



THE AUSTRALIAN KEY CENTRE IN TRANSPORT MANAGEMENT

Annual Report 2011

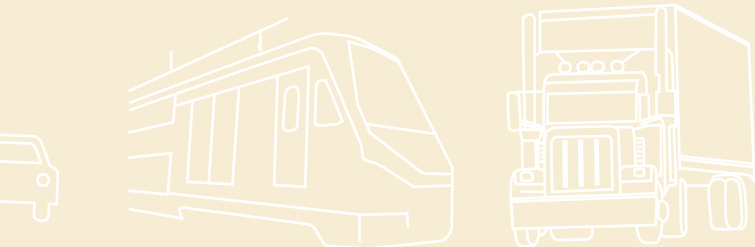
This Key Centre is a joint venture between:



THE UNIVERSITY OF
SYDNEY



MONASH University
Engineering

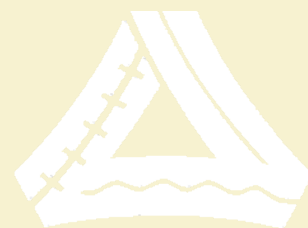


THE AUSTRALIAN KEY CENTRE IN TRANSPORT MANAGEMENT

ANNUAL REPORT 2011

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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 16 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 by:-

- 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

2011 marks the 16th 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 next year Key Centre staff will come together at a major function to celebrate ITLS-Sydney's 21 years as an institute.

The Key Centre has grown to 30 permanent academics and researchers supported by eight professional staff and complemented by 20 honorary and adjunct affiliates and sessional lecturers. We welcomed four new staff members in 2011. At ITS-Monash Dr Nirijan Shiwakoti joined as a Lecturer in Civil Engineering and Bill Kilpatrick joined as a Senior Research Officer in the Transport Safety Program. After completing their doctorates at ITLS-Sydney, Dr Geoffrey Clifton and Dr Jyotirmoyee Bhattacharjya joined the academic staff of the institute as Lecturers in, respectively, Transport Management and Logistics Management. In 2011 ITLS-Sydney also secured the establishment of new Chairs in Ports and Maritime Logistics and Transport and Logistics Network Modelling, and Senior Lectureships in Aviation Management and Ports and Maritime, positions which will be filled in 2012-13.

The Key Centre won three Australian Research Council Discovery Project grants in 2011 for research commencing in 2012. Professor Peter Stopher won funding to undertake research on travel-time budgets, using GPS panel data collected over the past several years by ITLS-Sydney. ITS-Monash won funding to investigate innovative urban traffic congestion solutions and I was pleased to receive another Discovery Project grant, with Associate Professor John Rose, to research the valuation of service reliability and crowding as demand drivers for public transport.

With Associate Professor John Rose, I published an edited collection of foundational contributions to choice modelling (Edward Elgar). Professor Graham Currie published the findings of a highly successful, international research project exploring links between social exclusion, transport disadvantage and psychological wellbeing in a new Emerald Book titled *New Perspectives and Methods in Transport and Social Exclusion Research*. Professor Peter Stopher completed his book *Collecting, Managing, and Assessing Data Using Sample Surveys* which will be published by

Cambridge University Press in early 2012. Over the year, I am proud to say that Key Centre staff authored 21 book chapters, 76 journal papers and delivered 90 papers to conferences around the world.

Key centre staff continue to be recognised for the contributions they make to industry and government sector activities. Professor Corinne Mulley and I became members of the federal Infrastructure Australia's Reference Group on Public Transport Policy and the Specialist Advisory Group of Transport for NSW's Long-term Transport Master Plan. Adjunct Professor John Stanley was appointed to the Board of Directors of the Urban Renewal Authority Victoria. Associate Professor Stephen Greaves was awarded a prestigious visiting research fellowship with the Université Paris-Est in Paris and spent one month there working on a collaborative research project involving the use of GPS in the French national travel survey.

Thredbo 12 (The 12th International Conference on Competition and Ownership in Land Passenger Transport) was held in Durban, South Africa in September in partnership with ITLS-Africa; I thank Professor Jackie Walters and his team at the University of Johannesburg for delivering the best conference in the series to date.

I would like to acknowledge the commitment and dedication of Dr Alastair Stone and Adjunct Professor John Stanley in chairing our Boards of Advice. These Boards continue to provide important advice and direction to the Key Centre. In 2011, John Stanley and the ITS-Monash Board played a pivotal role in the internal review of the institute. 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 Tyrone Carlin (Acting 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.



A handwritten signature in black ink, which appears to read 'D Hensher'. The signature is written in a cursive, somewhat stylized font.

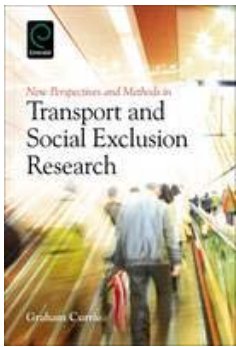
Professor David Hensher
Key Centre Director

HIGHLIGHTS

RESEARCH FUNDING SUCCESS

In 2011 the Key Centre won three Discovery Project grants from the Australian Research Council; the only three grants nationally to be awarded for research in the area of transportation and freight services. Funding for these grants is extremely competitive with a national success rate for 2011 applications of only 21.95%. The grant won by Dr Majid Sarvi and Professor Graham Currie is the first of this type to be awarded to ITS-Monash and will fund research on *Innovative urban traffic congestion solutions*. Professor David Hensher and Associate Professor John Rose won their grant for research on *Valuation of service reliability and crowding under risk and uncertainty: Neglected drivers of demand for public transport* and Professor Peter Stopher for research on *Travel time budget analysis from multi-day and multi-year data*.

PUBLICATIONS



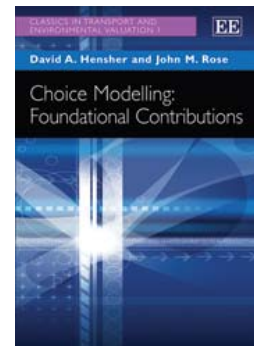
Since winning the ARC Linkage project *Investigating transport disadvantage, social exclusion and well being in metropolitan, regional and rural Victoria* in 2006, Professor Currie, with Alexa Delbosc and Adjunct Professor John Stanley, have been breaking new ground in this

important research area. This body of research culminated in the book *New perspectives and methods in transport and social exclusion research*, launched in 2011. The book outlines the methods used in the study and the implications for psychological well-being, social capital, economic modelling and transport planning. It includes contributions from Professor Hensher, Australian and international researchers.

