THE AUSTRALIAN KEY CENTRE
IN TRANSPORT MANAGEMENT

ANNUAL REPORT 2014

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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 19 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, infrastructure networks, 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, logistics, 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, logistics and supply chain management programs and research.

- To collaborate, to the fullest extent possible, with other parties having an interest in transport, logistics and supply chain management studies and its applications.

- To offer specialised training courses, workshops, short courses and seminars on topics of interest in the area of transport, logistics and supply chain management.

- To seed the development, in Australia, of innovative ideas in transport, logistics and supply chain 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, logistics and supply chain 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, logistics and supply chain management;

- widening the range of courses available for middle level professional managers in critical areas of transport, logistics and supply chain 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, logistics and supply chain 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, logistics and supply chain stakeholders.
2014 marks the 19th 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 54th anniversary and ITLS-Sydney celebrated 24 years as an institute this year.

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. Full details are set out in this Annual Report.

An important focus of a great deal of research and teaching in 2014 is now in the infrastructure space. Although transport is integral to any serious infrastructure enhancement program in a burgeoning economy, the need to use the language of infrastructure systems, network and management has become very apparent to the Institute, and hence we have begun to emphasise the contribution that we have made and will continue to make in the many challenges frontiers associated with building a better infrastructure future for society. The skills we have are very portable to the infrastructure space.

The Institute continues to be a major player nationally and globally in providing an intellectual overlay to the debate on societal priorities that can guide our future prosperity and wellbeing. 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.

ITLS-Sydney finalised a new 5-year strategic plan in 2014 which sets out the key strengths of ITLS and identified nine strategic priorities (summarised in the annual report) that are considered fundamental to maintaining these key strengths and enhancing our international reputation into the future. A map of alignment of the strategic priorities of ITLS to the key strategies of the University and strategic priorities and goals of the Business School was also undertaken.

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 Policy workshop and ITLS-Sydney’s Leadership and Policy Seminar series and through their contributions to the print and broadcast media.

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 Professor Greg Whitwell (Dean, 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.
HIGHLIGHTS OF 2014

ITS MONASH WELCOMES NEW STAFF AND NEW ROLES

In 2014 ITS Monash welcomed Dr Meead Saberi and Wendy Walker to the group. Dr Saberi received his PhD in Transportation Systems Analysis and Planning from Northwestern University, USA. He joined ITS Monash as a lecturer in 2014 and leads the City Science Research Group focusing on improving scientific understanding of cities. Ms Walker is the new manager of the World Transit Research website.

In addition, four people took on new roles at ITS Monash. After six years as a research fellow, Dr Alexa Delbosc applied for and was appointed as a Lecturer in Civil Engineering. In her new teaching and research role she will be responsible for CIV5302 (Traffic Engineering and Management) and CIV4284 (Transport Systems) beginning in 2015. Omid Ejtemai, formerly the director of innovative solution and industry programs at ITS, has been appointed as the Monash first Professor of Practice. Two recent Monash graduates took on staff roles in ITS; Dr Kayvan Aghabeyk was appointed as the Department of Civil Engineering research and teaching fellow and Dr Amir Sobhani was appointed as the ITS research fellow.

FAREWELLS AT ITS MONASH

In 2014 ITS Monash said farewell to several important members of the group. Dr Nirajan Shiwakoti, formerly a Lecturer at ITS Monash, is now a Senior Lecturer in the Department of Aerospace, Mechanical and Manufacturing Engineering at RMIT. Ms Pauline Forbes, formerly manager of the World Transit Research website, is now a Research Officer in the School of Medicine and Health Science.

PROFESSOR WILLIAM YOUNG RETIRES

After 39 years of service to Monash University, Professor William Young retired at the end of 2014. He has played an enormous role in the development and existence of the Department of Civil Engineering. He played an important role as the head of Civil Engineering (1999-2007) and as the director of ITS (1995-1998, 2010-2013). He has enjoyed every moment of his involvement at Monash.

NEW AND IMPROVED MARKETING FOR ITS MONASH

ITS Monash developed its first promotional brochure in 2014, highlighting the teaching and research strengths of the group. In addition, the website of ITS Monash underwent a cosmetic revamp, integrating iconic images and an updated newsreel to the home page. See more (including a web copy of the brochure) at: http://www.eng.monash.edu.au/civil/research/centres/its/

OUTSTANDING ACHIEVEMENT AWARDS

Dr Andrew Collins was awarded the prestigious Eric Pas Dissertation Prize for his doctoral thesis "Attribute nonattendance in discrete choice models: measurement of bias, and a model for the inference of both nonattendance and taste heterogeneity"; his PhD was supervised by Professor David Hensher and Professor John Rose. The award recognizes the best doctoral dissertation internationally in the area of travel behaviour research submitted in 2013.

Dr Matthew Beck received an honourable mention for his doctoral thesis "Development of a behavioural system of stated choice models: modelling behavioural, pricing and technological opportunities to reduce automobile energy levels"; his PhD was also supervised by Professor John Rose and Professor David Hensher.

Professor David Hensher was the recipient of The University of Sydney Business School’s Excellence in Research Award in recognition of his outstanding record of research achievement.
The Institute of Transport and Logistics Studies hosted the Future of Automated Container Terminals 2014 (FACT 2014) meeting on the 11th April at the University of Sydney Business School’s Sydney CBD campus. The event looked at a wide range of issues posed by container terminal automation and included presentations by local and international experts. It was announced at the meeting that FACT 2015 will be hosted by Hong Kong Polytechnic University.

**ITLS-SYDNEY TO ESTABLISH FOOD SUPPLY MANAGEMENT CENTRE**

ITLS–Sydney is establishing a research centre focusing on ways of maintaining a sustainable and financially viable supply of food to Australia’s domestic and international markets. The Training Centre for Food and Beverage Supply Chain Optimisation will operate in cooperation with the University of Newcastle, the CSIRO, the Georgia Institute of Technology and the New South Wales Department of Primary Industry. Industry partners will include Coca-Cola Amatil, SunRice, the Batlow Fruit Co-operative and Sanitarium Health and Wellbeing.

"The food industry is important for the Australian economy with 15 per cent of the workforce involved in food production and exports of more than 30 billion dollars a year," said Centre Chief Investigator, Associate Professor Behnam Fahimnia. The Training Centre for Food and Beverage Supply Chain Optimisation is being funded with a substantial grant from the Australian Research Council.

**ITLS-SYDNEY WINS HIGHLY COMPETITIVE ARC DISCOVERY PROJECT FUNDING FOR PROJECT ON A NEW APPROACH TO INVESTIGATING TRAVEL CHOICE BEHAVIOUR**

Professor Michiel Bliemer, Professor David Hensher and Honorary Professor Stephane Hess who, together with colleagues at UNSW and international collaborators at Georgia State University (USA) and Tu Delft (The Netherlands), have won a Discovery Project grant of $678k for research into travel choice behaviour. Applications for Discovery Project funding are highly competitive and under the commerce, management, tourism and services category, which include transportation and freight services, only six applications were successful Australia wide.

This project aims to produce improved practical behavioural models to predict responses to transport policies in order to assist in better decision-making. The project is expected to make several methodological contributions by merging, for the first time, methods from stated choice surveys, experimental economics, and naturalistic driving simulators in order to better investigate travel choice behaviour in realistic environments.

**10TH INTERNATIONAL TRAVEL SURVEY METHODS CONFERENCE CO-ORGANISED BY ITLS-SYDNEY**

Australia became the first country in the world to twice host the prestigious International Travel Survey Methods Conference, with the 10th conference held in Leura, Blue Mountains in November 2014. Local organising activities were handled by Tim Raimond (Transport for New South Wales) and Associate Professor Stephen Greaves (ITLS) ably assisted by the efforts of Evelyn Karantonis (Transport for New South Wales). The conference was attended by 132 delegates from around the globe with two thirds coming from overseas.
In addition to assisting with organisational activities, ITLS staff featured prominently in the conference through a thought-provoking plenary talk from Professor David Hensher, delivery of several papers and posters from academics and PhD students, and sponsorship of the conference dinner. The next conference in the series will be held in Quebec, Canada in 2017.

