduate scholarship** is generously offered to up to two students undertaking the Bachelor of Engineering who have an interest in and intend to pursue careers in transport engineering. In 2013 the scholarships were awarded to Alexis Souchon and Thomas Harrison who received financial assistance and a 12 week work placement with the Traffic Group.

Over 40 undergraduates at ITS-Monash also undertook the following honour's projects as part of the units CIV4210 Project A and CIV4211 Project B under the supervision of Associate Professor Majid Sarvi, Professor Graham Currie, Professor William Young, and Professor Geoff Rose, Dr Nirajan Shiwakoti, Dr Terry Liu and Dr Alexa Delbosc.

## POSTGRADUATE COURSEWORK

### ITS-MONASH

ITS-Monash in conjunction with the Department of Civil Engineering offers postgraduate coursework programs in transport and traffic engineering which continue to attract strong interest from throughout Australia and overseas. Units offered by ITS-Monash contribute to the following distance education courses:

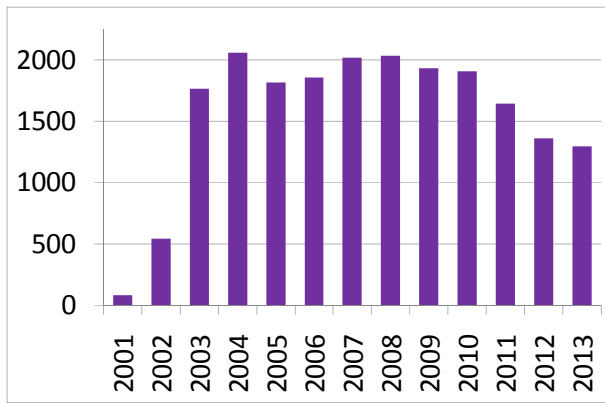
- Master of Infrastructure Engineering and Management (8 units)
- Master of Transport (8 units)
- Master of Traffic (8 units)
- Postgraduate Diploma in Transport and Traffic (8 units)
- Graduate Certificate in Transport and Traffic (4 units)

#### UNITS OF STUDY

- Traffic Engineering Fundamentals (CIV5301)
- Road Traffic Engineering and Management (CIV5302)
- Quantitative Methods (CIV5303)
- Intelligent Transport Systems (CIV5304)
- Transport Modelling (CIV5305)
- Road Safety Engineering (CIV5306)
- Parking Policy and Design (CIV5307)
- Case Studies in Transport (CIV5308)
- Transport Policy and Planning (CIV5314)
- Transport Economics (CIV5315)
- Fundamentals of Urban Public Transport (CIV5316)

#### **China Master's Program (in partnership with South East University in China)**

- Intelligent Transport Systems: Engineering and Management (CIV5318)
- Quantitative Methods for Transportation System Analysis (CIV5319)
- Case Studies in Transport (CIV5320)
- Sustainable Transportation Systems Planning (CIV5321)
- Urban Public Transport Systems (CIV5322)
- Modelling Transport Systems (CIV5406)



**Postgraduate coursework unit of study enrolments  
2001-2013 (ITS-Monash and ITLS-Sydney)**

## ITLS-SYDNEY

The degree programs offered by ITLS-Sydney in 2013 were:

- Master of Logistics or Transport Management (10 units)
- Masters of Logistics and Transport Management (16 units)
- Master of Commerce, specialisation in Logistics and Supply Chain Management (16 units)
- Master of Logistics Management combined with the Master of Commerce (16 units) or Master of International Business (12 units)
- Graduate Diploma in Transport or Logistics Management (6 units)
- Graduate Certificate in Transport or Logistics Management (4 units)

## GRADUATE WORK PLACEMENT PROGRAM

The work placement program offers ITLS-Sydney graduates the opportunity to gain valuable real world experience with our partners in the logistics and transport industry. More than 60% of our graduates have been offered permanent positions on completion of their placements. The success of the program lies in this win-win situation for graduates and employers; giving employers access to some of our brightest graduates and providing our graduates with opportunities in the real business world. Companies who provided placements in the program in 2013 included: AWA Ltd; BCR; Community Transport Organisation NSW; and the Transport Workers Union.

## UNITS OF STUDY

Total enrolments for each unit are shown in brackets.

- Analysis Tools for Transport and Logistics [96]
- Aviation Management and Logistics [41]
- Geographical Information Systems [10]
- Intelligent Transport and Logistics Systems [27]
- International Freight Transportation [36]
- International Logistics [102]
- Logistics and Supply Chain Management [153]
- Logistics in Humanitarian Aid Projects [20]
- Logistics Systems [38]
- Maritime Logistics [40]
- Organisational Logistics [92]
- Project Management in Supply Chains [37]
- Public Transport Policy and Planning [14]
- Railway Planning and Operations [15]
- Research Project [1]
- Retail Logistics Management [22]
- Reverse Logistics and Closed Loop SCM [63]
- Strategic and Operational Procurement [26]
- Strategic Transport Modelling [13]
- Sustainable Transport and Logistics Systems [29]
- Traffic Systems Management and Control [9]
- Transport and Logistics Strategy [41]
- Transport Modes and Systems [33]
- Transport Policy [21]
- Value Chain Management [86]



**MODERN LOGISTICS AND SUPPLY CHAIN  
MANAGEMENT EMBA STUDY COURSE, OVERSEAS  
EDUCATION COLLEGE, SHANGHAI JIAO TONG  
UNIVERSITY, CHINA**

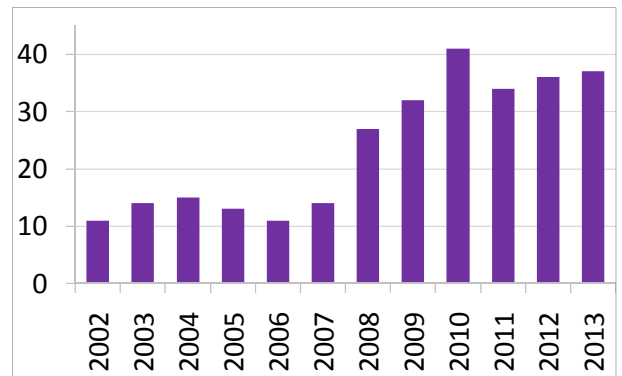


**Students on the EMBA Study Course, OEC-SJTU**

ITLS-Sydney has an agreement with Shanghai Jiao Tong University, one of China’s leading universities, to deliver specialist logistics courses into their Modern Logistics and Supply Chain Management EMBA Study Course. In 2013 courses were delivered in Reverse Logistics and Retail Logistics. These subject areas are involved with the efficient manufacture and distribution of products, as well as the disposal of products at the end of their life. The courses are very strong on international product and service distribution and providing an appreciation of what the global market is doing. There was an overwhelmingly positive response to these courses.

Gareth Jude, who delivered the course on Retail Logistics, commented that he had enjoyed the challenge of adapting his material for the local context and pacing the delivery to simultaneous translations in Mandarin: *“Teaching a condensed three day course to a group of 30+ Chinese business owners and ‘C’ level executives over a weekend in the height of Shanghai summer through an interpreter was always going to be a challenge. However with great support from SJTU and the active collaboration of the students we had a very productive and enjoyable weekend. The students were particularly engaged by practical case material and gave the course glowing feedback. I look forward to returning next year.”*

**HIGHER DEGREES BY RESEARCH**



**Higher Degree by Research Enrolments 2002-2013  
(ITS-Monash and ITLS-Sydney)**

The Key Centre has the highest number of enrolments in higher degrees by research in the transport and/or logistics field in Australia. In 2013, nine students graduated from our doctoral programs, with 32 continuing enrolments. Many of our students won highly competitive scholarships from Monash or Sydney University, and from government and industry bodies in Australia and overseas. Our students come from all over the world to research in a diverse range of transport and logistics areas; details of our students and graduates, and their research topics, are listed below.