ITLS-Sydney academics won a number of accolades for their papers in 2011. The best paper prize at the International Association of Maritime Economists Conference (Santiago, Chile) was awarded to the paper *Understanding Mode Choice Decisions: A Study of Australian Freight Shippers* which was co-authored by Professor Hensher, Dr Sean Puckett, ITLS-Sydney Visiting Scholar Mary Brooks (Dalhousie University, Canada) and Adrian Sammons (AMSTEC Design Pty Ltd). Professor Hensher achieved first, second

and eighth position in Transportation's (Springer) top ten of their most requested articles, for his papers, respectively, *The Mixed Logit model: The state of practice* (co-author William H. Greene), *Bus rapid transit systems: a comparative assessment* (co-author Thomas F. Golob) and *Stated preference analysis of travel choices: The state of practice*. His paper – *Some insights into the key influences on trip-chaining activity and public transport use of seniors and the elderly* – was in the top ten of the most cited articles in the International Journal of Sustainable Transport (2008-10, Taylor & Francis). Honorary Professor David Walters was named as one of the top 25 most published authors in the International Journal of Physical Distribution and Logistics Management (Emerald).

Professor Hensher and Associate Professor John Rose edited a volume of seminal papers on choice modelling for the Classics in Transport and Environmental Valuation series (Edward Elgar Publishers) for which Professor Hensher is the



Series Editor. Choice modelling is an area of growing popularity as many researchers and consultants seek to find better ways to explain the choices made by individuals, households and firms in many application contexts. Choice modelling as a field began as long ago as 1927 but it was the research in the 1960s and 1970s that cemented the field as a dominant one for studying choice.

POSTGRADUATE STUDENT SUCCESSES

ITS-Monash broke a new record with seven doctoral and two Masters students completing in 2011. This includes Dr Nirajan Shiwakoti, now a lecturer with ITS-Monash, on the project *Crowd dynamics under emergency conditions: using non human organisms in the development of a pedestrian crowd model*. Professor Graham Currie was awarded his doctorate by publication on the topic *Exploring interdisciplinary approaches to problems in public transport planning*. At ITLS-Sydney Geoffrey Clifton obtained his doctorate on *The importance of frequency and connectivity for enhanced bus services in suburban areas* and Jyotirmoyee Bhattacharjya obtained her doctorate on *Governance in value chain networks* receiving the ITLS-Sydney Prize for

Research Excellence in Transport or Logistics. Both Geoffrey and Jyoti have subsequently been appointed as lecturers with ITLS-Sydney.

LAUNCH OF NEW COURSES

The Transport Management Course in Bus and Coach Operations was launched by ITS-Monash in 1999. In 2010 a new regulatory regime for bus operations in Victoria was introduced, requiring a change to the existing Transport Management Course. 2011 was the final year that the old course was offered, and in its 12 years it accredited 1,913 operators in the state of Victoria. 2011 also saw the beginning of the new Safety Management Course which offers operators the necessary competencies to meet compliance and regulatory requirements in Victoria. Its first year of operation attracted over 200 enrolments. 2012 will see the launching of a new Transport Management Course which includes a business management component that will be required for operators who wish to undertake contractual services. In 2011 ITLS-Sydney formed a strategic partnership with Overseas Education College, Shanghai Jiao Tong University, China to develop and deliver logistics and supply chain management programs in the Modern Logistics and Supply Chain Management EMBA Study Course commencing in 2012.

PRESTIGIOUS APPOINTMENTS

In recognition of his standing as an international expert in urban transport and his contribution to Singapore's transport policy developments during his tenure as a member of the Land Transport Authority's International Advisory Panel, Professor Hensher was appointed as Honorary Fellow of Singapore's Land Transport Authority Academy. Adjunct Professor John Stanley was appointed to the Board of Directors of the Urban Renewal Authority Victoria; the Board is charged with leading the Authority in developing its business operations to deliver on its mandate to facilitate urban renewal outcomes across Victoria. Associate Professor Stephen Greaves won a research fellowship with Universite Paris-Est, Paris in France to work with colleagues at the French Institute of Science and Technology for Transport, Planning and Networks on the French national travel survey. Doctoral candidate, Claudine Moutou, won a place at the International Summer School on *The Passenger: Mobility in Modernity* organised by the International Association for the History of Transport, Traffic and Mobility (T2M) in

Berlin, Germany. Frederic Horst *MTM Sydney* was appointed as Adjunct Lecturer in International Freight Transportation at ITLS-Sydney. Frederic has worked with Qantas, Veolia Environmental Services Australia, DHL Aviation in Brussels/Bonn and for Cargolux Airlines in Luxembourg and has taught in our graduate program for a number of years.

WORLD TRANSIT RESEARCH WINS UITP PRIZE



Professor Graham Currie [R] receives the Asia-Pacific Regional Hall of Fame Award from UITP President Hans Ratt

The World Transit Research website is run by the Public Transport Research Group headed by Professor Currie at ITS-Monash. The website catalogues over 4,000 papers on quality transit research and since its launch in July 2010 it has attracted over 72,000 visits from over 160 countries. At the 59th World Congress of the Union Internationale De Transport Publics (UITP), the World Transit Research website was selected as one of five projects to be shortlisted out of 155 entries to the *Knowledge and Research Award*. The website was awarded the *Asia-Pacific Regional Hall of Fame Award*.

SYDNEY HERALDS BRT CREATOR



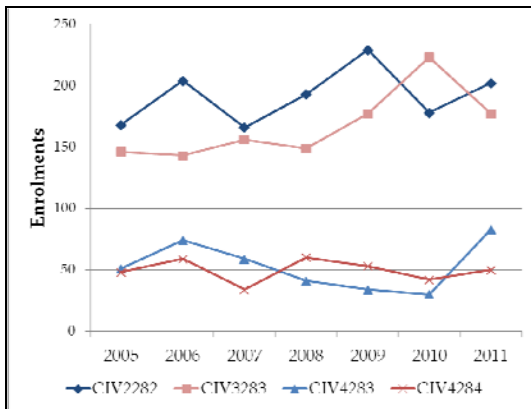
L-R: Dorte Ekelund (Major Cities Unit), Professor David Hensher and Enrique Peñalosa

Former Mayor of Bogota, Enrique Peñalosa gave an engaging presentation on *Mobility, Sustainability and Quality of Life* at the Tattersall's Club in Sydney co-hosted by ITLS-Sydney and the Major Cities Unit of Infrastructure Australia. Over 200 people attended the presentation by the Mayor who transformed Bogota into one of the world's leading examples of mobility and equity.