ITLS past and present, Leura 2014

ITLS-SYDNEY DEVELOPS 5 YEAR STRATEGIC PLAN

ITLS staff attended a two day Strategy Retreat in November at the end of which a new 5 year strategic plan was produced. The key strengths of ITLS were defined and nine strategic priorities were identified for the future.

ITLS-Sydney Staff Strategy Retreat, Hunter Valley

KEY STRENGTHS

1. Our global reputation (including our international visiting scholars program).
2. The diversity and quality of our academic and research staff and their energy and enthusiasm.
3. Our collaborative and collegiate way of working within the Institute and beyond, resulting in, amongst other outcomes, a large number of joint research papers.
4. A quality research program characterised by problem-driven research with links to industry, strong methodological underpinnings, policy connectedness and, crucially, the integration of transport (multi-modal), logistics, supply chain and infrastructure research.
5. Our outstanding success in winning Australian Research Council grants including Discovery, Linkage, and Linkage Infrastructure, Equipment and Facilities (45% of all ARC grant funding to the Business School 2004-14).
6. The diversity of our research funding, from industry, state and federal government, and university sources (35% funded by external research grants and contracts and consultancy).
7. Our high volume of research publications, with the majority in top tier international journals (average 7.5 publications / staff member per annum (2009-13) compared to average across other Business School disciplines of 4.5 publications / staff member; responsible for 2% of University-wide publication output in 2012).
8. Our strong internal and external research networks.
9. The continual improvement of our postgraduate coursework teaching program ensuring well designed and relevant management education curricula and targeted training in practical, industry-ready skills, in particular analytical / quantitative skills.
10. The high level of student satisfaction as measured in student surveys and our strong lecturer-student relationships (>=85% overall student satisfaction, average across all units of study, annually 2009-13, 90% satisfaction measured to date for 2014).
11. The industry engagement in our teaching program including guest lecturers, case studies, industry visits and work placement opportunities.
12. Our media exposure, in particular in national newspapers, radio and television.
13. Our dedicated and professional administration support staff team.
14. Our ability to be self-critical and to continually develop and respond to changing priorities.

STRATEGIC PRIORITIES

1. Maintain our distinctive purpose as a University and Business School Centre and ARC Key Centre and ensure continued effective governance including establishing succession and transition plans to secure our future.
2. Communicate our corporate strengths and competitive advantage in the teaching of, and research into, planning and management of transport, logistics, supply chain and infrastructure.

3. Extend our external engagement with government and industry and increase our policy relevance and influence.

4. Increase our research funding from industry and government at local, state, national and international levels, as well as maintaining and growing internal research revenue.

5. Strengthen informal and formal support for early career researchers.

6. Grow domestic and international enrolments in our postgraduate coursework degrees and increase the quality of entrants.

7. Build a world class higher degree by research program by attracting high quality domestic and international students including through scholarships.

8. Strengthen our alumni network and engagement for the benefit of all areas of endeavour.

9. Secure high quality fit-for-purpose workspace for all staff and research students of the Institute to (at least) 2025.
RESEARCH FUNDING
COMMONWEALTH GOVERNMENT

Associate Professor Majid Sarvi and Professor Graham Currie
2011-14: $285,000
Innovative urban traffic congestion solutions: optimising road space using networks of multi-class priority

Professor 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 Peter Stopher
2012-14: $333,545
Travel time budget analysis from multi-day and multi-year data

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: Professor David Hensher
2014-16: $420,000
Integrating Attribute Decision Heuristics into Travel Choice Models that accommodate Risk Attitude and Perceptual Conditioning

DISCOVERY PROJECTS

Associate Professor Majid Sarvi and Professor Graham Currie
2011-14: $210,000
Innovative urban traffic congestion solutions: optimising road space using networks of multi-class priority

Dr Marilyn Johnson and Professor Geoff Rose
2013-16: $705,000
Safer Cycling and the Urban Road Environment

STATE GOVERNMENT

Professor Graham Currie, Dr Alexa Delbosc and Brendan Pender
2013-14: $64,000
Rail disruption management RandD project
Metro Trains Melbourne

NEW: Professor Graham Currie
2014: $10,000
Review of Melbourne Metro Options
City of Melbourne

NEW: Professor Graham Currie and Dr Alexa Delbosc
2014: $12,000
Travel Demand Management Study
PATREC West Australia

NEW: Professor Graham Currie and Dr Alexa Delbosc
2014: $15,000
Cross National Survey of Public Transport Users
Public Transport Victoria

NEW: Professor Graham Currie and Dr Alexa Delbosc
2014: $188,000
Market Development Research Project (MDRP)
Metro Trains Melbourne

LINKAGE PROJECTS

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

NEW: Associate Professor Majid Sarvi
2014-17: $550,000
Planning and managing road transport systems for extreme events through spatial enablement

NEW: Associate Professor Majid Sarvi
2012-14: $210,000
Innovative tools to improve stations design and management of crowds in emergency and panic conditions

NEW: Associate Professor Majid Sarvi
2012-14: $285,000
Innovative urban traffic congestion solutions: optimising road space using networks of multi-class priority

NEW: Dr Alexa Delbosc
2014: $420,000
Integrating Attribute Decision Heuristics into Travel Choice Models that accommodate Risk Attitude and Perceptual Conditioning

NEW: Dr Alexa Delbosc
2014: $12,000
Travel Demand Management Study
PATREC West Australia

NEW: Dr Alexa Delbosc
2014: $15,000
Cross National Survey of Public Transport Users
Public Transport Victoria

NEW: Dr Alexa Delbosc
2014: $188,000
Market Development Research Project (MDRP)
Metro Trains Melbourne
INDUSTRY

NEW: Dr Marilyn Johnson and Professor Geoff Rose
2014-2015: $48,000
Safety implications of ebikes
RACV Road Safety Research Fund

NEW: Dr Marilyn Johnson
2014: $26,000
Safer cycling from tragedy: an analysis of coronial data of cyclist fatality crashes
TAC

NEW: Dr Marilyn Johnson
2014-2016: $93,000
Learning to drive with bikes: identifying ways to improve driving practices
NRMA-ACT Road Safety Trust

TRAVEL

University of Sydney Business School Conference Travel Grants

Dr Matthew John Beck
93rd Annual Meeting of the Transportation Research Board, United States, January 2014

Professor Michael Bell
4th International Conference on Logistics and Maritime Systems LOGMS 2014, Netherlands, August 2014

5th International Symposium on Dynamic Traffic Assignment, Italy, June 2014

UNIVERSITY RESEARCH

NEW: Dr Geoffrey Clifton
2014: $5,000
Getting to Work: Barriers and Facilitators for People Living with Disability
Business of Health Research Network Seed Funding Grant

NEW: Dr Alexa Delbosc
2014: $8,900
Advancing Women's Research Success Grant
Monash University

NEW: Dr Xiaowen Fu
2014: $16,577
Comparing the Performance of Light-handed Regulation to other Airport Regulatory Regimes - Economic analysis and policy implications
University of Sydney Business School - General Research Grant

NEW: Lecturer Terry Liu
2014: $5,000
Sustainable Park-and-Ride Transport Network Design, Faculty of Engineering Seed Funding Scheme
Monash University Engineering Faculty Seed Grant

NEW: Lecturer Meead Saberi
2014: $25,000
Human Mobility Characteristics in Urban Areas: Application of Complex Networks in Modelling Urban Transport Behaviour
Monash University Engineering Faculty Seed Grant

NEW: Dr Geoffrey Clifton
10th International Conference on Transport Survey Methods, Australia, November 2014

Dr Andrew Collins
10th International Conference on Transport Survey Methods, Australia, November 2014

93rd Annual Meeting of the Transportation Research Board, United States, February 2014

Dr Adrian Ellison
10th International Conference on Transport Survey Methods, Australia, November 2014