**ITS-Monash Higher Degree by Reseach Students**

**L-R: Mostafizur Rahman, Shahi Taphsir Islam, Ahmed Mirza, Farhana Naznin, Milad Haghani, Yan Y Yang, Chris De Gruyter, Richard Amoh-Gyimah, Katerina Pavkova, Long Truong, Saeed Asadi Bagloee**

## STUDENTS

Asif Ahmed (Bangladesh)

*Analysis of travel time expenditure and budgets from multi-day multi-year GPS data*

Farhana Ahmed (Bangladesh)

*Impact of Weather on Commuting Cycling Behaviour and possible effects of climate change*

David Alexander (Australia)

*Aviation management*

Babak Amani (Iran)

*Ownership and usage of powered two-wheeled vehicles*

Australian Postgraduate Award Industry

Richard Amoh-Gyimah (Ghana)

*Exploring the effect of land use and socio-economics characteristics on transport network dynamics: a macro approach*

Saeed Asadi Bagloee

*Transit priority optimization using mathematical modelling*

Yujie Cai (China)

*Supply chain interaction and overlap*

Shelley Xiaying Cao (China)

*Transportation safety*

Montathip Chanpum (Thailand)

*The influence of supply chain relationships on empty container management*

Charitha Dias (Sri Lanka)

*Crowd dynamics in complex environments under normal and panic conditions*

Adrian Ellison (New Zealand)

*Improving road safety: An analysis of drivers' risk perceptions, personality and observed behaviour*

Richard Ellison (New Zealand)

*Modelling policy-induced changes in freight vehicle externalities*

David Emerson (Australia)

*The effect of ownership and competitive market arrangements on the ability of commercial enterprises to achieve government objectives for public transport, and on the effective evolution of the public transport product*

Kelvin Goh (Singapore)

*Exploring the road safety impact of transit priority measures*

Singapore Land Transport Authority Scholarship

Chris De Gruyter (Australia)

*Travel plans in the context of the planning process*

Milad Haghani (Iran)

*Underspensing traveller route choice behaviour in uncertain conditions*

Shahi Taphsir Islam (Bangladesh)

*Sustainable park-and-ride network design*

Waiyan Leong (Singapore)

*Embedding heuristics in choice models*

Ahmed Mirza (Pakistan)

*A new methodology to measure transport network reliability: integrating structural reliability and transport connectivity*

Mike Moffatt (Australia)

*The influence of multiple axle loads on pavement performance*

Farhana Naznin (Bangladesh)

*Exploring the road safety impacts of tram priority treatments*

Jeffrey Newton (UK)

*Cost management in customer-supplier relationships and networks with a focus on activity based costing*

Katerina Pavkova (Czech Republic)

*Exploring the use of Lorenz curves as a means of understanding the operational performance of urban passenger transport*

Brendan Pender (Australia)

*Understanding and enhancing proactive planning approaches for the bus bridging problem*

Joe Fai Poon (Singapore)

*Analysing the effects of travel information on travellers' decision making and learning*

Singapore Land Transport Authority

Mustafizur Rahman (Bangladesh)

*Perceptions of safety of rail passengers and link to crime, anti-social behaviour and environmental design*

Li Shen (China)

*New procedures for mode and purpose imputation in GPS travel traces*

Lorelei Schmitt (United States)

*Exploring the impact of first impressions on public transport use*

Metlink Scholarship

Christopher Standen (Australia)

*The transport, health and economic impacts of cycling infrastructure, and frameworks for improved transport project appraisal*

Long Truong (Vietnam)

*Understanding operational effects of combinations of public transport priority measures*

Yan Y Yang (China)

*Understanding quality aspects of urban public transport for international tourism*

Zeyan Zhang (China)

*Supply chain disruption costs in the international maritime industry*

## GRADUATES

Dr Elizabeth Barber

*Strategic issues in supply chain management*

Dr Alex Delbosc

*The impact of transport on subjective well-being*

Dr Seyed Kayvan Aghabayk Eagley

*Modelling heavy vehicle car-following in congested traffic conditions*



Dr Chinh Quoc Ho

*An investigation of intra-household interactions in travel mode choice*

Dr Hossein Khakbaz

*Inventory management of containers at multiple planning levels*

Dr Claudine Moutou

*Sustainable transport access in town centres:*

*A goal-orientated decision-making*

*perspective on the adaptive power of small business*

University of Sydney

Business School

Research Scholarship



Dr Michael Chater Shackleton

*Considerations in valuing road agency-funded road infrastructure research in Australia.*



Dr Amir Sobhani

*Developing a modelling framework to assess Safety performance of intersections*

Dr Chi-hong Tsai

*The linkage between public transport demand elasticities and land use characteristics: a longitudinal study*

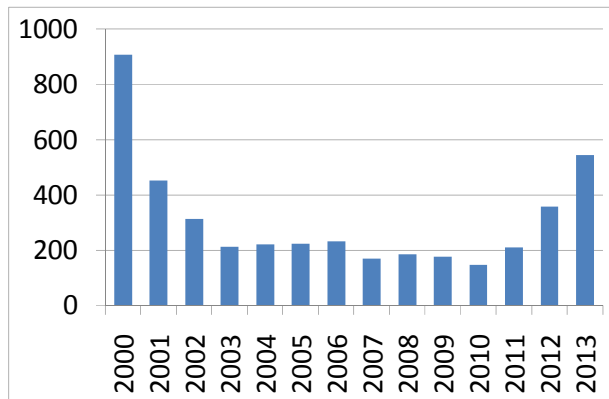
# PROFESSIONAL DEVELOPMENT

## ITS-MONASH

### SAFETY MANAGEMENT COURSE IN BUS AND COACH OPERATIONS



*Bus and Coach Course coordinator Bill Kilpatrick with a student*



***Transport Management Course in Bus and Coach Operations 2000-2010; 2011-2013 Safety Management Course and Transport Management Course for Bus Operations***

The first Transport Management Course (TMC) in Bus and Coach Operations in Victoria was launched in 1999. By the end of 2010, more than 1,900 operators had completed the course. A comprehensive review of transport legislation in Victoria led at the end of 2010 to the introduction of a new regulatory regime for bus operations in Victoria. This regime focused on Safety Management with a lesser emphasis on Business Management. ITS-Monash was commissioned by the Safety Director of Transport Safety Victoria to design and deliver an approved training course which would equip bus operators with the necessary competencies to offer bus services that met regulatory and other compliance requirements in Victoria. The Safety Management Course (SMC) for Bus Operators was launched in 2011. In 2013 it attracted 554 enrolments.

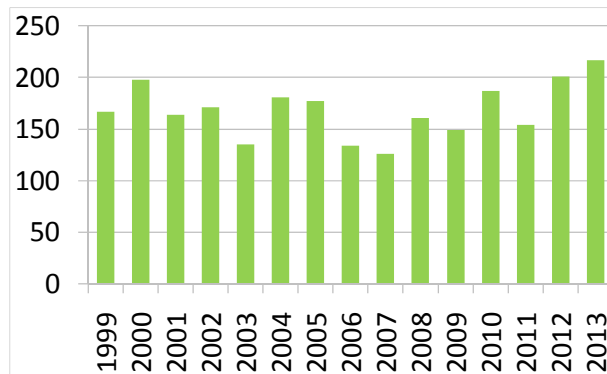
The SMC partially replaces the old TMC and enables operators to enter the industry and offer a range of bus services. However, unlike the old TMC, the SMC does not include a business management component that enables operators to undertake contractual services. To address this problem, a new Transport Management Course (TMC) for bus operators was designed and launched at the beginning of 2012. This program is an essential component of any service bid by a bus company in Victoria. The new TMC incorporates the SMC as well as a robust business management component and caters for those operators seeking entry to contractual services and/or professional development training. Companies who have completed the old TMC do not have to undertake the new TMC so new entrants to the industry are the target market.

### **PUBLIC TRANSPORT PLANNING I AND II – NETWORK AND STRATEGIC PERSPECTIVES**

Both industry short courses in public transport planning (I and II) were run in Melbourne in August. Participants come from a variety of professional backgrounds, including public transport operators and state government agencies from throughout Australia and overseas. The course was presented by Professor Graham Currie and Professor Avi Ceder from the University of Auckland. Topics covered include strategic perspectives on planning public transport, performance monitoring and network design, operational perspectives, transit marketing and fare structures.

## ITLS-SYDNEY

### BUS AND COACH OPERATOR ACCREDITATION SCHEME

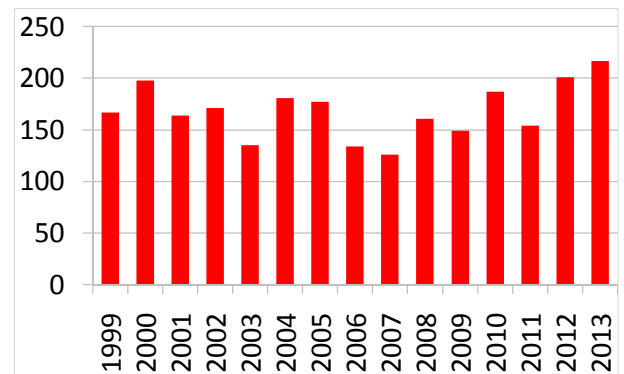


**Bus and Coach Operator Accreditation Scheme enrolments 1999-2013 (ITLS-Sydney)**

The Bus and Coach Operator Accreditation Scheme Online Training Course (BOAS) attracted a record 217 enrolments in 2013 marking a significant milestone of more than 1,000 enrolments since the course was introduced in 2007, with a total of 1,195 participants. The BOAS online course is approved by Transport for NSW as meeting the accreditation requirement of competency to operate bus and coach services. Under the Passenger Transport Act (1990), operators of bus and coach services must be accredited by the Director General of Transport. One of the accreditation requirements is that applicants must be competent to operate a bus service. To meet the requirement of being competent applicants must pass the BOAS examination. The BOAS course includes four modules: i) Accreditation; ii) Management Information System; iii) Vehicle Maintenance Management System; and iv) Safety Management Systems. The BOAS course is delivered through online learning materials including notes, case studies, online quizzes, and a discussion board.