LEARNING and TEACHING

UNDERGRADUATE

ITS-MONASH



*Undergraduate coursework enrolments
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 2011 the scholarships were awarded to Michael Crowley and Carly Hunter who received financial assistance and a 12 week work placement with the Traffix Group.

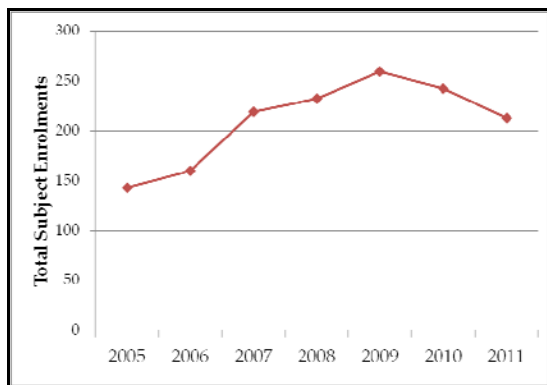
Over 40 undergraduates at ITS-Monash also undertook honour's projects as part of the units CIV4210 Project A and CIV4211 Project B under the supervision of Professors William Young, Graham Currie and Geoff Rose and Drs Yibing Wang and Majid Sarvi, projects included:

- Exploring the effectiveness of automatic passenger counters in public transport.
- Investigating the accuracy of rail real time passenger information.
- Investigating the dwell time benefits of cashless bus / tram access.
- Reviewing public transport web based passenger information systems.

- A review of social media development opportunities in providing public transport passenger information.
- Exploring changes in accessibility with the relocation of Waverley Park Stadium to Docklands.
- Personal safety, public transport and young people.
- Investigating the accuracy of tram real time passenger information.
- The design of public transport interchanges and terminals.
- A stochastic delay evaluation model for real-time incident management.
- The effect of vehicular distance distributions and mobility on VENETs.
- Complete coverage and point coverage in randomly distributed traffic sensor networks.
- Parking demand in Melbourne 1996-1999.
- Parking supply policy.
- Residential parking.
- The car-following and lane-changing behaviour of drivers.
- Crash investigation in USA.
- Parking pricing in Melbourne.
- Parking supply and parking policy in the City of Casey.
- Evaluation of Monash University bike arrival station.
- Bicycle and motorcycle rider behaviour at signalised intersections.
- Whole of life environmental impact assessment of transportation vehicles.
- Investigating Australian and international standards for the design of major gathering venues.
- Understanding pedestrian crowd behaviour.
- Investigating interactions between public transport and freight using public transport priority lanes.

POSTGRADUATE COURSEWORK

ITS-MONASH



*Postgraduate coursework unit of study enrolments
ITS-Monash*

Enrolments in the postgraduate program in transport and traffic are steady and continue to attract strong interest from 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

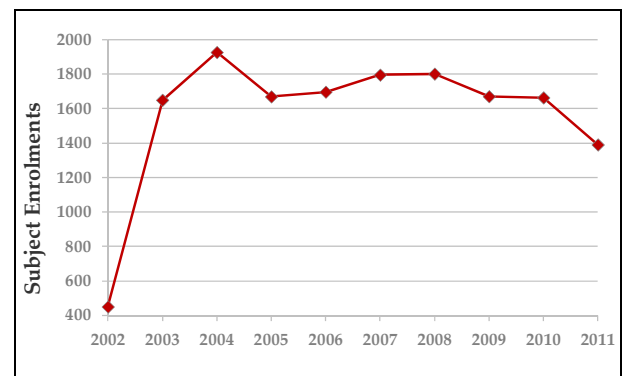
- Parking (CIV5307)
- Case Studies in Transport (CIV5308)
- Transport Planning and Policy (CIV5314)
- Intelligent Transport Systems (CIV5304)
- Quantitative Methods (CIV5303)
- Transport Modelling (CIV5305)
- Public Transport (CIV5316)
- Transport Economics (CIV5315)
- Road Traffic Engineering and Management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



Graduates of ITS-Monash's distance education program in transport and traffic with their lecturers.

L-R: Professor William Young, David Lavoipierre, Daniel Veryard, Brenda O'Keefe, Professor Geoff Rose, Christopher Arnott, Professor Graham Currie and Dr Majid Sarvi

ITLS-SYDNEY



*Postgraduate coursework unit of study enrolments
ITLS-Sydney*

Despite global financial uncertainty, the high Australian dollar and a rise in fees and entry requirements for international students, demand for the logistics and transport programs remained strong in 2011 with enrolments at 85% of the numbers for the previous year. The programs offered in 2011 were:

- Master of Transport or Logistics Management (8 units)
- Masters of Transport and Logistics Management (12 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)

In addition to the transport and logistics degrees many of our students enrolled in the Logistics and Supply Chain Management major in the Master of Commerce program or in elective units in the Master of International Business.

UNITS OF STUDY

Total enrolments for each unit are shown in brackets. Units with a star (★) received the Dean's Citation for teaching in 2011. This citation is based on positive feedback from the students enrolled in each unit.

- Analysis Tools for Transport and Logistics★ [154]
- Aviation Management and Logistics [49]
- Collecting, Managing and Assessing Data [17]
- Geographical Information Systems [26]
- Innovations in Logistics and Supply Chain [8]
- Intelligent Transport and Logistics Systems [35]
- International Freight Transportation [44]
- International Logistics★ [125]
- Logistics and Supply Chain Management [202]
- Logistics in Humanitarian Aid Projects [24]
- Logistics Systems [33]
- Maritime Logistics [43]
- Organisational Logistics [151]
- Project Management in Supply Chains [26]
- Public Transport Policy Planning [43]
- Railway Planning and Operations [16]
- Research Project [8]
- Retail Logistics Management [39]
- Reverse Logistics and Closed Loop SCM [22]
- Strategic Transport Modelling [14]
- Sustainable Transport and Logistics Systems★ [24]
- Traffic Systems Management and Control [12]
- Transport and Logistics Management [32]
- Transport Modes and Systems [70]
- Transport Policy★ [45]
- Value Chain Management [156]

