# 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 Tyronne 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.

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.

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
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).

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.

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.
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

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

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

Dr Russell Thompson
2012-14: $330,000
Integrating mobility on demand in urban transport infrastructures

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 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

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


CONFERENCE PROCEEDINGS


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.


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


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.


**CONFERENCE PAPERS**


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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.


Michael Beesley Award for best workshop paper Thredbo 13 Conference

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


Shen, L. and Stopher, P. R. (2013) 'Using SenseCam to Pursue 'Ground Truth' for GPS Travel Surveys', 14th TRB National Transportation Planning Applications Conference, Colombus, United States, 5-9 May.


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.


**CONFERENCE PROCEEDINGS**


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)

UNITES OF STUDY
• Transport and Traffic (CIV2282)
• Road engineering (CIV3283)
• Transport Planning (CIV4283)
• Transport Systems (CIV4284)

The Traffix 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 Traffix 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)

UNITES 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)
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]
- 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

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 Research Students

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-economic 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)
Underspending 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 Chi-hong Tsai  
*The linkage between public transport demand elasticities and land use characteristics: a longitudinal study*

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 Am Chinh Quoc Ho  
*An investigation of intra-household interactions in travel mode choice*
PROFESSIONAL DEVELOPMENT

ITS-MONASH

SAFETY MANAGEMENT COURSE IN BUS AND COACH 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.
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.
UNDERSTANDING PUBLIC TRANSPORT PLANNING FOR COMMUNITIES

In February, ITLS-Sydney hosted a one day course on network planning 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

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

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

Crown Coaches Award
For the best performance in the Safety Management Course, Subject 5102 Safety Risk Management for Bus Operators
Vivienne Eyles

Dyson Group Award
Best performance in Safety Management Course, Subject 5101: Introduction to Bus Safety
Debra McNamara

Ventura Group Award
Best performance in Transport Management Course, Subject 5104: Business Development for Bus Operators
Carolyn Asbock

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

BusNSW Prize
For best overall performance in the Certificate of Transport Management program
Presented to Andrew McGill by Darryl Mellish, BusNSW

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

Presentation of Certificate of Transport Management

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

Our guests

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

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.

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

**BRT CENTRE OF EXCELLENCE WEBINARS**

**BUS RAPID TRANSIT ACROSS LATITUDES AND CULTURES**

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.

**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 Rioul, and Yohan Planche, ENTEP, 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.
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

Dr Terry Liu

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

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
Associate Editorial: Transportmetrica B

Dr Nirajan Shiwakoti
Associate Editor: International Journal of Industrial Engineering and Management Science

Professor Peter Stopher

Dr Russell Thomson
Guest Editor: Procedia – Social and Behavioural Sciences
Associate Editor: Asian Transportation Research Society

Dr Yibing Wang
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: 20th International Symposium on Traffic and Transport Theory, The Netherlands; Program Committee: Artificial Intelligence in Transportation Systems, Portugal

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

Dr Russell Thompson
Freight Committee in European Transit Conference; 7th 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 (AVO80); 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 Stephe
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 Theatrette, 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 Midday 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’ 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*tsville 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 Catolica 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, ITS-Africa; Head of Department, Department of Transport and Supply Chain Management, University of Johannesburg, South Africa

**Les Wielinga**  
Director General, NSW Department of Transport

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**OUR STAFF**

![ITS-Monash Staff](image)

**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 CompleAust 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
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 SITU MInfoMgmt Nanyang 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**
BCon(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**
BCom Hons Melb MPhil Ston

Adjunct Associate Professor of Transport Planning and Management, ITLS-Sydney
**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**

Research Fellow, ITS-Monash

**Dr Marilyn Johnson**
MAppSocRes PhD Monash

Program Leader, Transport Management Course in Bus and Coach Operations, ITS-Monash

**Bill Kilpatrick**
MRiskMan Monash

Senior Research Analyst, ITLS-Sydney

**Dr Wu Quan**
BSc MEng BIT PhD UTS

Senior Research Analyst, ITLS-Sydney

**Mark Raadsen**
MSc Twente

Senior Research Analyst, ITLS-Sydney

**Chi-hong (Patrick) Tsai**
BCivil Eng NCKU MTEng NTU

Senior Research Analyst, ITLS-Sydney

**Jun Zhang**
BEng(Hons) Wuhan

Research Analyst, ITLS-Sydney

**Wen Liu**
BTE SCU MIT Sydney

PROFESSIONAL STAFF

Administration Assistant, ITLS-Sydney

**Kaylene Bodell**

Office Manager, ITLS-Sydney

**Jo Dumergue**

Website Manager, SORT Clearinghouse and World Transit Research, ITS-Monash

**Pauline Forbes**

Administration Manager, ITS-Monash

**Brenda O’Keefe**

Projects Manager, ITLS-Sydney

**Ruth Steel**
BA Hons Lanc MSc MPhil Brist

Administration Coordinator, ITLS-Sydney

**Annette Thomas**

Administration Assistant, ITLS-Sydney

**Jenny Vicic**