Dr Richard Ellison
10th International Conference on Transport Survey Methods, Australia, November 2014

Associate Professor Behnam Fahimnia
International Conference on Green Supply Chain France, June 2014
Dr Xiaowen Fu  
19th International Conference of Hong Kong Society for Transportation Studies HKSTS  
December 2014

2014 ATRS World Conference, France, July 2014

Associate Professor Stephen Greaves  
10th International Conference on Transport Survey Methods, Australia, November 2014

Dr Chinh Quoc Ho  
2014 World Symposium on Transport and Land Use Research, Netherlands, June 2014

Australasian Transport Research Forum  
Australia, October 2014

Dr Rico Merkert  
93rd Annual Meeting of the Transportation Research Board, United States, January 2014

Transportation Research Board TRB 94th Annual Meeting, United States, January 2015

Dr Claudine J Moutou  
10th International Conference on Transport Survey Methods, Australia, November 2014

Professor Corinne Mulley  
World Symposium on Transport and Land Use Research WSTLUR, Netherlands, June 2014

International Conference on Paratransit, United States, October 2014

Professor Peter R. Stopher  
10th International Conference on Transport Survey Methods, Australia, November 2014
PUBLICATIONS

BOOK


BOOK CHAPTERS


**JOURNAL ARTICLES**


Rose, J. M. and Hensher, D. A. (2014) 'Tollroads are only part of the overall trip: the error of our ways in past willingness to pay studies', Transportation, vol. 41, no. 4, pp. 819-837.


**CONFERENCE PAPERS**


Ho, C. and Hensher, D. A. (2014) 'Housing prices and price endogeneity in tenure and dwelling type choice models', 32nd Conference of Australian Institutes of Transport Research CAITR, University of NSW, Australia, 17 - 18 February.


**CONFERENCE PROCEEDINGS**


Delbosc, A and Currie, G (2014) 'Exploring Life Stage and Attitudes as Drivers of Licensing Decline Amongst Young People' *Transportation Research Board 93rd Annual Meeting*, Washington, D.C., United States, 12-16 July


Transportation Research Board 93rd Annual Meeting, 2014, Washington D.C., United States, 12-16 July

Transportation Research Board 93rd Annual Meeting, 2014, Washington D.C., United States, 12-16 July

Rose, G. and Delbosc, A. (2014) 'Understanding the use of powered-two-wheelers for city commuting: A case study of Melbourne, Australia' 
Transportation Research Board 93rd Annual Meeting, 2014, Washington D.C., United States, 12-16 July

Schmitt L Harris S and Currie, G (2014) ‘Integrating an Online Travel Survey into a Transit Website Journey Planner - Approach and Lessons’ 
Transportation Research Board 93rd Annual Meeting, 2014, Washington D.C., United States, 12-16 July


WORKING PAPERS

Development of an online diary for longitudinal travel / activity surveys
Stephen Greaves, Adrian B. Ellison, Richard B. Ellison, Christopher Standen, Chris Rissel and Melanie Crane

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

Capacity constrained stochastic static traffic assignment with residual point queues incorporating a proper node model
Michiel C.J. Bliemer, Mark P.H. Raadsen, Erik-Sander Smits, Bojian Zhou and Michael G.H. Bell

Understanding the relationship between voting preferences for public transport and perceptions and preferences for bus rapid transit versus light rail
David A. Hensher, Corinne Mulley and John M. Rose

Two new methods for solving the path-based stochastic user equilibrium problem
Bojian Zhou, Michiel Bliemer, Michael Bell and Jie He

Modeling the impacts of alternative emission trading schemes on international shipping
Kun Wang, Xiaowen Fu and Meifeng Luo

Housing prices and price endogeneity in tenure and dwelling type choice models
Chinh Ho and David Hensher

A unified framework for traffic assignment: deriving static and quasi-dynamic models consistent with general first order dynamic traffic assignment models
Michiel C.J. Bliemer, Mark P.H. Raadsen, LuUK Brederode, Michael G.H. Bell and Luc J.J. Wismans

Recognising the irrelevance of statewise-dominated alternatives in defining the composition of a choice set
David A. Hensher and Chinh Ho

An efficient event-based algorithm for solving first order dynamic network loading problems
Mark P.H. Raadsen, Michiel C.J. Bliemer and Michael G.H. Bell

Managing and measuring sustainability performance of supply chains
Mohsen Varsei, Claudine Soosay, Behnam Fahimnia and Joseph Sarkis

Open access for railways and transaction cost economics - management perspectives of Australia's rail companies
Rico Merkert and David A. Hensher

The influence of online reviews on decision making - implications to the travel industry
Peter Lok, Glenn Asano and Jo Rhodes

An investigation of taste and reference dependence heterogeneity
Andrew Collins and John Rose

The Role of Source Preference and Subjective Probability in Valuing Expected Travel Time Savings
David A. Hensher, Zheng Li and Chinh Ho

Linking Discrete Choice to Continuous Demand in a Spatial Computable General Equilibrium Model
Truong P. Truong and David A. Hensher

Port Investments on Coastal and Marine Disasters Prevention: An Economic and Policy Investigation
Yi-bin Xiao, Xiaowen Fu, Adolf K.Y. Ng and Anming Zhang

Willingness to accept longer commutes for better salaries: understanding the differences within and between couples
Matthew J. Beck and Stephane Hess

Value creation using social media in a virtual business model: how Amazon approaches customer service on twitter
Jyotirmoyee Bhattacharjya, Sonali Tripathi, Adrian B Ellison and Nuntikorn Kitratporn

Why Chinese airlines haven’t become leading cargo carriers - analyzing air freight network and international trade drivers for mainland China
Qiang Gong, Kun Wang, Xingli Fan and Xiaowen Fu

Analysing air operators’ managerial perceptions of incentives for competing for regional PSO air services within Europe
Rico Merkert and Basil O’Fee
Constrained stated choice experimental designs
Andrew Collins, Michiel Bliemer and John Rose

Not too late to learn from the Sydney Olympics experience: Opportunities offered by multimodality in current transport policy
Corinne Mulley and Claudine Moutou

How green is a lean supply chain?
Behnam Fahimnia, Joseph Sarkis and Ali Eshragh
LEARNING AND TEACHING

UNDERGRADUATE

ITS-MONASH

UNITS 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 David Lee and Jeremy Yuen 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

POSTGRADUATE COURSEWORK

ITS-MONASH

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

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

UNITS OF STUDY

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

China Master’s Program (in partnership with South East University in China)

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

The degree programs offered by ITLS-Sydney in 2014 were:

- Master of Logistics Management (10 units)
- Masters of Transport Management (10 units)
- Master of Commerce, specialisation in Logistics and Supply Chain Management (16 units)
- Master of Transport Management combined with the Master of Logistics Management (16 units)
- Graduate Diploma in Logistics Management (6 units)
- Graduate Diploma in Transport Management (6 units)
- Graduate Certificate in Logistics Management (4 units)
- Graduate Certificate in Transport 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, supply chain 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 2014 included: Busways; ComfortDelGro Cabcharge, Huawei; Parmalat and PwC.

UNITS OF STUDY

Total enrolments for each unit are shown in brackets.

- Airport Management [33]
- Airline Strategy and Supply Chains [27]
- Aviation Case Studies and Simulation [7]
- Contemporary Procurement [39]
- Decision Making on Mega Projects [50]
- Disaster Relief Operations [11]
- Foundations of Supply Chain Management [117]
- GIS for Transport Supply Chains [17]
- Global Freight Logistics Management [49]
- Global Value Chain Networks [32]
- Infrastructure Financing [5]
- Logistics and Transport Economics [8]
- Management and Operation of Railways [13]
- Maritime Management and Logistics [25]
- Ports Management [12]
- Production, Retail and Reverse Logistics [27]
- Public Transport Operations and Policy [9]
- Quantitative Logistics and Transport [108]
- Strategic Transport Planning [8]
- Supply Chain Organisational Management [8]
- Supply Chain Planning Systems [43]
- Sustainable Urban Transport Policy [7]
- Traffic and Mobility Management [7]
- Transport and Infrastructure Foundations [18]
- Transport and Infrastructure Systems [10]
- Value Chain Costing [83]
- Warehouse and Inventory Management [50]
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. The course focuses on collaborative models of supply chain management, e-commerce logistics and future trends in retail logistics. The course is very strong on international product and service distribution and providing an appreciation of what the global market is doing.