THE POST GRADUATION WORK EXPERIENCE PROGRAM

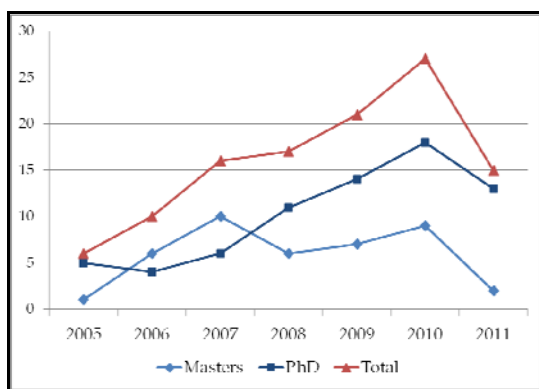
This program offers ITLS-Sydney graduates the opportunity to gain valuable real world experience with our partners in the logistics and transport industry. More than 60% of our graduates have been offered permanent positions on completion of their placements. The success of the program lies in this win-win 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. In 2011 the following organisations provided placements in the program: AWA Ltd, Busways, Cubic Transportation Systems, Dial A Dump Industries, GHD, Kuehne+Nagel, Parsons Brinckerhoff, Shipping Australia Limited, Toll Global Forwarding, and the Transport Workers Union.



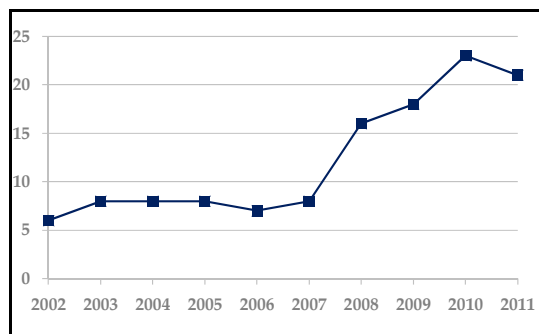
Students at Orientation lunch, Semester 2, 2011

HIGHER DEGREES BY RESEARCH

The Key Centre has the highest number of higher degrees by research enrolments in the transport or logistics field in Australia. In 2011, nine students graduated from the doctoral program and two from the Master of Engineering Science (Research), with 35 continuing enrolments across both programs. Many of our students won highly competitive scholarships from either Monash or Sydney University, from the Australian Research Council or from other government bodies and from industry. Our students come from all over the world to research in a diverse range of transport and logistics areas; details of our students and their research topics are shown below.



Higher degree by research enrolments
ITS-Monash



Higher degree by research enrolments
ITLS-Sydney

DOCTORAL CANDIDATES

Kayvan Aghabayk
Heavy Vehicle Car-Following and Lane-Changing Behaviour on Urban Arterials
Iran Industry Scholarship

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

Farhana Ahmed
Impact of weather on commuter cycling behaviour and possible effects of climate change

Babak Amani
Ownership and usage of powered two-wheeled vehicles
Australian Postgraduate Award Industry,
Australian Research Council

Elizabeth Barber
Strategic issues in supply chain management

Matthew Beck
Development of a behavioural system of stated choice models: Modelling behavioural, pricing and technological opportunities to reduce automobile energy levels
University of Sydney Business School Research Scholarship

Yujie Cai
Supply chain interaction and overlap

Montathip Chanpum
A real time decision making policy for container vessel slot allocation in global empty container repositioning

David Chin
Incorporating stochasticity in prediction of travel time on congested freeways

Demi Chung
Optimising risk sharing: A quantitative study of the multidimensional nature of risk in private provision of road infrastructure
Ronald Henderson Research Foundation,
Accounting and Finance Association of Australia and New Zealand

Andrew Collins
An examination of the role and impact of information search strategies on preference formation
Australian Postgraduate Award, Australian Research Council

Charitha Dias
Crowd dynamics in complex environments under normal and panic conditions

Adrian Ellison
Improving road safety: An analysis of drivers' risk perceptions, personality and actual behaviour



Doctoral candidates at ITS-Monash: L-R: Charitha Dias, Amir Sobhani, Lorelei Schmitt and Kelvin Goh

Richard Ellison

Modelling policy-induced changes in freight vehicle externalities

Kelvin Goh

Exploring the Road Safety Impact of Transit Priority Measures
Singapore Land Transport Authority Scholarship

Chinh Quoc Ho

Interactions among built environment, vehicle ownership and public transport utilisation

Hossein Khakbaz

Inventory Management of Containers at Multiple Planning Levels

Waiyan Leong

Embedding heuristics in choice models

Zheng Li

University of Sydney Business School Research Scholarship

Mike Moffatt

The influence of multiple axle loads on pavement performance

Claudine Moutou

Understanding the consequences of small business reactions to sustainable transport initiatives in local town centres

University of Sydney Business School Research Scholarship

Jeffrey Newton

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

Brendan Pender

Understanding and enhancing proactive planning approaches for the bus bridging problem

Joe Fai Poon

Analysing the effects of travel information on travellers' decision making and learning
Singapore Land Transport Authority

Lorelei Schmitt

Exploring the impact of first impressions on public transport use
Metlink Scholarship

Mike Shackleton

Quality and impact of transportation research

Li Shen

New procedures for mode and purpose imputation in GPS travel traces

Amir Sobhani

Assessing safety performance of intersections using simulation models

Alejandro Tirachini

Optimal pricing strategies of transport externalities, with reference to car use and implications for public transport use

University of Sydney World Scholars Award and National Commission for Scientific and Technological Research, Chile

Roger Toleman

Toll roads and sustainability

Chi-hong Tsai

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

Richard Yeo

Effects of emerging large road freight vehicles on the performance of typical Australian road pavements

Zeyan Zhang

Supply chain disruption costs in the international maritime industry



Doctoral Candidates at ITLS-Sydney

MASTER OF ENGINEERING SCIENCE (RESEARCH) CANDIDATES

Selby Coxon

Design strategies for the amelioration of anti-social behaviour on public transport

Hassan Sabzehali

Development of a framework for environmentally friendly intelligent eco-vehicle

DOCTORAL GRADUATES

Md Aftabuzzaman

Public transport measures for road traffic congestion relief

Jyotirmoyee Bhattacharjya

IT enabled interaction strategies in B2B relationships in value chain networks



L-R: Professor David Hensher, Honorary Professor David Walters, Dr Jyotirmoyee Bhattacharjya, Dr Ada Suk-Fung Ng and Professor Corinne Mulley

Geoffrey Clifton

The role of frequency and connectivity in delivering enhanced bus systems in urban areas: Developing a network of corridor services

Graham Currie

Exploring interdisciplinary approaches to problems in public transport planning

Simon Fifer

Hypothetical bias in stated choice experiments: Is it a problem? And if so, how do we deal with it?