### CERTIFICATE OF TRANSPORT MANAGEMENT

The Certificate of Transport Management (CTM) maintained enrolments in 2013 with 37 participants from the bus industry and their suppliers (NSW and interstate) and government enrolled in the CTM and CTM Refresher programs. The CTM provides knowledge and skills in management, planning and policy areas central to the success of the bus and coach industry, to operators, suppliers and consultants. It introduces participants to the latest developments in the industry and is recognised as an important industry qualification for middle and senior management, and an excellent opportunity for career development. The four day program includes presentations by industry representatives, specialist consultants and academic experts, designed to develop practical skills for the industry, as well as interactive exercises. The networking benefits are an important aspect of the CTM. The course content is reinforced by four assignments completed after the course. The CTM is supported by Transport for NSW, the State Transit Authority, BusNSW and private operators.



**Certificate of Transport Management enrolments 1999-2013 (ITLS-Sydney)**

## UNDERSTANDING PUBLIC TRANSPORT PLANNING FOR COMMUNITIES

In February, ITLS-Sydney hosted a one day course on network planning was to better understand the principles, guidelines and the trade-offs for public transport planning in NSW. The course was presented by Professor Corinne Mulley, NSW Chair in Public Transport, Dr Geoffrey Clifton and Clayton Davidson from Busways. The course benefited state and local government planners, community representatives and transport operators. The course was designed to assist participants to work with transport operators with a better understanding of how operators plan their services and what the trade-offs and constraints are in planning services. The course also benefited operators and their staff who are new to the industry in NSW or who have not recently undertaken professional development programs such as the Certificate of Transport Management.

## INTRODUCTION TO DISCRETE CHOICE MODELLING



*Course text: Applied Choice Analysis: A Primer (2005) by Professor David Hensher, Dr John Rose and Professor William Greene, published by Cambridge University Press*

Almost without exception, everything human beings undertake involves a choice. In recent years there has been a growing interest in the development and application of quantitative statistical methods to study choices made by individuals or groups with the purpose of gaining a better understanding both of how choices are made and of forecasting future choice responses. Courses in discrete choice modelling and choice experiment design have been offered by ITLS-Sydney since 2006, and are presented by world experts in the field: Professors David Hensher, John Rose and Michiel Bliemer. This week long introductory course, held in January 2013, attracted international participants from as far afield as Malaysia and The Netherlands. Abridged versions of these courses have also been presented in Italy (2008, 2009 and 2010), Portugal (2009), Singapore (2007), South Africa (2008) and The Netherlands (2007).

## STUDENT AWARDS

### ITS-MONASH

#### UNDERGRADUATE

The following awards recognised excellence in achievement amongst bachelor of engineering students.

#### The GHD Highway Design Prize

*Awarded to the group of Bachelor of Engineering students who submitted the best highway design project*

**Andrew Li, Anthony Leung and Terry Wei**

#### The Richardson Prize in Transport

*Awarded to the Bachelor of Engineering student showing the greatest proficiency in one transport elective and project*

**James Dear**

#### The Traffix Group Prize

*Awarded to the Bachelor of Engineering students showing the greatest proficiency in transport engineering elective subjects*

**Timothy Powell**

#### POSTGRADUATE

The 2013 Ogden lecture provided an ideal forum to present a number of prizes for excellence in postgraduate work.

#### The VicRoads Prize in Transport Engineering

*Awarded to the postgraduate student who has achieved the highest average mark in their coursework units*

**Nicole West**



*Nicole West (L) is awarded the VicRoads Prize by Gary Liddle, CEO of VicRoads*

#### ARRB-Monash Prize for Postgraduate Transport Research

*For excellence in postgraduate research in transport*

**Charitha Dias**



*Charitha Dias (R) is awarded the ARRB-Monash Prize by Gerard Waldron, General Manager of ARRB*

#### William Young Alumnus Award

*For exceptional service to the Transport Industry by an alumnus of Monash University*

**Ken Daley**



*Ken Daley (R) is awarded the William Young Alumnus Award by Professor William Young*

## INDUSTRY PROGRAM

The presentation of awards to outstanding students in the Transport Management Course in Bus and Coach Operations (now the Safety Management Course for Bus Operators) is held in conjunction with the annual Ogden Lecture. This high profile event provides the ideal forum in which to recognise the achievements of our most successful students. Awards are sponsored by industry and government and recognise the achievements of operators completing subjects in the course.

### Driver Group Award

*For the best performance in the Transport Management Course, Subject 5103 Financial Managements for Bus Operations*

**Jason Worme**



*Jason Worme (R) is awarded the Driver Group Award by Robert Nadalin*

### Crown Coaches Award

*For the best performance in the Safety Management Course, Subject 5102 Safety Risk Management for Bus Operators*

**Vivienne Eyles**



*Vivienne Eyles (R) is awarded the Crown Coaches Award by Ian McKean*

### Dyson Group Award

*Best performance in Safety Management Course, Subject 5101: Introduction to Bus Safety*

**Debra McNamara**



*Debra McNamara (R) is awarded the Dyson Group Award by Lance Deacon*

### Ventura Group Award

*Best performance in Transport Management Course, Subject 5104: Business Development for Bus Operators*

**Carolyn Asbock**



*Carolyn Asbock (R) is awarded the Ventura Group award by Andrew Cornwall*



**Transport Safety Victoria Award**

*For the best overall performance in the Safety Management Course for Bus Operators*

**Vivienne Eyles**



*Vivienne Eyles (R) is awarded the Transport Safety Victoria Award by Stephen Turner*

**Bus Vic Award**

*For the best overall performance in the Transport Management Course for Bus Operators*

**Carolyn Asbock**



*Carolyn Asbock (L) is awarded the BusVic award by Cliff Taylor*

## ITLS-SYDNEY

The presentation of awards to our students is an opportunity to celebrate the success of the Institute with our staff, students, Board of Advice, industry partners, and the sponsors of prizes. The 2013 Awards Night was held in the Forum Restaurant in the Darlington Centre at the University of Sydney on Saturday 13 April.

### Welcome address



*Professor David Hensher, Director, ITLS-Sydney*

### Special guest



*Professor Mark Wardman, Institute of Transport Studies, University of Leeds, UK*

### Closing remarks



*Professor Tyrone Carlin, Co-Dean, University of Sydney Business School and Pro-Vice Chancellor (Education Operations)*

## Presentation of Awards

### The Chartered Institute of Logistics and Transport Australia (CILTA)

#### Ken Hillyar Award

*For the best student in a masters program with a major in transport or logistics management*



*Presented to Leonardus Hunneman (R) by Peter Koning, Chair, CILTA NSW Section*

#### The Sir Hudson Fysh Award

*For the best student in a masters program with a major in transport or logistics management*



*Presented to Miguel Roxas (R) by Peter Koning, Chair, CILTA NSW Section*

**The Mrs MA Ching Prize**

*For outstanding achievement in the graduate program in transport or logistics*



*Presented to Maj-Britt Pohlmann (R) by Dr Alastair Stone, Chair, ITLS-Sydney Board of Advice*

**Logistics Association of Australia (LAA) Award**

*For outstanding achievement in the logistics program*



*Presented to Favio Del Castillo Lopez (R) by Denis Horder, President, LAA*

**The Institute of Transport and Logistics Studies Award**

*For research excellence in transport or logistics*



*Presented to (L-R) Chi-Hong Tsai and Chinh Ho by Professor Tyrone Carlin (R), Co-Dean, University of Sydney Business School*

**BusNSW Prize**

*For best overall performance in the Certificate of Transport Management program*

Presented to Andrew McGill by Darryl Mellish, BusNSW

**Presentation of Certificate of Transport Management**



*Graduates of the Certificate of Transport Management program with Darryl Mellish (L), Director, BusNSW*

**Our guests**





## PUBLIC LECTURES AND SEMINARS

### ITS-MONASH

#### ANNUAL OGDEN TRANSPORT LECTURE

ITS-Monash's Ogden Transport Lecture is a free public lecture initiated in 2001 to recognise the key role which Ken Ogden played in the formation and development of the transport program at Monash University.



*Professor Frieder Seible presents:  
Protecting our transportation infrastructure against  
natural and man-made hazards*

The 2013 Ogden Transport Lecture was delivered on 19 August 2013 by **Professor Frieder Seible**, Vice President (Academic) and Dean of Faculties of Engineering and Information Technology at Monash University. The lecture explored the vulnerability of our transportation infrastructure against natural disasters such as earthquakes and floods and man-made disasters such as terrorist attacks and fires. The combination of the content, and the professional presentation style, clearly engaged the audience and produced an insightful question and answer segment following the lecture.