A group of 65 students made up of business owners and level ‘C’ executives attended the weekend session and there was an overwhelmingly positive response to the courses. Gareth Jude, who delivered the course on Retail Logistics, commented “As you can imagine their appetite was not so much for theoretical frameworks and mathematical formulas but more for practical case studies”. “The enthusiasm for learning in China is a pleasure to behold”.

Gareth Jude with students at Shanghai Jiao Tong University, China

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 2014, 5 students graduated from our doctoral programs, with 31 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.

STUDENTS

Asif Ahmed (Bangladesh)
Analysis of travel time expenditure and budgets from multi-day multi-year GPS data

Farhana Ahmed (Bangladesh)
Impact of Weather on Commuting Cycling Behaviour and possible effects of climate change

David Alexander (Australia)
Aviation management

Babak Amani (Iran)
Ownership and usage of powered two-wheeled vehicles

Australian Postgraduate Award Industry
Richard Amoh-Gyimah (Ghana)
Exploring the effect of land use and socio-economics characteristics on transport network dynamics: a macro approach

Saeed Asadi Bagloee (Iran)
Transit priority optimization using mathematical modelling

Camila Balbontin (Chile)
Integrating Attribute Decision Heuristics into Travel Choice Models

Yujie Cai (China)
Supply chain interaction and overlap

Shelley Xiaying Cao (China)
Transportation safety
Charitha Dias (Sri Lanka)
Crowd dynamics in complex environments under normal and panic conditions

Chris De Gruyter (Australia)
Travel plans in the context of the planning process

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

Milad Haghani (Iran)
Underspending traveller route choice behaviour in uncertain conditions

Mahbubul Hakim (Bangladesh)
An Economic Analysis of Air Transport Demand in South Asian Countries

Wentao (Nick) Jing (China)
Network Modelling of Electric Vehicle

Shahi Taphsir Islam (Bangladesh)
Sustainable park-and-ride network design

Ahmed Mirza (Pakistan)
A new methodology to measure transport network reliability: integrating structural reliability and transport connectivity

Farhana Naznin (Bangladesh)
Exploring the road safety impacts of tram priority treatments

Jeffrey Newton (United Kingdom)
Cost management in customer-supplier relationships and networks with a focus on activity based costing

Duy Nguyen (Vietnam)
Exploring the road congestion relief impacts of public transport

Ines Österle (Germany)
Did car travel reach a peak in Australia and Germany? An analysis of the factors driving a decline in per capita kilometres travelled

Katerina Pavkova (Czech Republic)
Exploring the use of Lorenz curves as a means of understanding the operational performance of urban passenger transport

Supun Perera (Sri Lanka)
Development and application of holistic algorithms for optimising supply chain resilience

Mustafizur Rahman (Bangladesh)
Perceptions of safety of rail passengers and link to crime, anti-social behaviour and environmental design

Lorelei Schmitt (United States)
Exploring the impact of first impressions on public transport use

Li Shen (China)
New procedures for mode and purpose imputation in GPS travel traces

Christopher Standen (Australia)
The transport, health and economic impacts of cycling infrastructure, and frameworks for improved transport project appraisal

Collins Teye (United Kingdom)
Develop a modelling capability in support of policy on the siting and design of inter-modal container terminals in metropolitan area

Long Truong (Vietnam)
Understanding operational effects of combinations of public transport priority measures

Yan Yang (China)
Understanding quality aspects of urban public transport for international tourism

GRADUATES

Dr Kayvan Aghabayk
Modelling heavy vehicle car-following in congested traffic conditions

Dr Adrian Ellison (New Zealand)
Improving road safety: An analysis of drivers’ risk perceptions, personality and observed behaviour

Dr Richard Ellison (New Zealand)
Modelling policy-induced changes in freight vehicle externalities
Dr Kelvin Goh (Singapore)  
*Exploring the road safety impact of transit priority measures*  
*Singapore Land Transport Authority Scholarship*

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

**L-R:** Dr Alexa Delbosc, Monash Graduate Dr Brendan Pender and Professor Graham Currie
PROFESSIONAL DEVELOPMENT

ITS-MONASH

SAFETY MANAGEMENT COURSE IN BUS AND COACH OPERATIONS

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 2014 it attracted 376 enrolments.

A 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.

PUBLIC TRANSPORT PLANNING I AND II – NETWORK AND STRATEGIC PERSPECTIVES

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

ITLS-SYDNEY

BUS AND COACH OPERATOR ACCREDITATION SCHEME

The Bus and Coach Operator Accreditation Scheme Online Training Course (BOAS) attracted a record 228 enrolments in 2014, the highest number since the course was introduced in 2007, with a total of 1,423 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) and subsequent Acts, operators of bus and coach services must be accredited by the Director General (now Secretary) of Transport. One of the accreditation requirements is that applicants must be competent to operate a bus service. To meet the requirement of being competent applicants must pass the BOAS examination. The BOAS course includes four modules: i) Accreditation; ii) Management Information System; iii) Vehicle Maintenance Management System; and iv) Safety Management Systems. The BOAS course is delivered through online learning materials including notes, case studies, online quizzes, and a discussion board.

CERTIFICATE OF TRANSPORT MANAGEMENT

The Certificate of Transport Management (CTM) had an increase in enrolments in 2014 with 42 participants from the bus industry and their suppliers (NSW and interstate) and government enrolled in the CTM and CTM Refresher programs. The CTM provides knowledge and skills in management, planning and policy areas central to the success of the bus and coach industry, to operators, suppliers and consultants. It introduces participants to the latest developments in the industry and is recognised as an important industry qualification for middle and senior management, and an excellent opportunity for career development. The four day program includes presentations by industry representatives, specialist consultants and academic experts, designed to develop practical skills for the industry, as well as interactive exercises. The networking benefits are an important aspect of the CTM. The course content is reinforced by four assignments completed after the course. The CTM is supported by Transport for NSW, the State Transit Authority, BusNSW and private operators.
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, William Greene, Michiel Bliemer and Dr Andrew Collins. This week long introductory course, held in August, attracted international participants from as far afield as Italy and Chile. 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
Sam Hughes, Melissa Adikari and Jackson Guo

The Richardson Prize in Transport
Awarded to the Bachelor of Engineering student showing the greatest proficiency in one transport elective and project
Kristopher Saw and Anthony England

The Traffix Group Prize
Awarded to the Bachelor of Engineering students showing the greatest proficiency in transport engineering elective subjects
Krisopher Saw

POSTGRADUATE

The 2014 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
Hannah Ruprecht

ARRB-Monash Prize for Postgraduate Transport Research
For excellence in postgraduate research in transport
Kelvin Goh

Kelvin Goh (R) is awarded the ARRB-Monash Prize by Gerard Waldron, General Manager of ARRB

Hannah Ruprecht (L) is awarded the VicRoads Prize by Gary Liddle, CEO of VicRoads

William Young Alumnus Award
For exceptional service to the Transport Industry by an alumnus of Monash University
Professor Stephen Ritchie

INDUSTRY PROGRAM

The presentation of awards to outstanding students in 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
Debra McNamara

Debra McNamara (R) is awarded the Driver Group Award by Robert Nadalin
Crown Coaches Award
For the best performance in the Safety Management Course, Subject 5102 Safety Risk Management for Bus Operators
Mose Tiziani

Mose Tiziani (R) is awarded the Crown Coaches Award by John Clements for Ian McKean

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

Peter McKenzie (R) is awarded the Dyson Group Award by Neil Dyson

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

Ben Baude (R) is awarded the Ventura Group award by Andrew Cornwall

Transport Safety Victoria Award
For the best overall performance in the Safety Management Course for Bus Operators
Debra McNamara

Debra McNamara (R) is awarded the Transport Safety Victoria Award by Stephen Turner

BusVic Award
For the best overall performance in the Transport Management Course for Bus Operators
Stuart Dawson

Stuart Dawson (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 2014 Awards Night was held in the Forum Restaurant in the Darlington Centre at the University of Sydney on Saturday 12 April 2014.