Australian Postgraduate Award Industry,
Australian Research Council

Evan Gwee

Exploring the economic impacts of agglomeration economies in urban rail projects

Singapore Land Transport Authority Scholarship

Victoria Johnson

An exploration of transport to arts and cultural activities and social exclusion

Ehsan Mazloumi

Public transport travel time and its variability

Sara Moridpour

Modelling heavy vehicle lane changing



L-R: Professor Geoff Rose, Dr Sara Moridpour and Dr Majid Sarvi

Nirajan Shiwakoti

Crowd dynamics under emergency conditions: Using non human organisms in the development of a pedestrian crowd model



L-R: Professor Geoff Rose, Dr Nirajan Shiwakoti, Dr Majid Sarvi and Martin Burd

MASTER OF ENGINEERING SCIENCE (RESEARCH) GRADUATES

Paul Hamer

Monitoring the impacts of the Melbourne CBD parking levy

Ali Zavabeti

Development of a new platform to study drivers' behaviour in complex situations using a novel laser technology

PROFESSIONAL DEVELOPMENT

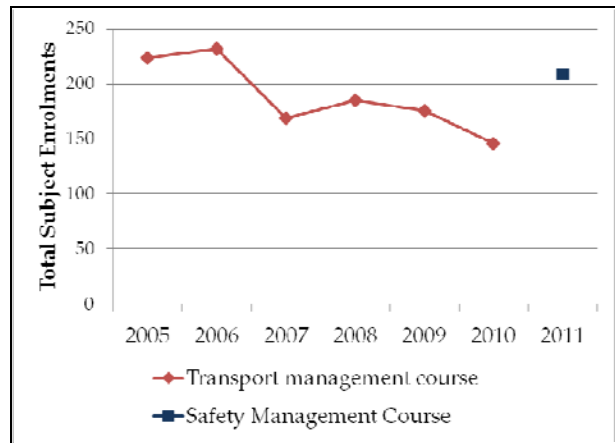
ITS-MONASH

SAFETY MANAGEMENT COURSE IN BUS AND COACH OPERATIONS



Bus and Coach course coordinators L-R: John Clements, Astrid DeAlwis and Bill Kilpatrick

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 recent 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. ITS-Monash was commissioned by the 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 and attracted over 200 enrolments in its first year of delivery. The SMC partially replaces the TMC and enables operators to enter the industry and offer a range of bus services. However, unlike the TMC, the SMC does not include a business management component that enables operators to undertake contractual services. To address this problem, a new TMC for bus operators was designed and will be launched at the beginning of 2012. 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.



Transport Management Course and Safety Management Course enrolments, ITS-Monash

Bill Kilpatrick represented the Safety Management Course during the 2011 Maintenance Conference and Bus Expo at Moonee Valley.

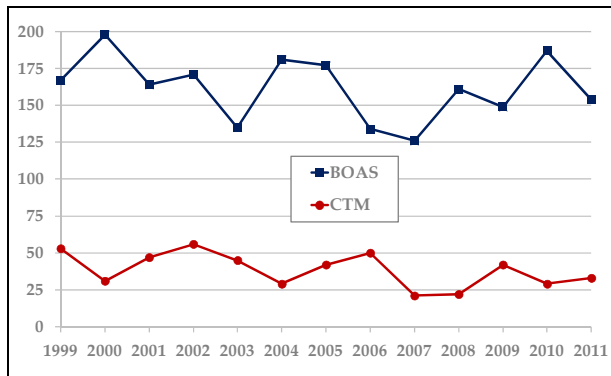


Bill Kilpatrick manning the information booth at the Maintenance Conference and Bus Expo

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 and Wellington, New Zealand in November. Participants come from a variety of professional backgrounds, including public transport operators and state government agencies from throughout Australia and overseas. The courses were presented by Professor Graham Currie and Professor Avi Ceder from the University of Auckland. Topics covered included 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 and Certificate of Transport Management enrolments, ITLS-Sydney

BUS AND COACH OPERATOR ACCREDITATION SCHEME

The Bus and Coach Operator Accreditation Scheme (BOAS) attracted 154 enrolments in 2011, making a total of 777 enrolments since the online course was introduced in 2007 to replace the accreditation requirements under the Certificate of Coach Management. The BOAS online course is approved by Transport for NSW as meeting the accreditation requirement of competency to operate bus and coach services. Under the Passenger Transport Act (1990), operators of bus and coach services must be accredited by the Director General of Transport. One of the accreditation requirements is that applicants must be competent to operate a bus service. To meet the requirement of being competent applicants must pass the BOAS examination. The BOAS course includes four modules: i) Accreditation; ii) Management Information System; iii) Vehicle Maintenance Management System; and iv) Safety Management Systems. The BOAS course is delivered through online learning materials including notes, case studies, online quizzes, and a discussion board.

CERTIFICATE OF TRANSPORT MANAGEMENT

Enrolments on the Certificate of Transport Management (CTM) grew in 2011 following the re-design of the course in 2010 as a face-to-face professional development program, no longer providing accreditation. In 2011, 33 participants from the bus industry and their suppliers (NSW and interstate) and government successfully completed the course. 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.

PUBLIC TRANSPORT SHORT COURSES

In 2011 the Public Transport Unit of ITLS-Sydney ran several one day courses on contemporary issues in public transport for public transport planners and policy makers, operators, suppliers and community organisations and representatives.

Innovations for Public Transport in Low Demand Areas



ITLS-Sydney Visiting Professor John D. Nelson (from the Rural Digital Economy Research Hub and Centre for Transport Studies, University of Aberdeen, United

Kingdom) and Professor Corinne Mulley presented this course on innovations for delivery of public transport in low demand areas, including the role of technology developments, with a focus on buses and community transport. The course provided insights into the role of technology in delivering more efficient services which meet customer, operator and government needs.

Knowing Your Costs in Community Transport

The course was designed to help community transport operators to better understand the costs of providing community transport services and to better understand how to make financial decisions. Knowing their costs helps operators plan for the future. The course benefitted managers and other staff of community transport organisations who make decisions about vehicle purchases, user

donations, and vehicle hire out rates to other organisations. The course was presented by Professor Corinne Mulley and Professor David Hensher with industry input and support from Easy Transport Northern Sydney.