*L-R: Associate Professor Majid Sarvi and Professor  
Frieder Seible at the 2013 Ogden Transport Lecture*

### TRANSPORTATION RESEARCH WORKSHOP SEMINAR SERIES

24 January 2013

***Containership Routing and Scheduling in Linear Shipping: Overview and Future Research Directions***

Dr Shuaian Wang, University of Wollongong

27 February 2013

***Modelling the Toll Design Problem of Urban Congestion Pricing***

Dr Terry Liu, ITS-Monash

25 March 2013

***Implementation of Travel Plans at New Residential Developments***

Chris De Gruyter, ITS-Monash

8 May 2013

***Travel Planning in a Corporate Environment***

Sue Wiblin, The GPT Groups

31 May 2013

***Leveraging Big Data for Equity and Efficiency in Public Transport Systems***

Dr Nick Lownes, University of Connecticut

3 September 2013

***Rail Disruption: Passenger Focused Recovery***

Dr Todd Niven, Faculty of Information Technology,  
Monash University

28 October 2013

***Building the Backbone of the Nation- The Japanese Experience***

Gen Okajima, Central Japan Railway Co

1 November 2013

***Can Britain Get Cycling***

Richard Armitage, Richard Armitage Transport  
Consultancy Ltd

29 November 2013

***Korea Train eXpress (KTE) Effects and Socio-Economic Changes***

Dr Dae Seop Moon, Korea Railroad Research  
Institute

### INTERNATIONAL VISITORS

Many of the presenters in the Transportation Research Workshop Seminar Series visited ITS-Monash for a number of days or weeks, meeting with colleagues and undertaking collaborative research. ITS-Monash also welcomed Professor Serge Hoogendoorn and Dr Raymond Hoogendoorn, Delft University of Technology, Netherlands; Professor William Lam, The Hong Kong Polytechnic University; and Professor Abolfazl Mohammadian, University of Illinois at Chicago, USA.

## ITLS-SYDNEY

### LEADERSHIP AND POLICY SEMINAR SERIES

5 February 2013

#### **Infrastructure NSW: A Chairman's View**

Nick Greiner, Chairman, Infrastructure NSW

19 February 2013

#### **Boosting productivity through supply chain efficiency. How the COAG seamless economy agenda is critical to advancing the national productivity agenda**

Michael Kilgariff, CEO, Australian Logistics Council

5 March 2013

#### **Transport policy in large cities: from mediocrity to mentor**

John Morandini, Author of "Watch the Road"



19 March 2013

#### **How emerging technology can help address the issues of productivity in the supply chain**

Charlie Macdonald, General Manager for Manufacturing, Transport and Logistics, Telstra

9 April 2013

#### **Business travel value of time savings – so what did Hensher do for Europe?**

Professor Mark Wardman, Visiting Professor, ITLS-Sydney; Institute of Transport Studies, University of Leeds, UK

7 May 2013

#### **Maximising Sydney Airport and Port Botany**

Kerrie Mather, CEO, Sydney Airport



22 May 2013

#### **High speed rail for Australia - Is it value for money?**

Professor David Hensher and Dr Rico Merkert (ITLS-Sydney), Peter Koning (Chairman, CILTA NSW), Peter Humphreys (Vice President, Global Transit,

AECOM), Gen Okajima (General Manager, Central Japan Railway Company, Sydney Office) and The Hon John Alexander MP (Federal Member for Bennelong)

18 June 2013

#### **Road pricing reform: A simple, fair, publicly acceptable, and revenue-neutral distance based discounting strategy**

Professor Michiel Bliemer, Chair in Transport and Logistics Network Modelling, ITLS-Sydney

2 July 2013

#### **Improving the basis of travel demand forecasting**

Dr Andrew Daly, Senior Research Fellow, RAND Europe; Research Professor, Institute for Transport Studies, University of Leeds, UK

25 July 2013

#### **Decision making and risk - the inevitability of mistakes**

Associate Professor Fred Lazar, Schulich School of Business, York University (Toronto), Canada

20 August 2013

#### **The use of activity based models for transport project evaluation**

Associate Professor Yoram Shiftan, ITLS-Sydney Visiting Scholar; Technion Israel Institute of Technology

27 August 2013

#### **Malcolm will talk to the fragile state of airline profitability and comment on some of the current market place activity in Australia and globally**

Malcolm Ramsay, Global Head of Aviation, KPMG



3 September 2013

#### **Closing the infrastructure gap - funding, finance and PPP policy considerations**

David Asteraki, Director Infrastructure, KPMG

10 September 2013

#### **The principles and guidelines on economic appraisal of transport investment and initiatives**

Julieta Legaspi, Finance Audit and Strategy Division, Transport for NSW

22 October 2013

#### **Land use/ transport integration: from project to place**

Professor John Stanley, ITLS-Sydney

12 November 2013

#### **Aviation industry dynamics: The Virgin Australia view**

John Borghetti, Chief Executive Officer and Managing Director, Virgin Australia Group of Airlines

19 November 2013

***Port-centric logistics and what it could do for Sydney***

Professor Michael Bell, ITLS-Sydney

25 November 2013

***The challenge of providing efficient rail services - delivering today's rail network and planning for future improvement***

Sir David Higgins, Chief Executive Officer, Network Rail, UK

26 November 2013

***Using smart card and GPS data for policy and planning: the case of Transantiago***

Professor Marcela Munizaga, ITLS-Sydney Visiting Scholar; Universidad de Chile

3 December 2013

***Scalability of air transport systems and estimations of spillover effects from airport congestion - The case of London Heathrow***

Professor Sveinn Gudmundsson, ITLS-Sydney Visiting Scholar; Toulouse Business School, France

10 December 2013

***International public transport benchmarking - learning from others: how the world's major transport providers are improving performance, management and policy decisions through a structured process***

Ben Condry, Railway and Transport Strategy Centre, Imperial College London, UK

## **INTERNATIONAL VISITORS**

Many of the presenters in the Leadership and Policy Seminar Series visited with ITLS-Sydney for a number of days or weeks meeting with colleagues and undertaking collaborative research. ITLS-Sydney also welcomed visitors from: Chile, Tomas Errazuriz, Universidad Catolica del Maule; China, Dr Jin Chun, Dalian University of Technology and Bojian Zhou, Southeast University; France, Jeremy Rioult, and Yohan Planche, ENTPE, University of Lyon; Italy, Davide Contu, University of Cagliari; Japan, Associate Professor Tomio Miwa, EcoTopia Science Institute, Nagoya University; The Netherlands, Erik-Sander Smits, Delft University of Technology; and the USA, Glen Weisbrod, Economic Development Research Group, Inc.

## **BRT CENTRE OF EXCELLENCE WEBINARS**



The Across Latitudes and Cultures BRT Centre of Excellence (of which ITLS-Sydney is a partner) holds a monthly webinar series sharing timely public transit research and encouraging ongoing collaboration. On 24 May 2013, Director of ITLS-Sydney, Professor David Hensher, gave a webinar on:

***Cost efficiency under negotiated performance-based contracts and benchmarking – are there gains through competitive tendering in the absence of an incumbent public monopolist?***

Other webinar presenters in the 2013 series included: Professors Nigel Wilson and Christopher Zegras, Massachusetts Institute of Technology, USA; Professor Rosário Macário, Instituto Superior Técnico, Portugal; Professor Juan Pablo Bocarejo, Universidad de Los Andes, Colombia; Professor Homero Larrain and Sebastián Raveau, Pontificia Universidad Católica de Chile; Luis Antonio Lindau, Director of EMBARQ, Brazil; and Professor Juan Carlos Muñoz, Director, Bus Rapid Transit Centre of Excellence.





## PROFESSIONAL HONOURS AND ENGAGEMENTS

### AWARDS

**Professor David Hensher**

SMART Premier Award for Excellence 2013

**Adjunct Professor John Stanley**

Australian Bus Industry Outstanding Achievement Award 2013

### FELLOWS

**Professor Michael Bell**

Institution of Civil Engineers, UK; Chartered Institution of Highways and Transportation, UK; Transport Research Foundation, UK

**John Clement**

Chartered Institute of Logistics and Transport, Australia

**Professor David Hensher**

Academy of Social Sciences in Australia; American Planning Association; Australian Institute of Transport Planning Management; Chartered Institute of Logistics and Transport, Australia; Engineers Australia (Companion); Land Transport Authority of Singapore

**Dr Rico Merkert**

The Higher Education Academy, UK

**Professor Corinne Mulley**

Chartered Institute of Logistics and Transport, Australia

**Professor Geoff Rose**

Institute of Engineers, Australia

**Professor Peter Stopher**

American Society of Civil Engineers; Engineers Australia (Civil College)

**Alan Win**

Institute of Management Consultants, New Zealand

**Professor William Young**

Chartered Institute of Logistics and Transport, UK; Institute of Transportation Engineers, Australia and New Zealand; Institute of Engineers, Australia