Guest Speakers

David Stewart, Secretary, Transport for New South Wales

Professor Tyrone Carlin, Deputy Vice-Chancellor (Registrar), University of Sydney

Presentation of Awards

The Mrs MA Ching Prize
For outstanding achievement in the graduate program in transport or logistics

Presented to Simon Siu-Sang Ho accepted by Professor Michiel Bliemer, ITLS by Dr Alastair Stone, Chair, ITLS-Sydney Board of Advice

Institute of Transport and Logistics Studies’ Prize
For research excellence in transport or logistics

Presented to Dr Adrian Ellison (L) by Professor Tyrone Carlin (R)

And

Presented to Dr Claudine Moutou (R) by Professor Tyrone Carlin (L)

Logistics Association of Australia (LAA) Award
For outstanding achievement in the logistics program

Presented to Patchara-On Chalcheva (L) by Denis Horder (R) Director, Logistics Association of Australia
The Chartered Institute of Logistics and Transport in Australia (CILTA)

Ken Hillyar Award
For the best student in a master’s program with a major in transport or logistics management

Presented to Favio Del Castillo Lopez (L) by Peter Koning (R), Ambassador, Chartered Institute of Logistics and Transport

Sir Hudson Fysh Award
For the best student in a master’s program with a major in transport or logistics management

Presented to Janina Rozek (L) by Peter Koning (R)
Ambassador, Chartered Institute of Logistics and Transport

Bus and Coach Association (NSW) Prize
For best overall performance in the Certificate of Transport Management program

Presented to Paul Judd, accepted by Dr Geoffrey Clifton (L) by Darryl Mellish (R), Executive Director, BusNSW

Presentation of Certificate of Transport Management

Graduates of the Certificate of Transport Management program with Darryl Mellish (R), Executive Director,

Our guests
PUBLIC LECTURES AND SEMINARS

ITS-MONASH ANNUAL OGDEN TRANSPORT LECTURE

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

Professor Robert Bertini presents: Discoveries in D.C. and Delft: Reflections on the Future of Transportation Research and Education

The 2014 Ogden Transport Lecture was delivered on 27 August 2013 by Professor Robert Bertini, former Deputy Administrator of the Research and Innovative Technology Administration at the U.S. Department of Transportation and currently Professor at Portland State University, USA. The lecture was a reflection on Prof Bertini’s views on the future of transportation research and education. These views were shaped during a tour of duty in politics and policy in Washington DC, followed by a year living car-free in the Netherlands. From these unique vantage points, building on a 25-year career in the transportation field, he was able to view the intersections of science, policy and politics.

TRANSPORTATION RESEARCH WORKSHOP SEMINAR SERIES

15 April 2014
Are we sleepwalking into a radically different local passenger transport future?
Dr Marcus Enoch, Loughborough University

20 November 2014
The cost of transportation noise: what can meta-analysis of stated preference studies tell us?
Professor Abigail Bristow, Loughborough University

11 December 2014
Public transport in a transforming society – a service perspective
Markus Fellesson, Karlstad University

INTERNATIONAL VISITORS

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 Robert Bertini from Portland State University and Aleksandar Bauranov from UC Berkeley.

Professor Elise Miller-Hooks from University of Maryland visited as part of the Engineering for Extremes Civil Engineering workshop. She also participated in a feedback session with ITS Monash PhD students.

Professor Elise Miller-Hooks (second from right) with ITS Monash staff and students.

L - R: Professor Frieder Seible, Professor Robert Bertini and Associate Professor Majid Sarvi at the 2014 Ogden Transport Lecture.
ITLS-SYDNEY

LEADERSHIP AND POLICY SEMINAR SERIES

4 March 2014
Does having a transport policy help to identify infrastructure projects
John Austen, General Manager, Policy; Infrastructure Australia

18 March 2014
Planning for a second Sydney airport
Peter Thornton, General Manager - Infrastructure, WorleyParsons

25 March 2014
Residential mobility, mode choice and risky choice: the household point of view
Professor André de Palma, ENS Cachan, France

1 April 2014
Financing international urban development infrastructure
Dr Michael Lindfield, Former Principal Urban Development Specialist at Asian Development Bank

8 April 2014
Are we sleepwalking into a radically different local passenger transport future?
Dr Marcus Enoch, School of Civil and Building Engineering, Loughborough University, UK

29 April 2014
Putting behaviour back into choice modelling: what are the potential benefits for transport research?
Professor Stephane Hess, Institute for Transport Studies, University of Leeds, UK

7 May 2014
Sydney trains
Howard Collins, CEO, Sydney Trains

13 May 2014
Leading Major Transport Projects
Peter Koning, MD NR consulting + CILTA NSW

20 May 2014
The construction and Future of Wellcamp Airport
John Wagner, Chairman of Wagner Global Services

3 June 2014
The Foundations of an Effective Bus Network
Neil Smith, CEO Tower Transit Operations Ltd

24 June 2014
Open Skies: Estimating consumers' benefits from free trade in airline services and policy recommendations from a US perspective
Dr Jia Yan, Washington State University, USA

29 July 2014
What can we learn from Disruptions?
Professor Greg Marsden, ITS The University of Leeds, UK

12 August 2014
Emerging Issues in Parking Policy
Professor Steve Ison, Loughborough University, UK

2 September 2014
The case for light vehicle emissions standards in Australia
Kathryn Smith, Australian Climate Change Authority

16 September 2014
Optimal public transport fares for Sydney
Mike Smart, Sapere Research Group

7 October 2014
The granular economic characteristics of our cities and their implications on infrastructure investment
Rob Tyson, PwC

14 October 2014
Industrial relations strategy in a greenfields resources-based environment
Clint Feuerherdt, Transit Systems

28 October 2014
Public transport frequency matters: the South East Queensland experience
Sally Stannard, TRANSlink
1 November 2014

Exploring the relationship between material poverty and the travel behaviours of low income populations
Associate Professor Karen Lucas, ITS, University of Leeds, UK

25 November 2014

The cost of transportation noise: what can meta-analysis of stated preference studies tell us?
Professor Abigail Bristow, Loughborough University, UK

INTERNATIONAL VISITORS

Many of the presenters in the Leadership and Policy Seminar Series visited with ITLS-Sydney for a number of days or weeks meeting with colleagues and undertaking collaborative research.

ITLS-Sydney also welcomed visitors from:
University of the Aegean, Persa Paflioti; Delft University of Technology, LuUK Brederode; Dalian University of Technology, China, Dr Jin Chun; Loughborough University, UK, Professor Stephen Ison; EcoTopia Science Institute, Nagoya University, Japan, Tomio Miwa; Jonathas Barbosa Moreira; Washington State University, Dr Jia Yan; National Kaohsiung First University of Science and Technology (NKFUST), Ta-Hui Yang; and Southeast University, China, Bojian Zhou.
PROFESSIONAL HONOURS
AND ENGAGEMENTS

AWARDS

Dr Andrew T Collins
Eric Pas Dissertation Prize, The International Association for Travel Behaviour Research

Dr Alexa Delbosc
Monash University Advancing Women’s Research Success Grant

Dr Adrian Ellison
Dean’s Commendation for Teaching, University of Sydney Business School, Australia

Institute of Transport and Logistics Studies Prize for Research Excellence, University of Sydney Business School

Dr Xiaowen Fu
Dean’s Citation for Teaching Semester 1 2014, University of Sydney Business School

Professor David Hensher
University of Sydney Business School Excellence in Research, University of Sydney Business School, Australia

Dr Claudine J Moutou
Institute of Transport and Logistics Studies Prize for Research Excellence, University of Sydney Business School