Understanding Bus Network Planning

The aim of this course was to provide a better understanding of the principles of bus network planning, guidelines for planning in NSW, and trade-offs in planning bus networks. The course was presented by Professor Corinne Mulley, Dr Rhonda Daniels, and Clayton Davidson from Busways.



Bus Rapid Transit: State-of-the-art in Performance and Benefits



Bus Rapid Transit (BRT) is delivering high quality public transport efficiently in cities around the world. This course asked how Sydney can benefit from this innovative form of public transport. Professor David Hensher introduced the course showcasing the Volvo Foundation Centre of Excellence for BRT development (of which ITLS-Sydney is a partner) and Visiting Professor John D. Nelson highlighted recent developments in BRT including the state-of-the-art in performance and benefits.

DISCRETE CHOICE ANALYSIS AND CHOICE EXPERIMENT DESIGN



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. These extremely successful courses provide an unintimidating introduction to the main techniques of choice analysis and the design of choice experiments. The courses, which began in 2006, are presented by world experts in the field: Professor David Hensher, Dr John Rose and Associate Professor Michiel Bliemer (Delft University of Technology, The Netherlands). The two week course held in January / February 2011 attracted participants from all over the world from as far afield as South Africa and the United Kingdom. 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

The presentation of awards to outstanding students in our postgraduate programs and in the Safety Management Course for Bus Operators was 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. The awards were sponsored and presented by our partners in industry and government. The following also details awards given in recognition for excellence in achievement amongst Bachelor of Engineering students.

The VicRoads Prize in Transport Engineering

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

Daniel Veryard



Presented by Professor Geoff Rose [L]

ARRB-Monash Prize for Postgraduate Transport Research

For excellence in postgraduate research in transport

Marilyn Johnson



Presented by Gerard Waldron [R], General Manager of ARRB

William Young Alumnus Award

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

Michael Taylor



Presented by Professor William Young [L]

Bus Association of Victoria Award

For the best overall performance in the Transport Management Course in Bus and Coach Operations (bus and coach operations, AO accreditation)

Dionysios Kahrmanis



Presented by Keith Foote [L]

Bus Association of Victoria Award

For the best overall performance in the Transport Management Course in Bus and Coach Operations (charter and tour operations, AC accreditation)

Katrina Petersen



Presented by Keith Foot [R]

The Ventura National Bus Award

Best performance in unit: Marketing, Planning and Operations

Daryl Kirkwood



*Presented by Andrew Cornwall [R],
Managing Director, Ventura*

The Pitcher Partners Award

Best performance in unit: Financial Management

Dionysios Kahrmanis

Grenda Transit Award

Best performance in unit: Human Resource Management

Katrina Petersen

Driver Group P/L Award

Best performance in unit: Introduction to Legislation and Operations

John Grosser

Transport Safety Victoria Small Operator Award

Best performance in unit: Introduction to Legislation and Operations

Colin Hooper



Presented by Stephen Turner [R]

The GHD Highway Design Prize

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

Jarrold Lawson, Amy Dowel, Carly Hunter and Marissa Theodorou

The Richardson Prize in Transport

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

Aydin Molokov

The Traffix Group Prize

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

Michael Crowley and Carly Hunter



Prize winners and prize sponsors following the awards

ITLS-SYDNEY



Forum Restaurant, Darlington Centre

The 2011 Awards Night was held on 7 May in the Forum Restaurant of the Darlington Centre at the University of Sydney. The evening is an opportunity to celebrate the success of the Institute with our staff, students, Board of Advice, industry partners, and the sponsors of prizes. Guests were welcomed by Professor David Hensher and the Master of Ceremonies for the evening was Dr Alastair Stone, Chair of ITLS-Sydney's Board of Advice. Awards were presented by representatives of our sponsors, BusNSW, the Chartered Institute of Logistics and Transport Australia, and the Logistics Association of Australia, and by the Acting Dean of the University of Sydney Business School, Professor Tyrone Carlin.



Professor David Hensher welcomes guests

BusNSW Prize

For best overall performance in the Certificate of Transport Management program

Daniel Moore

Presentation of Certificates of Transport Management



Presented by Matt Threlkeld, Manager, Marketing and Events BusNSW [R] to: L-R: Kevin Fielding Tabatha Keast, Frank Eccles, Charles Tisse, Nitin Samudra, Nutpol Dechchavali, and Philip Sheanoda

The Logistics Association of Australia Prize

For outstanding achievement in the logistics program

Fabia Palmer



Presented by Denis Horder [R], Vice President, Logistics Association of Australia

The Mrs MA Ching Prize

For outstanding achievement in the graduate program in transport or logistics

Michael Storari



Presented by Dr Alastair Stone [R]

The Chartered Institute of Logistics and Transport

Ken Hillyar Award

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

Fangxin Zhou



Presented by Phillip Clarkson [L], Ambassador, Chartered Institute of Logistics and Transport

Sir Hudson Fysh Award

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

Marta Bach



Presented by Phillip Clarkson [L], Ambassador, Chartered Institute of Logistics and Transport

The Institute of Transport and Logistics Studies Prize

For research excellence in transport or logistics

Alejandro Tirachini



Presented by Professor Tyrone Carlin [L], Acting Dean, The University of Sydney Business School

The Institute of Transport and Logistics Studies Prize

For research excellence in transport or logistics

Jyotirmoyee Bhattacharjya



Presented by Professor Tyrone Carlin [L], Acting Dean, The University of Sydney Business School



Prize winners with Professor David Hensher [L]

RESEARCH FUNDING

INTERNATIONAL

Professor Graham Currie
Assistance with AECOM bus priority study
Land Transport New Zealand [2011: \$10,000]

Professor David Hensher and Professor Corinne Mulley
Centre of Excellence in Bus Rapid Transit development
Volvo Research and Education Foundation, Sweden [2010-15: \$300,000]

Professor Peter Stopher
Greater Cincinnati household travel survey
Ohio Department of Transportation, Ohio, United States [2008-11: \$200,378]

Dr Yibing Wang
Real-time monitoring, surveillance and control of road networks under adverse weather conditions
European Commission's Cooperation in Science and Technologies Program [2008-12]

AUSTRALIAN RESEARCH COUNCIL

Professor Graham Currie and Dr Majid Sarvi (with M. Wallace)
Innovative urban traffic congestion solutions: optimising road space using networks of multi-class priority
ARC Discovery Project [2011-2014: \$285,000]