### VISITING APPOINTMENTS

**Dr Matthew Beck**

Institute of Transport Studies, University of Leeds, UK

**Professor Michael Bell**

Civil and Environmental Engineering, Imperial College London, UK

**Professor Michiel Bliemer**

Department of Economics, University of Rennes 1, France

**Dr Alexa Delbosc**

Research Associate, Mineta Transportation Institute, San Jose State University, United States

**Professor David Hensher**

Department of Transport Engineering and Logistics, Pontificia de Catolica Chile; Institute of Transport and Logistics Studies (Africa), University of Johannesburg, South Africa

**Professor Corinne Mulley**

Centre for Transport Studies, University of Aberdeen, UK

**Professor John Rose**

Institute of Transport Studies, Faculty of Environment, University of Leeds, UK

**Professor Peter Stopher**

Honorary Professor, Beijing Transportation Research Centre, China

**Honorary Professor David Walters**

Hong Kong Polytechnic University

**Alan Win**

S P Jain School of Global Management, Dubai, Singapore and Sydney; Overseas Education College, Shanghai Jiao Tong University, China; School of Engineering and Advanced Technology, Massey University, New Zealand

## EDITORIAL POSITIONS

### **Professor Michael Bell**

Associate Editor: Maritime Policy and Management; Transportmetrica A

### **Professor Michiel Bliemer**

Associate Editor: Journal of Choice Modelling  
Editorial Advisory Board: Transportation Research Part B: Methodology

### **Professor Graham Currie**

Associate Editor: Transportation  
Editorial Board: Road and Transport Research Journal

### **Professor David Hensher**

Volume and Series Editor: Handbooks in Transport, Emerald (previously Elsevier Science); Classics in Transport and Environmental Valuation Series, Edward Elgar Publishing

Area Editor: Transport Reviews

Editorial Board: Case Studies on Transport Policy, Cooperative Transportation Dynamics, Journal of Transport Economics and Policy, Journal of Transportation and Statistics, Transport Policy, Transportation Research Part A: Policy and Practice, Research in Transportation Economics

Editorial Advisory Board: International Journal of Transport Economics, Journal of Choice Modelling, Journal of Transport and Land Use, Journal of Transport and Supply Chain Management, European Journal of Transport and Infrastructure Research, Transportation, Transportation Planning and Technology, Transportation Research Part E: Logistics and Transportation Review

### **Dr Terry Liu**

Editorial Board: International Journal of Transportation, International Journal of Civil Engineering and Urban Planning

### **Dr Rico Merkert**

Associate Editor: Journal of Air Transport Management

### **Claudine Moutou**

Editor: T2M Newsletter, International Association for History of Transport, Traffic and Mobility

### **Professor Corinne Mulley**

Editor: Bus Buzz, ITLS-Sydney Quarterly Newsletter

Editorial Board: Journal of Transport History, Journal of Transport and Land Use, Research in Transportation Business and Management

### **Professor Geoff Rose**

Editorial Board: ICE Transport Journal, IET Intelligent Transportation Systems

### **Professor John Rose**

Co-Chief Founding Editor: Journal of Choice Modelling

Joint Editor in Chief: Transportation Research Part A: Policy and Practice

Editor: Transportation

Editorial Review Board: Journal of Marketing Research

### **Associate Professor Majid Sarvi**

Editorial Board: Transportation Research Part C: Emerging Technologies, Journal of Advanced Transportation, Journal of Transportation Letters, Journal of Intelligent Transportation Systems

Associate Editorial: Transportmetrica B

### **Dr Nirajan Shiwakoti**

Associate Editor: International Journal of Industrial Engineering and Management Science

### **Professor Peter Stopher**

Editorial Board: Transportation Letters: The International Journal of Transportation Research, Journal of Transportation and Land Use, Transport Reviews

### **Dr Russell Thomson**

Guest Editor: Procedia – Social and Behavioural Sciences

Associate Editor: Asian Transportation Research Society

### **Dr Yibing Wang**

Associate Editor: IEEE Transaction on Intelligent Transportation Systems, Transportation Research Part C: Emerging Technologies, International Journal of Vehicle Information and Communication Systems

Editorial Board: The Open Transportation Journal

### **Professor William Young**

Editorial Board: ICE Transport Journal

## CONFERENCE COMMITTEES

### **Professor Michael Bell**

Convenor, International Symposium on Transportation and Traffic Theory

### **Professor Michiel Bliemer**

Innovative Methods Committee of the European Transport Conference; International Scientific Committee of the Dynamic Traffic Assignment Conference

### **Dr Xiaowen Fu**

Co-Chair, International Forum of Shipping, Port and Airport, Hong Kong, China

### **Associate Professor Stephen Greaves**

Australasian Transport Research Forum; Co-organiser, Conference of the Australasian Institutes of Transport Research

### **Professor David Hensher**

Executive Chair and Co-founder, International Conference Series on Competition and Ownership in Land Passenger Transport (The Thredbo Series)

### **Dr Marilyn Johnson**

Australian Cycling Conference Reference Group

### **Professor Corinne Mulley**

Vice Chair, Executive Board, World Symposium of Transport and Land Use Research

### **Professor Geoff Rose**

Local Organizing Committee: International Travel Survey Methods Conference; Member of Scientific Committee: World Conference on Transport Research

### **Professor John Rose**

Innovative Methods in Transport Analysis, Planning and Appraisal Programme Committee, European Transport Conference

### **Associate Professor Majid Sarvi**

Scientific Committee: 20<sup>th</sup> International Symposium on Traffic and Transport Theory, The Netherlands; Program Committee: Artificial Intelligence in Transportation Systems, Portugal

### **Professor Peter Stopher**

Travel Demand Management Conferences; International Steering Committee for Travel Survey Conferences, Australia

### **Dr Russell Thompson**

Freight Committee in European Transit Conference; 7<sup>th</sup> International Conference on City Logistics

## PROFESSIONAL COMMITTEES, SYMPOSIA AND WORKSHOPS

### **Dr Matthew Beck**

United States Transportation Research Board Committees: Travel Survey Methods (ABJ40), Traveler Behavior and Values (ADB10)

### **Professor Michael Bell**

United States Transportation Research Board Committee: Intermodal Freight

### **Professor Michiel Bliemer**

United States Transportation Research Board Committees: Network Modelling, Survey Methods

### **John Clement**

Passenger Transport Group Committee, Chartered Institute of Logistic and Transportation

### **Professor Graham Currie**

Chair, United States Transportation Research Board Subcommittee: International LRT Developments; Vice Chair, United States Transportation Research Board Committee: Light Rail Transit; United States Transportation Research Board Committee: Light Rail Transit (APO75), Public Transportation Planning and Development (APO25); VicRoads: Roads Based Public Transport Advisory Council

### **Dr Xiaowen Fu**

Panel for Major National Research Project, Huazhong University of Science and Technology, China

### **Associate Professor Stephen Greaves**

United States Transportation Research Board Committees: Air Quality (ADC20), New Technologies in Travel Surveys (ABJ40-4)

### **Professor David Hensher**

Board of Advice, Institute of Transport and Logistics Studies (Africa), University of Johannesburg, South Africa; Public Transport Panel, Infrastructure Australia; Transport Specialists Advisory Group, NSW Long Term Transport Master Plan, Transport for NSW; Benchmarking Program Panel, Transport for NSW

### **Dr Marilyn Johnson**

Amy Gillet Foundation Research and Policy Committee; NHMRC National Road Safety Research Strategy Workshop, Canberra

**Dr Rico Merkert**

United States Transportation Research Board Standing Committee: Light Commercial and General Aviation (AV080); Global Aviation Research Network, Australia

**Professor Corinne Mulley**

NSW Premier's Council for Active Living, Workplace Travel Planning Group; NSW Premier's University Government Business Forum; NSW Taxi Advisory Group; Public Transport Panel, Infrastructure Australia; Transport Specialists Advisory Group, NSW Long Term Transport Master Plan, Transport for NSW; Committee of Management, Accessible Bridge Services (Easy Transport): Community Transport in Northern Sydney; Tender Review Panel for the Household Travel Survey, Transport for NSW

**Professor Geoff Rose**

United States Transportation Research Board Committee: Transportation Demand Management (ABE50); United States Transportation Research Board Joint Subcommittee: Emergency Vehicles and Personal Transportation; Australasian Transport Research Forum National Steering Committee

**Professor John Rose**

United States Transportation Research Board Committees: Travel Survey Methods (ABJ40), Traveler Behavior and Values (ADB10); OECD Workshop Roundtable on Public Transport - Examination of Transport Models, France

**Associate Professor Majid Sarvi**

Chair, United States Transportation Research Board Subcommittee: Crowd Dynamics Modelling and Simulation; United States Transportation Research Board Committee: Traffic Flow Theory and Characteristics (AHB45), Transportation Network Modelling (ADB30), Vehicle User Characteristics (AND10); Transport Committee: Engineers Australia

**Dr Nirajan Shiwakoti**

United States Transportation Research Board Committee: Transit Capacity and Quality of Service (APO15)