Mr Jeffrey Newton
Dean’s Citation for Teaching Semester 1 2014, University of Sydney Business School, Australia

Dr Meead Saberi
Monash Vice Chancellor’s Social Inclusion Award

Mr Alan Win
Dean’s Citation for Teaching Semester 1 2014, University of Sydney Business School, Australia

FELLOWS

Professor Michael Bell
Transport Research Foundation, United Kingdom; Institution of Civil Engineers, United Kingdom; Chartered Institution of Highways and Transportation, United Kingdom

John Clements
Chartered Institute of Logistics and Transport, Australia

Professor David Hensher
Academy of Social Sciences in Australia; Australian Institute of Transport Planning Management; Chartered Institute of Logistics and Transport, Australia

Dr Rico Merkert
The Higher Education Academy (FHEA), United Kingdom

Professor Corinne Mulley
Chartered Institute of Logistics and Transport (CILT), Australia

Professor Geoff Rose
Institute of Engineers, Australia

Professor Peter R. Stopher
American Society of Civil Engineers; Engineers Australia (Civil College)

Mr Alan Win
Institute of Management Consultants, New Zealand

Professor William Young
Chartered Institute of Logistics and Transport, United Kingdom; Institute of Transportation Engineers, Australia and New Zealand; Institute of Engineers, Australia

VISITING APPOINTMENTS

Dr Matthew John Beck
Institute of Transport Studies, University of Leeds, UK; Graduate School for International Development and Cooperation, Hiroshima University, Japan

Professor Michael G.H. Bell
Civil and Environmental Engineering, Imperial College London, United Kingdom

Professor David Hensher
Department of Transport Engineering and Logistics, Pontificia Universidad Catolica de Chile, Chile; Land Transport Authority of Singapore, Singapore; ITLS Africa, University of Johannesburg, South Africa
Professor Corinne Mulley
Centre for Transport Studies, University of Aberdeen, United Kingdom

Professor John M Rose
Institute of Transport Studies, Faculty of Environment, University of Leeds, United Kingdom

Professor David Walters
Hong Kong Polytechnic University, Hong Kong, China

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

EDITORIAL POSITIONS

Professor Michael G.H. Bell
Associate Editor: Maritime Policy and Management; Transportmetrica A

Editorial Advisory Board: Journal of Intelligent Transport Systems

Dr Jyotirmoyee Bhattacharjya


Professor Michiel C.J. Bliemer
Editorial Advisory Board of Transportation Research Part B
Associate Editor: Journal of Choice Modelling

Professor Graham Currie
Associate Editor: Transportation
Editorial Board: Road and Transport Research Journal

Associate Professor Behnam Fahimnia
Editorial Advisory Board: Management Research Review (Emerald), Transportation Research Part E: Logistics and Transportation Review (Elsevier)


Dr Xiaowen Fu
International Editorial Board, Transport Policy (Elsevier), United Kingdom

Professor David Hensher

Area editor: Transport Reviews (United Kingdom)


Dr Terry Liu

Dr Rico Merkert
Associate Editor: Journal of Air Transport Management

Dr Claudine J Moutou
Editor: T2M Newsletter, International Association for History of Transport, Traffic and Mobility

Professor Corinne Mulley
Editorial Board: Journal of Transport and Land Use
Editorial Board: Research in Transportation History, United Kingdom Business and Management, Netherlands
Editor: Bus Buzz - Sydney Quarterly Newsletter
Professor Geoff Rose  
Editorial Board: IET Intelligent Transportation Systems, Editorial Advisory Board: ICE Transport Journal, Transportation

Professor John M Rose  
Chief-editor: Transportation Research Part A  
Co-Chief Founding Editor: Journal of Choice Modeling  
Editor: Transportation

Associate Professor Majid Sarvi  
Associate Editorial: Transportmetrica B

Professor Peter R. Stopher  
Editorial Board: Journal of Transportation and Land Use, Transport Reviews, Transportation Letters: The International Journal of Transportation Research

Professor William Young  
Editorial Board: ICE Transport Journal

CONFERECE COMMITTEES

Professor Michael Bell  
Convenor, International Symposium on Transportation and Traffic Theory

Professor Michiel Bliemer  

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)

Dr Xiaowen Fu  
Co-organizer, The Future of Automatic Container Terminals workshop, Australia

Professor Stephen Greaves  
Australasian Transport Research Forum, Australia; Co-organiser and Co-Chair of Local Organising Committee, International Travel Survey Methods Conference, Australia

Professor David Hensher  
Executive Chair and Co-Founder, The International Conference Series on Competition and Ownership in Land Passenger Transport

Dr Marilyn Johnson  
Australian Cycling Conference Reference Group

Dr Terry Liu  
Founding member, SIG B3, Intermodal Freight Transport, WCTR

Professor Corinne Mulley  
Vice Chair of the Executive Board, World Symposium of Transport and Land Use Research

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; Local Area Representative: World Conference on Transport Research

Professor Peter Stopher  
Special Adviser, Local Organising Committee, International Steering Committee for Travel Survey Conferences, Australia

Dr Meead Saberi  
United States Transportation Research Board Committee: Traffic Flow Theory (ABH45)

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); Scientific Committee: 20th International Symposium on Traffic and Transport Theory, The Netherlands
Dr Amir Sobhani
United States Transportation Research Board
Committee: Crowd Flow Dynamics, Modelling and Management (AHB45(2)); Member, Scientific Committee of Pedestrian and Evacuation Dynamics 2014, Delft University of Technology, Netherlands

Professor William Young
United States Transportation Research Board
Committee: Transportation Network Modelling (ADB30)

PROFESSIONAL COMMITTEES, SYMPOSIA AND WORKSHOPS

Dr Matthew John Beck
Transportation Research Board, United States; International Association for Travel Behaviour Research

Professor Michael Bell
International Maritime Economists Association; Chartered Institute of Logistics and Transport, UK

Dr Jyotirmoyee Bhattacharjya
National Association of Women in Operations; Chartered Institute of Purchasing and Supply Management Australia; Logistics Association of Australia; Council of Supply Chain Management Professionals; Association of Information Systems

Professor Michiel Bliemer
Network Modelling Committee of the Transportation Research Board, United States; Survey Methods Committee of the Transportation Research Board, United States

John Clements
Passenger Transport Group Committee, Chartered Institute of Logistics and Transportation; Associate Professor Behnam Fahimnia; Australian and New Zealand Academy of Management (ANZAM); Council of Supply Chain Management Professionals (CSCMP), United States; European Operations Management Association (EurOMA), Belgium; Logistics Association of Australia (LAA); Production and Operations Management Society (POMS), United States; The Institute for Operations Research and the Management Sciences (INFORMS), United States

Dr Xiaowen Fu
International Maritime Economists Association; The World Conference of Transportation Research; Transportation and Public Utilities Group, American Economics Association; The Air Transport Research Society

Professor Stephen P Greaves
International Steering Committee Travel Survey Conference; Committee on Air Quality (ADC20), Transportation Research Board, United States; Committee on New Technologies in Travel Surveys (ABJ40-4), Transportation Research Board, United States

Professor David Hensher
Transport for NSW Expert advisory panel for the Long Term Transport Master Plan, Australia; Infrastructure Australia reference panel on public transport, Australia; Advisory Board, Institute of Transport and Logistics Studies (Africa), South Africa; Transport NSW benchmarking program panel, Australia; American Planning Association, United States

Dr Chinh Quoc Ho
The World Conference on Transport Research Society (WCTRS); The Eastern Asia Society for Transportation Studies (EASTS)

Dr Marilyn Johnson
Amy Gillet Foundation Research and Policy Committee; Member, National Executive Committee, Australasian College of Road Safety; Member, Australasian College of Road Safety, Victorian Chapter