Professor Graham Currie and Dr Majid Sarvi (with N. Hounsell and R. Kinnear)
Optimising the design and implementation of public transport priority initiatives
ARC Industry Linkage Project [2010-12: \$740,000]

Professor David Hensher
Assessment of the commuter's willingness to pay a congestion charge under alternative pricing regimes and revenue disbursement plans
ARC Discovery Project [2011-13: \$426,444]

Professor Geoff Rose (with R. McClure, M. Pierini, J. Earnshaw, P. Daly, R. Griffiths, S. Cockfield and F. Calvert)
A systemic model to underpin enhanced management of powered-two-wheelers as part of a safe, sustainable transport system
ARC Industry Linkage Project [2010-13: \$1,267,900]

Associate Professor John Rose (with K. Howard, S. Jan, A. Cass, S.J. Chadban and R.D. Allen)
Community preferences for organ donation and allocation in Australia
ARC Discovery Project [2009-11: \$240,000]

STATE GOVERNMENT

Professor Graham Currie
Exploring disappearing traffic and the Hoddle Street bus lane
Victorian Department of Transport [2011: \$14,000]

Professor Graham Currie
Feedback on research tools
Victorian Transport Connections [2011: \$21,600]

Professor Graham Currie and Alexa Delbosc
Invicta intermodal project
Victorian Department of Transport and Phillip Boyle Associates [2011: \$55,000]

Professor Graham Currie and Alexa Delbosc
Assessing the accuracy of SmartBus real time passenger information displays
Victorian Department of Transport [2011: \$70,700]

Professor David Hensher and Professor Corinne Mulley
The wider economy impacts and transport planning: a proposal for TRESIS-TREDIS development
Transport for NSW [2011: \$195,000]

Professor David Hensher, Professor Corinne Mulley and Honorary Professor Truong Truong
The role of agglomeration economies in public transport projects
Transport for NSW [2011: \$34,000]

Professor Geoff Rose (with M. Symmons)
EcoDrive field trial
Victorian Department of Transport and South Australian Department of Transport, Energy and Infrastructure [2009-11: \$74,525]

Professor Peter Stopher
Long range monitoring of travel behaviour change – programs for the National Travel Behaviour Change Project
Queensland Transport [2007-2013: \$518,773]

Professor William Young, Astrid DeAlwis and Bill Kilpatrick
Bus and coach risk management
Transport Safety Victoria [2011: \$310,000]

INDUSTRY

Professor David Hensher and Professor Corinne Mulley
Assessing the wider economy and social impacts of high speed rail: A proposal
Australasian Rail Association [2011: \$25,000]

UNIVERSITY

RESEARCH

Professor Graham Currie
Social Research in Transport (SORT) Clearinghouse
Faculty of Engineering, Monash University
[2009-12: \$207,000]

Professor Graham Currie and Alexa Delbosc (with Monash University Accident Research Centre and Department of Criminology)
Managing crime and victimisation on Victoria's public transport
Political and Social Inquiry Research Grant, Monash University [2011: \$8,000]

Associate Professor Stephen Greaves
Estimating energy expenditure of cyclists using GPS devices
University of Sydney Business School Research Grant [2011: \$13,678]

Professor David Hensher, Professor Corinne Mulley and Dr Rhonda Daniels
Will public transport users walk further for a more frequent service? A stated preference investigation
University of Sydney Business School Research Grant [2011: \$15,000]

Honorary Associate Professor Peter Lok and Dr Ada Suk-Fung Ng (with J. Rhodes)
The development of a shared value business model in China – a social entrepreneurship approach to economic and social sustainability
University of Sydney Business School Research Grant [2011: \$10,328]

Professor Corinne Mulley and Dr Rhonda Daniels
Evaluation of bus reform in NSW: the impact of network planning changes
University of Sydney Business School Research Grant [2011: \$15,000]

Dr Yibing Wang
An innovative approach to variable speed limit control on freeways
Faculty of Engineering, Monash University [2011: \$30,000]

STRATEGIC INITIATIVES

Professor Corinne Mulley, Dr Geoffrey Clifton and Dr Rhonda Daniels
Strengthen the public transport research group at the Institute of Transport and Logistics Studies
University of Sydney Business School Strategic Research Initiatives [2011: \$15,000]

Associate Professor John Rose
Journal of Choice Modelling
University of Sydney Business School Academic Journal/Research Group Support [2011: \$10,000]

Professor Peter Stopher, Associate Professor Stephen Greaves, Adrian Ellison, Christine Prasad and Jun Zhang
An Australian-French initiative to improve the processing of GPS travel survey data
University of Sydney Business School Strategic Research Initiatives [2011: \$15,000]

Professor Corinne Mulley, Dr Geoffrey Clifton and Ruth Steel
Building capability and capacity: A model for curricula and co-curricula engagement with the non-government and community sector
University of Sydney Strategic Teaching Enhancement Project [2011-13: \$34,998]

TRAVEL

Dr Geoffrey Clifton
12th International Conference Series on Competition and Ownership in Land Passenger Transport, South Africa, September 2011
University of Sydney Business School Conference Travel Grant [2011: \$2,869]

Dr Rhonda Daniels
World Symposium on Transport and Land Use Research, Canada, July 2011
University of Sydney Business School Conference Travel Grant [2011: \$3,825]

Adrian Ellison
90th Annual Meeting of the Transportation Research Board, United States, January 2011
University of Sydney Business School Conference
Travel Grant [2011: \$1,000]

Richard Ellison
90th Annual Meeting of the Transportation Research Board, United States, January 2011
University of Sydney Business School Conference
Travel Grant [2011: \$1,000]

Honorary Associate Professor Peter Lok
37th European International Business Academy Annual Conference, Romania, December 2011
University of Sydney Business School Conference
Travel Grant [2011: \$3,723]

Professor Corinne Mulley
12th International Conference Series on Competition and Ownership in Land Passenger Transport, South Africa, September 2011
University of Sydney Business School Conference
Travel Grant [2011: \$2,864]

Professor Corinne Mulley
World Symposium on Transport and Land Use Research, China, July 2011
University of Sydney Business School Conference
Travel Grant [2011: \$3,825]

Dr Ada Suk-Fung Ng
9th International Conference of Eastern Asia Society for Transportation Studies, South Korea, June 2011
University of Sydney Business School Conference
Travel Grant [2011: \$2,869]