**Chris Skinner**

National Committee on Transport Engineering, Engineers Australia; Standards Committee IT-023 Transport Information and Control Systems, Australia

**Adjunct Professor John Stanley**

Chair, Australian Davis Connection Forum; Director, Urban Renewal Authority Victoria, Australia; Ministerial Advisory Committee on the Melbourne Metropolitan Planning Strategy, Australia

**Professor Peter Stopher**

Scientific Advisory Panel, African Centre of Excellence for Studies in Public and Non-Motorised Transport, South Africa; United States Transportation Research Board Committees: Transportation Planning Applications (ADB50), Transport Survey Methods (ABJ40) (Emeritus Member), Traveler Behavior and Values (ADB10) (Emeritus Member); Survey Harmonisation and Technology Implementation (SHANTI), COST Project (TU 0804); Passenger Travel Demand Forecasting, United States

**Honorary Professor David Walters**

Program Committee, International Symposium on Supply Chain Management, Purchasing Management Association of Canada

**Dr Yibing Wang**

Technical Committee on Transportation Systems: International Federation of Automatic Control; International Advisory Committee for European Project "Network for Excellence for Advanced Road Cooperative Traffic Management in The Information Society"

**Professor William Young**

Committee, Australian Standard Association AS/NZS 2890; United States Transportation Research Board Committee: Transportation Network Modelling (ADB30)

**INDEPENDENT EXPERTISE****CONSULTANCY****Professor Graham Currie**

Unplanned Rail Disruption R&D Project, Metro Trains, Melbourne, Australia; Understanding the Psychology of Fare Evasion, Public Transport Victoria, Melbourne, Australia

**Dr Alexa Delbosc**

Unplanned Rail Disruption R&D Project, Metro Trains, Melbourne, Australia; Understanding the Psychology of Fare Evasion, Public Transport Victoria, Melbourne, Australia

**Dr Xiaowen Fu**

Impact on New Designated Airlines to Hong Kong Aviation Market, Civil Aviation, Hong Kong, China

**Professor David Hensher**

Director General, Transport for NSW, Australia; Demand Modelling, Sydney Transport Sector Study, NSW Government; Toll Road Infrastructure Projects, Macquarie Bank, Australia; Passenger Transport Reform, Land Transport New Zealand, New Zealand; Southern Water, UK

**Dr Marilyn Johnson**

Inquiry into Cycling Issues with Amy Gillett Foundation: Submission to the Queensland Parliament and expert participant in the Queensland Parliament Roundtable discussion; Inquiry into Vulnerable Road Users with the Amy Gillett Foundation: Submission to the Australian Capital Territory Parliament

**Honorary Associate Professor Peter Lok**

Baodao Optical Group, China

**Dr Rico Merkert**

Northpoint Aviation Services; Transnational Development of Toolbox to Enhance Accessibility of Peripheral Baltic Sea Region by Air Transport, Public Service Obligations and Route Development Fund, Partially Funded by the European Union (European Regional Development Fund and European Neighbourhood and Partnership Instrument)

**Dr Russell Thomson**

Urban Freight Directions, Victorian Freight and Logistic Plan, Department of Transport, Melbourne, Australia

**Honorary Professor David Walters**

AWA Limited, Australia

**PEER REVIEW and EXPERT EVALUATION of PROJECTS****Professor Michael Bell**

Advisor, Department of Civil and Environmental Engineering, Hong Kong Polytechnic University, China

**Associate Professor Stephen Greaves**

NSW Department of Environment and Climate Change

**Professor Corinne Mulley**

Czech Republic Science Foundation; Department of Planning, NSW State Government; Marsden Fund, The Royal Society of New Zealand; National Fund for Scientific and Technological Development, Chile; States Records Reviewer, NSW Government State Records

**INVITED PRESENTATIONS****INTERNATIONAL****Professor Michael Bell**

*The case for port-centric logistics*

Keynote speaker, International Association of Transport, Trade and Service Studies Conference, Hong Kong, China

*Role of logistics in travel demand management*

Keynote speaker, 6th International Symposium on Travel Demand Management, Dalian, China

*Approaches to modelling degradable networks*

International Workshop on Transport Networks Under Hazardous Conditions, Tokyo Institute of Technology, Japan

*Keynote speaker*

Behaviour in Networks Meeting, China

*Advanced choice methodology*

Institute of Transport Studies, University of Leeds, UK

*Advanced choice methodology*

Graduate School for International Development and Cooperation, Hiroshima University, Japan

**Professor Graham Currie**

*A Summary of Bus/Tram Priority Research at ITS (Monash) Australia*

Institute for Transport Planning and Systems Swiss Federal Institute of Technology (ETH), Zurich, Switzerland

*Exploring Transport Disadvantage, Social Exclusion and Well Being – Major Project Findings*

Transport Studies Unit, Oxford University, UK

**Dr Xiaowen Fu**

*Modeling demand uncertainty in airport capacity investments, and airport strategies*

Southwest University of Finance and Economics, China

*Port investments on coastal and marine disasters prevention: an economic and policy investigation*

National University of Singapore, Singapore

*Vertical contracts between airports and airlines – Analytical results and empirical results*

Sichuan University, China

**Professor David Hensher**

*Cost efficiency under negotiated performance-based contracts and benchmarking - Are there gains through competitive tendering in the absence of an incumbent public monopolist?*

Webinar, Across Latitudes and Cultures, Centre of Excellence for Bus Rapid Transit, Santiago, Chile (Volvo Research and Educational Foundations)

*Keynote speaker*

South Africa Bus Association (SABOA), Johannesburg, South Africa

*Road pricing reform*

ITLS-Africa, University of Johannesburg, South Africa

**Dr Terry Liu**

*Toll Design Problem of Urban Congestion Pricing*

Australia School of Transportation Southeast University, China

**Professor Corinne Mulley**

*Public leadership*

Centre for Transport Studies, University of Aberdeen, UK

**Professor Geoff Rose**

*Powered-two-wheel vehicles and sustainable transport*

Arizona State University, United States

**AUSTRALIA**

**Professor Graham Currie**

*Victorian Transport – Innovation, integration and investment*

Committee for Economic Development of Australia event

*Transport at London 2012 Olympics – Lessons for Melbourne*

Burwood Electoral Conference Liberal Party of Australia

*Comments on the East West Link*

Darebin Transport Community Forum, Northcote Town Hall

*Understanding the Psychology of Fare Evasion*

Translink, Brisbane

*Active and Public Transport Mode Shift – Context and Experience*

Manningham City Council Health, Recreation and Community Wellbeing Cross Organisational Group

*Melbourne Urban Rail Realities and Prospects*

Wyndham Transport Advisory Group Council Chamber, Wyndham Civic Centre, Werribee

*Melbourne Public Transport Performance Benchmarking*

Melbourne's Transport Crisis: A Public Forum convened by Transport for Melbourne in collaboration with Maribyrnong City Council and members of the Metropolitan Transport, Footscray Town Hall, Footscray

*Transport performance, projects and prospects*

City of Port Phillip Sustainable Communities Action Network Meeting Ormond Hall, Melbourne

*Optimising the Design of Public Transport Priority - Overview of Current Findings*

Australian Institute of Traffic Planning and Management, VicRoads Theatre, KEW

*Large Event Planning – Olympic Perspectives*

Keynote Speech UITPANZ Special Event Planning Master Class, The Arts centre, Surfers Paradise

*Transport perspectives on ageing, social inclusion and well being*

Ministerial Advisory Committee for Senior Victorians Department of Health, Melbourne

*Transport Performance and Prospects*

State of Transport Metropolitan Transport Forum, Melbourne Town Hall, Melbourne

**Dr Andrew Collins**

*Modelling air travel choices: preference heterogeneity, search behaviour, and some future opportunities and challenges*  
School of Aviation, University of New South Wales

**Dr Xiaowen Fu**

*The low cost carriers development in Southeast Asia*  
School of Aviation, University of New South Wales

**Professor David Hensher**

*Keynote speaker*  
BusNSW Management Conference



*L-R: Stephen Rowe (Busways Group; BusNSW Board of Management), Professor David Hensher*

*Myanmar Delegation*

Professor David Hensher was invited to speak with Professor Thida and Dr Tha, delegates from Myanmar's Yangon Institute of Economic, to discuss world best practice in creating and sustaining a university transport institute. This was part of a joint activity on capacity building for Myanmar organised by the University of NSW (Professor John Black, Emeritus Professor of Transport Engineering, School of Civil and Environmental Engineering), Austrade and the Economic Research Institute for ASEAN and East Asia (Dr Fauziah Zen, Researcher and Delia Arinda).