Dr Rico Merkert
Transportation Research Board's (TRB) Standing Committee on Light Commercial and General Aviation (AV080), United States; Logistics Association of Australia (LAA), Australia; Northpoint Aviation Services; German Academic Association for Business Research (VHB); German Aviation Research Society (GARS); Air Transport Research Society (ATRS); Railway Study Association (RSA), which is associated with LSE, London; Royal Economic Society (RES); Verband der Stipendiaten und Altstipendiaten der FNF (VSA); Deutsche Verkehrswissenschaftliche Gesellschaft e.V. (DVWG)
Dr Claudine J Moutou
The Chartered Institute of Logistics and Transport, Australia; World Society for Transport and Land Use Research (WSTLUR); Academic Association of Historians in Australian and New Zealand Business Schools (AAHANZBS), Australia; International Association for the History of Transport, Traffic and Mobility (T2M); The Australian Sociological Association (TASA), Australia

Professor John M Rose
Innovative Methods in Transport Analysis, Planning and Appraisal Programme Committee, European Transport Conference; International Association for Travel Behaviour Research; Travel Survey Methods Committee, Transportation Research Board, United States; Traveler Behavior and Values, Transportation Research Board, United States

Associate Professor Majid Sarvi
Transport Committee: Engineers Australia

Dr Amir Sobhani
Member, American Society of Civil Engineers
Professor John Kenneth Stanley
Chartered Institute of Logistics and Transport; Australian Institute of Company Directors, Australia

Professor Peter R. Stopher
Committee on Transport Survey Methods (ABJ40), Transportation Research Board, United States; Committee on Traveler Behavior and Values (ADB10), Transportation Research Board, United States; Committee on Transportation Planning Applications (ADB50), Transportation Research Board, United States; Committee on Passenger Travel Demand Forecasting, United States; Institute of Transportation Engineers, United States

Mr Alan Win
Chartered Institute of Logistics and Transport, New Zealand

Professor William Young
Committee, Australian Standard Association AS/NZS 2890 INDEPENDENT EXPERTISE

INDEPENDENT EXPERTISE

Professor Graham Currie
Unplanned Rail Disruption RandD Project, Metro Trains, Melbourne, Australia; Market Development Research Project, Metro Trains, Melbourne, Australia; Travel Demand Management Study, PATREC West Australia; Cross National Survey of Public Transport Users, Public Transport Victoria; Review of Melbourne Metro Options, City of Melbourne

Dr Alexa Delbosc
Unplanned Rail Disruption RandD Project, Metro Trains, Melbourne, Australia; Market Development Research Project, Metro Trains, Melbourne, Australia; Travel Demand Management Study, PATREC West Australia; Cross National Survey of Public Transport Users, Public Transport Victoria

Professor David Hensher
Director General, Transport for NSW, Australia; Demand-Modelling, Sydney Transport Sector Study, NSW Government, Australia Sydney Transport Sector Study, NSW Government, Australia; Toll Road Infrastructure Projects, Macquarie Bank, Australia; Passenger Transport Reform, Land Transport New Zealand, New Zealand

Dr Marilyn Johnson
Safe System Solution, Identifying priority routes for cyclists, North West Victoria

Associate Professor Peter Lok
Baodao Optical Group, China

Professor Corinne Mulley
PCAL Active Roundtable, Australia; Department of Planning, NSW State Government; The Premier's University Government Business Forum, Australia; Premier's Council for Active Living Workplace Travel Planning group, Australia; Infrastructure Australia National Audit of infrastructure; Review of the national guidelines for project evaluation, Australia.

PEER REVIEW and EXPERT EVALUATION of PROJECTS

Professor Michael Bell
Advisor, Hong Kong Polytechnic University, China
Professor Graham Currie
Independent Reviewer, Land Transport Authority, Singapore; Expert Advisor, Victorian Office of the Auditor General; Member, Translink Qld Revenue Protection Taskforce; Member Advisory Board Austroads and Australian Transport Council of Governments

Dr Xiaowen Fu
Expert Assessment Panel for Major National Research Project, Huazhong University of Science and Technology, China

Professor Stephen Greaves
NSW Department of Environment and Climate Change

Professor David Hensher
West Connex Delivery Authority (WDA) peer review adviser; Land Transport Authority (Singapore) updating of Economic parameters with Aecom; Southern Water (United Kingdom) peer reviewer of quality enhanced pricing reforms.

Dr Marilyn Johnson
Tasmanian Cycling Safety Steering Committee; Queensland Parliamentary Inquiry into Cycling Issues, expert witness Roundtable (2013)

AUSTRALIA

Professor Graham Currie
Victorian Election Environment Expert Policy Review
Environment Institute of Australia and New Zealand, Melbourne

Understanding the Psychology of Fare Evasion (Melbourne) and Cross National follow-on Study
Yarra Trams, Melbourne

Melbourne Public Transport Needs vs Promises’
Institution of Transportation Engineers ‘Promises Promises Seminar
Jacobs Theatrette, Melbourne

Understanding the Psychology of Fare Evasion (Melbourne) and Cross National follow-on Study
Australian Railway Association Light Rail Meeting
Transport for NSW, Sydney

A New Index to Measure the Quality of Urban Public Transport for International Tourists
Tourism and Transport Forum, Australian Transport Summit, Sydney

Monash Public Transport Research - Summary of Recent Innovations and Discoveries
Planning and Transport Research Centre (PATREC), Perth

Overview and Some Initial Findings – Public Transport Research Modelling
AITPM Forum Victorian Traffic Modelling Group, Melbourne

Recent ITS (Monash) “breakthroughs” in research on Bus Safety and Bus Priority
Bus Industry Confederation Australasia Bus and Coach Conference, Gold Coast
Transforming Transport in London for the 2012 Olympic Games
Planning and Transport Research Centre (PATREC), Perth

State Election Transport Forum – Monash
Metropolitan Transport Forum, Melbourne

Servicing the Melbourne of Tomorrow
Executive Forum, Melbourne

Melbourne Public Transport – Issues, Progress and Prospects
North East Transport Forum, Melbourne

INVITED PRESENTATIONS

INTERNATIONAL

Dr Xiaowen Fu
The OECD/ITF Workshop on aviation liberalization
France

The Chinese University of Hong Kong
China

Huazhong University of Science and Technology, China

Dr Marilyn Johnson
Invited delegate of Dutch Government
The Netherlands

Dr Terry Liu
Urban Congestion Pricing
Hefei Institute of Technology, China
Public Transport Progress and Failures - Keeping up with Growth in Australian Cities
Engineers Australia Seminar, Melbourne

Impacts and Lessons from the London 2012 Olympic Games Travel Demand Management Program – an Independent View
PTV Forum, Melbourne

Transport and Liveability - Progress, Failure and Opportunities
Institute of Public Works Engineers Australia, Melbourne

Public Transport Progress and Failure - Keeping up with Growth in Australian Cities
National Infrastructure and Cities Summit, Sydney

Melbourne Transport – Issues, Progress and Prospects
Whitehorse Greens Transport Event, Melbourne

Public Transport Options for the Doncaster Corridor
Doncaster Rail Forum, Melbourne

Role of public transport in delivering productivity outcomes
Rural and Regional Affairs and Transport Reference Committee, Melbourne

Melbourne Public Transport @ 6 M – Issues, Progress and Prospects
Transport for 6 Million, Melbourne

Dr Marilyn Johnson
Rail level crossing forum invited speaker
Monash University Accident Research Centre and University of Sunshine Coast, Melbourne

Invited participant, National Road Safety Forum
Australian Government, Department of Infrastructure and Regional Development, Canberra

Professor Corinna Mulley
Public transport creating agglomeration economies
NSW Transport Infrastructure Summit

Keynote Speaker, Tasmanian Bus Association Annual Conference
IN THE MEDIA

THE CONVERSATION

Key Centre academics actively contributed to The Conversation in 2014. Dr Marilyn Johnson asked why we still hear people joking about hitting cyclists, Professor John Stanley proposed sources for potential funding to improve public transport and Dr Mathew Beck was published on why infrastructure projects are ripe for political point scoring as well as contributing an opinion piece about infrastructure and investment in Australia. Professor Michiel Bliemer made several contributions on proposed changes to road use pricing.

CYCLING STILL IN THE SPOTLIGHT

Dr Marilyn Johnson continues to advocate for safe cycling with interviews on 774 ABC Melbourne and Triple R radio. She was interviewed for Channel 7 Nightly News on the new law about cycling overtaking distance and was interviewed for cyclingtips.com.au and also featured in MX Brisbane and the Herald Sun. Associate Professor Stephen Greaves was quoted in a Bloomberg article on the subject of cyclist safety and The Daily Telegraph referred to his research undertaken with Dr Richard Ellison in an article discussing whether cycling to work could be a faster option than travelling by train for short journeys.

IN OTHER NEWS...

Our Chairs in Public Transport engaged with the media throughout 2014 on issues such as: road usage and registration charges - Professor Corinne Mulley, 2UE, Sydney Morning Herald; Professor Graham Currie on the Melbourne’s new free fare tram zone; town planning and public transport – Professor Mulley, Sydney Morning Herald.

Dr Geoffrey Clifton was interviewed by Ten Eyewitness News on the roll out of the Opal card in Sydney and later quoted in a Sydney Morning Herald article about the rise in users.

Dr Alexa Delbosc continued the dialogue about the changing driving habits of young Australians on radio and on ABC TV programs The Drum and the 7:30 Program.

The ABC News Radio Melbourne Drive interviewed Professor David Hensher on the Transport Opinion Survey (TOPS) that found one in four employees could work from home. Associate Professor Stephen Greaves was interviewed by 2UE Sydney Mornings, 891 ABC Adelaide, 6PR Perth about the impact that more people working from home would have traffic and transport infrastructure.

Dr Rico Merkert provided insight into why airline fares and fuel surcharges had not come down in response to a fall in oil prices with an SBS Radio News interview, Sydney Morning Herald article and was quoted in the Australian Financial Review.

Professor David Hensher was interviewed by the Sydney Morning Herald about the change in plans to the WestConnex motorway and planned changes to the route.

Professor Hensher also contributed to a Daily Telegraph special tribute to Bradfield on the Sydney Harbour Tunnel, looking at its construction and whether more lanes should have been included.
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.

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Chair in Public Transport, ITS-Monash

Charmaine Dunstan
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Omid Ejtemai
TSS Executive and Senior Management

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CEO, ITS Australia

Professor David Hensher
Director, ITLS - Sydney

Peter Hunkin
Transport Advisory Leader, ANZ Infrastructure & Environment Jacobs

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

Ian Pitcher
Managing Director – Southern Australia AECOM

Professor Geoff Rose
ITS-Monash and Monash Sustainability Institute

Associate Professor Majid Sarvi
Director, ITS-Monash

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

David Teller
Sector Managing Director – Transport, Hyder Consulting

Gerard Waldron
Managing Director, ARRB Transport Research

Professor Jeffrey Walker
Head, Department of Civil Engineering, Monash University

Professor William Young
Chair of Civil Engineering, ITS-Monash

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Director, ITLS-Sydney

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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  
Planning Commissioner NSW  

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 Kilgariiff  
Chief Executive Officer, Australian Logistics Council  

John King  
Managing Director, Aviation and Tourism Management Pty Ltd  

Peter Koning  
General Manager Network Rail  

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

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

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**OUR STAFF**

**ITS-MONASH**

![ITS-Monash Staff](image)

-L-R: Dr Alexa Delbosc, Professor Geoff Rose, Dr Susilawati (visiting from Monash Malaysia), Professor Graham Currie, Dr Meead Saberi, Associate Professor Majid Sarvi, Dr Terry Liu. Not pictured: Professor William Young, Dr Kayvan Aghabeyk, John Clements, Omid Ejtemai, Dr Marilyn Johnson, Bill Kilpatrick, Dr Amir Sobhani, Wendy Walker and Brenda O’Keefe.

**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, ITLS-Sydney**  
**Professor Corinne Mulley**  
BA Hons Nott MSc PhD Lond, FCILT

**Chair in Public Transport, ITS-Monash**  
**Professor Graham Currie**  
BSc Hons Huddersfield MSc Cranfield PhD Monash

**Professor of Transport Management, ITLS-Sydney**  
**Associate Professor Stephen Greaves**  
BA Hons Leeds MSc Wales PhD LSU

**Chair in Transport and Logistics Modelling, ITLS-Sydney**  
**Professor John Rose**  
BEC Hons PhD Sydney

**Chair of Civil Engineering, Monash University**  
**Professor William Young**  
BE Hons UNSW GradDipMgt MBA Deakin MSc PhD Monash FIEAust FCIT FITE MACRS

**Professor of Transport Management, ITLS-Sydney**  
**Associate Professor Stephen Greaves**  
BA Hons Leeds MSc Wales PhD LSU

**Professor in Civil Engineering and Monash Sustainability Institute, ITS-Monash**  
**Professor Geoff Rose**  
BEng QIT MSc PhD Northwestern MIEAust CPEng MITE

**Professor of Transport Planning, ITLS-Sydney**  
**Professor Peter Stopher**  
BSc Eng PhD Lond FIEAust FASCE MASA MITE
Associate Professor in Supply Chain Management
Professor Behnam Fahimnia
MEng; GradCert; PhD UniSA

Senior Lecturer in GIS and Analysis Tools, ITLS-Sydney
**Dr Matthew Beck**
BEC Hons MPhil PhD Sydney

Senior Lecturer in Aviation and Maritime, ITLS-Sydney
**Dr Xiaowen Fu**
BappEc BCompSc SJTU MInfoMgmt Nangyang Tech PhD BrCol

Senior Lecturer in Aviation Management, ITLS-Sydney
**Dr Rico Merkert**
MSc TU Berlin/NHH Bergen PhD Leeds

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**
B Econ(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 in Transport and Logistics Executive Programs, ITLS-Sydney
**Dr Claudine Moutou**
BA UNSW; MEnvManagement UNSW; PhD Sydney

Lecturer in Civil Engineering, ITS-Monash
**Dr Meead Saberi**
Mashad MEng Portland State PhD Northwestern

Research Fellow / Lecturer, ITS - Monash
**Dr Alexa Delbosc**
BA Lewis & Clark MA Harvard PhD Monash

Postdoctoral Research Fellow / Lecturer, ITLS-Sydney
**Dr Adrian Ellison**
BCom Ryerson MCom/MLogMan PhD Sydney

Postdoctoral Research Fellow / Lecturer, ITLS-Sydney
**Dr Richard Ellison**
BCom Ryerson MCom/MLogMan PhD Sydney

Postdoctoral Research Fellow, ITLS-Sydney
**Dr Chinh Quoc Ho**
BE Hons HCMUT ME Nagoya 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

Research Affiliate and Lecturer in Logistics and Supply Chain Management
Alan Win
CMC ML&SCM FIMCNZ MCILT CPIM

SESSIONAL LECTURERS, ITLS-SYDNEY

Gareth Jude
BA(Hons) York MBus UTS DipEd Sydney

Jersey Seipel
MA FH Frankfurt

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 Kayvan Aghabeyk
PhD Monash

Research Fellow, ITS - Monash
Dr Marilyn Johnson
MApSocRes PhD Monash

Research Fellow, ITS - Monash
Dr Amir Sobhani
PhD Monash

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

Senior Research Analyst
Dr Liang Ma
BE CUGB; MS Peking Univ; PhD Portland State

Senior Research Analyst
Mark Raadsen
MSc Twente

Senior Research Analyst
Wen Liu
BTE SCU, MIT Sydney

PROFESSIONAL STAFF

Administration Assistant, ITLS-Sydney
Kaylene Bodell

Office Manager, ITLS-Sydney
Jo Dumergue (retired July)

Executive Director, ITLS-Sydney
Jo Webb (commenced July)

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 (retired July)

Administration Officer
Anna White (commenced July)

ITLS-Sydney Professional Staff

L-R Jenny Vicic, Annette Thomas, Kaylene Bodell