**Dr Marilyn Johnson**

*Cyclist safety presentation*  
Invited speaker Crash seminar, Compulsory Third Party, Adelaide

*Manifesto for safe bike riding in Australia*  
Invited speaker Cycling Issues Forum, Institute of Transportation Engineers, Richmond Town Hall

**Dr Terry Liu**

*Global Container Shipping Network Design*  
Invited presentation to Victorian Department of Transport

*Optimal Toll Design Problem of Urban Congestion Pricing*  
School of Mathematics Wollongong University

**Professor Corinne Mulley**

*Public transport creating agglomeration economies*  
NSW Transport Infrastructure Summit

*Keynote speaker*  
Tasmanian Bus Association Annual Conference

*How can we encourage public transport use and alleviate Sydney's congestion problem*  
Sydney's Rail Future

*Transport case study*  
Premier's Council for Active Living - Integrating Health, Active Transport and Land Use Planning





## IN THE MEDIA

### THE CONVERSATION

Key Centre academics actively contributed to The Conversation in 2013. Associate Professor Stephen Greaves gave an interview on the impact of the NSW state budget on infrastructure, Dr Marilyn Johnson was published on improving cyclist safety in regional areas and why cyclists run through red lights and Dr Rico Merkert made several contributions on the viability of high-speed rail in Australia.

### THE FLYING KANGAROO

ITLS Sydney's Senior Lecturer in Aviation Management, Dr Rico Merkert, was in demand for his expert commentary on developments with Qantas and on airline competition more broadly. He was interviewed by Sky News, SBS Radio and Gulf News (United Arab Emirates) as well as publishing an opinion piece in The Australian.

### HIGH SPEED RAIL

High speed rail hit the Australian headlines in 2013 with release of the federal government's report on the proposed link from Canberra to Brisbane. Further coverage was generated for the Key Centre by ITLS-Sydney's highly successful forum on this topical issue. Dr Rico Merkert was interviewed on ABC TV's Middy Report and quoted in their fact check on Kevin Rudd's high speed rail, parental leave cost comparison. Dr Merkert was also interviewed on 2SM Radio, ABC Illawarra Radio and SBS World News and published an article on this topic in the Business Spectator. Informa Australia published an interview on this topic with Dr Chi-Hong Tsai.

### IN THE HOT SEAT

Cycling safety was in the hot seat in 2013 with ITS-Monash's Dr Marilyn Johnson invited to give a number of interviews on her research into cycling safety on radio – 2UE; ABC National, Adelaide, Newcastle, NT and South Australia; Gippsland FM; Three D Radio; Australian Film TV and Radio School – and TV – The Project, Channel 10 and Catalyst, ABC. Dr Johnson's research was also featured in MX Brisbane and the Herald Sun.

### CONGESTION CHARGING

Congestion charging, in particular time of day tolling, remained a controversial media topic in 2013; Professors David Hensher and John Stanley were interviewed on Channel 7's Today Tonight program and Professor John Rose on Radio 2UE. The issue also received broad coverage in the

print media; Professor Hensher was quoted in The Australian, Australasian Bus and Coach Magazine, The Daily Telegraph, Herald Sun, The Monthly Chronicle and Engineering News and Professor Rose in The Australian Financial Review.

### IN OTHER NEWS...

Our Chairs in Public Transport engaged with the media throughout 2013 on issues such as: ticketing systems – Professor Corinne Mulley on NSW's Opal Card, Sydney Morning Herald; Professor Graham Currie on the LTA Singapore Early Bird Free Fare Ticket, Channel News Asia Singapore TV; mass transit vehicles – Professor Currie (with Dr Alexa Delbosc), The Atlantic CityLab; fast and frequent bus services for Hobart – Professor Mulley, The Mercury and ABC News 24; and how the corporate world can help to improve public health – Professor Mulley, The Medical Observer.

Dr Alexa Delbosc was interviewed on why driving licences are a low priority for Generation Y by The Australian, ABC Radio 936 Hobart and Channel 10 TV's The Project. Dr Geoffrey Clifton also appeared on The Project talking about fare evasion.

Associate Professor Stephen Greaves was interviewed by The Sunday Telegraph on Sydney's traffic congestion problems. Professor David Hensher appeared on ABC2 TV program *Sh\*tville Express* providing expert opinion on the state of public transport in Australia's capital cities; was quoted in The Daily Telegraph on computer-controlled trains, appeared in a Sky TV debate on Australia's infrastructure and the role of federal and state governments; and was interviewed about the NSW government's progress on transport initiatives by The Australian and The Daily Telegraph.

Professor John Rose discussed the Brisbane Airport Link Company going into receivership with ABC News and Professor John Stanley spoke to the Australasian Bus and Coach Magazine about the State of Australian Cities 2012 report and to Channel 7 TV News about the Melbourne Planning Strategy idea for a 20 minute city.

Professor Michael Bell spoke to the Newcastle Herald and Lloyd's List Australia on, respectively, the proposal to shift Port Botany's container terminals to Newcastle and the efficacy of Sydney's Moorebank hub.



## OUR PEOPLE

### BOARDS OF ADVICE

*The purpose of the Advisory Committee at ITS-Monash and the Board of Advice at ITLS-Sydney is to support the continued development and utilisation of the Key Centre as a centre of excellence adding value to the community. The academic and commercial membership of the committees gives a broad network for the sharing of expertise and experience. Particular contributions from members include: high-level advice on issues identified by the committees and Key Centre staff for inclusion in the teaching and research programs and assistance with integration of the faculty and student activities, within the community of stakeholders.*

### ITS-MONASH ADVISORY COMMITTEE



**Advisory Committee Meeting, March 2013**

*L-R: Dr Tim Patton, Dr Russell Thompson (guest), Professor Jeff Walker, Dr Michael Kennedy, Professor William Young, Charmaine Dunstan, Peter Hunkin, Professor John Stanley (Chair), Professor Graham Currie, Kate Partenio, Ray Kinnear, Chris Lowe, Neil Aplin, Associate Professor Majid Sarvi, Gerard Waldron, Omid Ejtemai (guest)*

Chair, ITS-Monash Advisory Committee

#### **Professor John Stanley**

Adjunct Professor and Bus Industry Confederation  
Senior Research Fellow, ITLS-Sydney

#### **Associate Professor Majid Sarvi**

Director, ITS-Monash

#### **Neil Aplin**

#### **Professor William Young**

Chair of Civil Engineering, ITS-Monash

#### **Bernie Carolan**

Chief Executive Officer, Transport Ticketing  
Authority

#### **Professor Graham Currie**

Chair in Public Transport, ITS-Monash

#### **Charmaine Dunstan**

Director, Traffix Group Pty Ltd

#### **Rob Fremantle**

Executive Director, Network and Asset Planning,  
VicRoads

#### **Professor David Hensher**

Director, ITLS-Sydney

#### **Michael Hopkins**

Executive Director (Policy and Communication),  
Department of Transport

#### **Peter Hunkin**

Transport Advisory Leader, Sinclair Knight Merz

#### **Dr Michael Kennedy OAM**

Chief Executive Officer, Mornington Peninsula  
Shire

#### **Ray Kinnear**

Director Network Planning, Public Transport  
Victoria

#### **Chris Lowe**

Executive Director, BusVic

#### **Brian Negus**

General Manager Public Policy, RACV

#### **Dr Ken Ogden**

Ken Ogden and Associates

#### **Kate Partenio**

Director, GTA Consultants

#### **Dr Tim Patton**

Director, Spatial Analysis and Research  
Department of Planning and Community  
Development

#### **Ian Pitcher**

Director, Alliances, Maunsell Australia

#### **Professor Geoff Rose**

ITS-Monash and Monash Sustainability Institute

#### **David Teller**

Area Manager Australia and New Zealand – Public  
Transport, Maritime and Aviation, SKM

#### **Gerald Waldron**

Managing Director, ARRB Group

#### **Professor Jeffrey Walker**

Head, Department of Civil Engineering, Monash  
University

## ITLS-SYDNEY BOARD OF ADVICE

Chair, ITLS-Sydney Board of Advice

**Dr Alastair Stone**

Managing Director, Pacific Infrastructure Corporation

**Professor David Hensher**

Director, ITLS-Sydney

**Wendy Adam**

National Traffic and Transport Planning Executive, Parsons Brinckerhoff

**Gillian Akers**

Director, AkersConsult

**Warren Bennett**

Executive Director, Board of Airline Representatives of Australia

**Professor Chandra Bhat**

Department of Civil Engineering, University of Texas at Austin, United States

**Professor Axel Börsch-Supan**

Director, Mannheim Research Institute for the Economics of Aging, University of Mannheim, Germany

**Professor Ken Button**

Director, Transportation Policy, Operations and Logistics Centre, George Mason University, United States

**Professor Paul Cousins**

Professor of Operations Management and CIPS Professor of Supply Chain Management, Manchester Business School, The University of Manchester, UK

**Doug Dean**

Managing Director, Veolia Environmental Services

**Paul Forward**

Principal, Evans and Peck

**Jim Glasson**

Chief Executive Officer, ComfortDelGro Cabcharge

**Professor Phil Goodwin**

Professor of Transport Policy, Centre for Transport and Society, Faculty of the Built Environment, University of the West of England, UK

**Nicholas Hann**

Managing Director, Infrastructure, Macquarie Bank, Australia / Canada

**Brian Hastings**

Regional Director, Interfleet Technology

**Professor Trevor Heaver, Emeritus**

Centre for Transportation Studies, Operations and Logistics Division, Sauder School of Business, University of British Columbia, Canada

**Michael Kilgariff**

Chief Executive Officer, Australian Logistics Council

**John King**

Managing Director, Aviation and Tourism Management Pty Ltd

**Peter Koning**

Technical Director, AECOM

**Scott Lennon**

Partner - Economics, PricewaterhouseCoopers

**Professor Alan McKinnon**

Director of the Logistics Research Centre, Heriot-Watt University, Edinburgh, UK

**Darryl Mellish**

Executive Director, Bus and Coach Association NSW

**Claudine Moutou**

Doctoral Program, ITLS-Sydney

**Professor Juan de Dios Ortúzar**

Department of Transport Engineering and Logistics, Pontificia Universidad Católica de Chile, Chile

**Professor Tae Oum**

UPS Foundation Chair in Transport and Logistics, Sauder School of Business, University of British Columbia, Canada

**Mike Owen**

President, Logistics Association of Australia Ltd

**Phil Potterton**

Canberra Manager – Strategy and Economics, GHD

**Professor John Pucher**

Bloustein School of Planning and Public Policy,  
Rutgers University, United States

**Mark Rainbird**

Managing Director, AWA Ltd

**Stephen Rowe**

Director, Busways Group

**Llew Russell**

Chief Executive, Shipping Australia Ltd

**Associate Professor Majid Sarvi**

Director, ITS-Monash

**Tony Sheldon**

State Secretary, NSW Branch of the Transport  
Workers Union

**Professor John Stanley**

Adjunct Professor and Bus Industry Confederation  
Senior Research Fellow in Sustainable Land  
Transport, ITLS-Sydney

**Professor Wayne Talley**

Executive Director, International Maritime, Ports  
and Logistics Management Institute, Old Dominion  
University, Norfolk, Virginia, United States

**Professor Kenneth Train**

Department of Economics, University of California,  
Berkeley, Vice President, National Economic  
Research Associates, United States

**Professor Jackie Walters**

Director, ITLS-Africa; Head of Department,  
Department of Transport and Supply Chain  
Management, University of Johannesburg, South  
Africa

**Les Wielinga**

Director General, NSW Department of Transport

**OUR STAFF**

*ITS-Monash Staff*

*L-R: Professor Geoff Rose, Dr Marilyn Johnson, Dr Euan Ramsay, Professor Graham Currie, Associate Professor Majid Sarvi, Professor William Young, Brenda O'Keefe*

**ACADEMIC STAFF**

Key Centre Director and Director, ITLS-Sydney

**Professor David Hensher**

*BCom Hons PhD UNSW FASSA FCIT FAITPM  
CompIEAust MAPA*

Director, ITS-Monash and Associate Professor in  
Civil Engineering, Monash University

**Associate Professor Majid Sarvi**

*BEng Hons MEng PhD Tokyo*

Chair in Ports and Maritime Logistics,  
ITLS-Sydney

**Professor Michael Bell**

*BA Cantab MSc PhD FIHT FICE FTRF MCILT*

Chair in Transport and Logistics Network  
Modelling, ITLS-Sydney

**Professor Michiel Bliemer**

*MSc RUG PhD Delft*

Chair in Public Transport, ITS-Monash

**Professor Graham Currie**

*BSc Hons Huddersfield MSc Cranfield PhD Monash*

Chair in Public Transport, ITLS-Sydney

**Professor Corinne Mulley**

*BA Hons Nott MSc PhD Lond, FCILT*

Professor in Civil Engineering and Monash  
Sustainability Institute, ITS-Monash

**Professor Geoff Rose**

*BEng QIT MSc PhD Northwestern MIEAust CPEng  
MITE*

Chair in Transport and Logistics Modelling, ITLS-  
Sydney

**Professor John Rose**

*BEc Hons PhD Sydney*

Professor of Transport Planning, ITLS-Sydney

**Professor Peter Stopher**

*BSc Eng PhD Lond FIEAust FASCE MASA MITE*

Chair of Civil Engineering, Monash University

**Professor William Young**

*BE Hons UNSW GradDipMgt MBA Deakin MSc PhD*

*Monash FIEAust FCIT FITE MACRS*



**ITLS-Sydney Staff and Students at 2013 Awards Night**

*L-R: Associate Professor Stephen Greaves, Dr Alastair Stone, Dr Matthew Beck, Christopher Standen, Richard Ellison, Adrian Ellison*

Associate Professor of Transport Management, ITLS-Sydney

**Associate Professor Stephen Greaves**

*BA Hons Leeds MSc Wales PhD LSU*

Senior Lecturer in GIS and Analysis Tools, ITLS-Sydney

**Dr Matthew Beck**

*BEc Hons MPhil PhD Sydney*

Senior Lecturer in Aviation and Maritime, ITLS-Sydney

**Dr Xiaowen Fu**

*BappEc BCompSc SJTU MInfoMgmt Nangyang Tech PhD BrCol*

Senior Lecturer in Aviation Management, ITLS-Sydney

**Dr Rico Merkert**

*MSc TU Berlin/NHH Bergen PhD Leeds*

Senior Lecturer in Civil Engineering, ITS-Monash

**Dr Russell Thompson**

*BAppSci RMIT MEngSc Monash PhD Melb*

Lecturer in Logistics and Supply Chain Management, ITLS-Sydney

**Dr Jyotirmoyee Bhattacharjya**

*BSc Hons Calc MA BU MCom Curtin PhD Sydney*

Lecturer in Transport and Logistics Management, ITLS-Sydney

**Dr Geoffrey Clifton**

*BEcon(Hons) QLD PhD Sydney*

Lecturer in Transport and Logistics Management, ITLS-Sydney

**Dr Andrew Collins**

*BSc BA UNSW PhD Sydney*

Lecturer in Civil Engineering, ITS-Monash

**Dr Terry Liu**

*BTransEng(Hons), SE Uni China PhD Nat Uni Singapore*

Lecturer, ITS-Monash

**Nirajan Shiwakoti**

*BEng Tribuvan MEng Hokkaido PhD Monash*

Research Fellow, ITS-Monash

**Alexa Delbosc**

*BA Lewis & Clark MA Harvard*

Postdoctoral Research Fellow, ITLS-Sydney

**Dr Chinh Quoc Ho**

*BE Hons HCMUT ME Nagoya PhD Sydney*

Postdoctoral Research Fellow, ITLS-Sydney

**Dr Claudine Moutou**

*BA UNSW; MEnvManagement UNSW; PhD Sydney*

Adjunct Professor and Bus Industry Confederation Senior Fellow in Sustainable Land Transport, ITLS-Sydney

**Professor John Stanley**

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**Associate Professor John Apelbaum**

*BE GradDip Mon MEngSc Melb CPE FIE Aust FCILT*

Honorary Professor of Aviation Management, ITLS-Sydney

**Professor Werner Delfmann**

*Prof Dr Dr hc*

Honorary Professor of Transport Econometrics, ITLS-Sydney

**Professor William Greene**

*BS OSU MA PhD UW*

Honorary Professor of Choice Modelling, ITLS-Sydney

**Professor Stephane Hess**

*BSc Manc MPhil Cambridge PhD Imperial*

Honorary Professor of Sustainable Transport Systems, ITLS-Sydney  
**Professor Truong Truong**  
*BE(Hons) UWA LLB MA MEngSc Sydney PhD Macq*

Honorary Professor of Logistics and Supply Chain Management, ITLS-Sydney  
**Professor David Walters**  
*BA Alta MSc Bradford PhD Cranfield*

Honorary Associate Professor of Organisational Logistics, ITLS-Sydney  
**Associate Professor Peter Lok**  
*BAppSc MHP UNSW MBA PhD UTS*

Adjunct Lecturer in Railway Planning and Operations, ITLS-Sydney  
**Dr Nigel Harris**  
*BSc Durham PhD Newcastle*

#### **SESSIONAL LECTURERS, ITLS-SYDNEY**

**Gareth Jude**  
*BA(Hons) York MBus UTS DipEd Sydney*

**Jersey Seipel**  
*MA FH Frankfurt*

**Christopher Skinner**  
*BSc Eng MEngSc MIEE MIEAust MACS CPEng*

**Alan Win**  
*CMC ML&SCM CPIM*

#### **RESEARCH STAFF**

Assistant Program Leader, Safety Management Course in Bus and Coach Operations, ITS - Monash  
**John Clements**  
*BCom Hons DipEd Melb MEc MAdmin, FCILT*

Director of Innovative Solutions and Industries, ITS-Monash  
**Omid Ejtemai**

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