Adjunct Professor John Stanley
12th International Conference Series on Competition and Ownership in Land Passenger Transport, South Africa, September 2011
University of Sydney Business School Conference
Travel Grant [2011: \$2,869]

Professor Peter Stopher
9th International Conference on Travel Survey Methods, Chile, November 2011
University of Sydney Business School Conference
Travel Grant [2011: \$3,825]

Professor Peter Stopher
90th Annual Meeting of the Transportation Research Board, United States, January 2011
University of Sydney Business School Conference
Travel Grant [2011: \$3,825]

PUBLIC LECTURE SERIES

ITS-MONASH

ANNUAL OGDEN TRANSPORT LECTURE

Retrofitting suburbia: Urban design solutions for redesigning suburbia



L-R: Professor Geoff Rose, Professor Ellen Dunham-Jones and Professor Edwina Cornish (Deputy Vice Chancellor Research), 2011 Odgen Transport Lecture

The Annual Ogden Transport Lecture is a 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 2011 Ogden Transport Lecture was delivered on 16 August by **Professor Ellen Dunham-Jones**, Professor of Architecture at the Georgia Institute of Technology and a leading authority on suburban redevelopment. The lecture put the spotlight on suburbia. Based on a vision that saw people living in the country while working in the city, the modern suburb was conceived in the United Kingdom, but reached maturity in the US and Australia. As the car became the preferred mode of transport the imagined 'garden suburbs' turned into sprawling 'suburbia'. Today, with populations growing, technology changing and economies shifting, suburbia is being redesigned and redeveloped. Professor Dunham-Jones' examined how existing suburbs in the US are being reshaped. Cases of dying shopping malls being reborn as higher density mixed use developments reflected increased interest in the convenience afforded by what is traditionally an inner city lifestyle. Drawing insight from her research, Professor Dunham-Jones discussed the ways American suburbs have absorbed new growth, enhanced the sustainability of transport and the built environment, and evolved to respond to changed demographic, technological, and economic conditions.



Professor Ellen Dunham-Jones describes the changing nature of suburban America

TRANSPORTATION RESEARCH WORKSHOP SEMINAR SERIES

15 March 2011

CUBE transport modelling software

Andreas Koeglmaier, Senior Transport Modeller, AECOM

17 May 2011

BRT Systems in Colombia and strategies to measure inequity issues

Dr Juan Pablo Bocarejo, Universidad de Los Andes, Bogota, Colombia

20 May 2011

Transport for the largest events in human history – planning for Hajj / Umrah using lessons from the Olympic Games

Professor Graham Currie, ITS-Monash



10 June 2011

Transport and the digital economy

Professor John D. Nelson, Rural Digital Economy Research Hub and Centre for Transport Studies, University of Aberdeen, United Kingdom



There's more to buses than we thought

Dr Robbie Napper, Department of Design, Faculty of Art, Design and Architecture, Monash University

15 August 2011

The multi modal mobility integrated pricing solution

Dr Jean-Luc Ygnace, French Institute of Science and Technology for Transport, Development and Networks, Lyon, France

19 August 2011

Crowd modelling and simulation: focus on new multidisciplinary needs and challenges

Professor Stefania Bandini, Director, Complex Systems and Artificial Intelligence Centre, University of Milano-Bicocca, Italy

30 August 2011

Research interests of the transportation staff at the South East University

Professor Shuyan Chen, South East University, China

23 September 2011

Rowville rail feasibility study

William McDougall, Principal Transport Planner, Sinclair Knight Merz

7 October 2011

Skybus – why Melbourne doesn't need an airport train

Simon Cowan, Managing Director, Skybus

28 October 2011

Rolling stock maintenance optimisation

Andi Hucker and Rob Tatton-Jones, Associate Directors, AECOM



1 December 2011

Safer urban motorcycling: Insight from the European eSum project

Professor Marco Pierini, University of Florence, Italy

Professor Geoff Rose [L] presents a gift to Professor Marco Pierini

9 December 2011

Shaping the maze – An industrial design perspective on rail carriage interiors to improve ingress / egress, passenger dispersal and dwell time stability

Selby Coxon, Acting Head of Design, Department of Design, Faculty of Art, Design and Architecture, Monash University

INTERNATIONAL VISITORS

ITS-Monash also welcomed Assistant Professor Nicholas E. Lownes from the University of Connecticut, United States and undergraduate student Paul Neetzow from the University of Applied Sciences Bremen, Germany.

ITLS-SYDNEY

POWERED BY RESEARCH

Urban transport: A little less conversation, a little more action



Professor David Hensher discusses transport priorities for NSW

More than 150 people attended the Powered by Research Breakfast hosted by The University of Sydney Business School and held at Cockle Bay Wharf. For the recently elected NSW government, urban transport is a priority challenge. At the breakfast forum ITLS-Sydney Director, Professor David Hensher, presented his research on whether an increase in funding for public transport is the best way to see a significant improvement to traffic congestion. Professor Hensher noted that over 80% of trips in Sydney are currently made in motor vehicles and questioned whether significant modal changes will be achieved unless the government addresses pricing the use of cars to reflect the cost they're imposing through congestion. Professor Hensher emphasised the need for a commitment to networks and systems, the state of public transport, funding sources including special funding instruments, and the User Pays system. Professor Hensher's address was followed by a lively panel discussion with Paul Forward, Principal of Evans and Peck (former CEO of the NSW Roads and Traffic Authority), and Andrew West, Senior Journalist at the Sydney Morning Herald. The panel was chaired by Helen Dalley, best known as the presenter of the Today Show and A Current Affair on the Nine network, and now the host of Sky News Sunday Business.



The Panel, L-R: Helen Dalley (Chair), Professor David Hensher, Andrew West, and Paul Forward

LEADERSHIP AND POLICY SEMINAR SERIES



8 February 2011
Evaluating the cost of public private partnerships in transport

Professor Jean Shaoul,
 Professor of Public

Accountability, Manchester Business School, The University of Manchester, United Kingdom

22 February 2011
Personal rapid transit via magnetic levitation
 Trond Andresen, Department of Engineering Cybernetics, The Norwegian University of Science and Technology; ARC Centre of Excellence for Complex Dynamic Systems and Control, University of Newcastle, Australia

11 March 2011
Mobility, sustainability and quality of life
 Enrique Peñalosa, Former Mayor, Bogota, Colombia; President, Institute for Transportation and Development Policy, New York



22 March 2011
Continual integration - the challenge of the 21st century

Jeremy Goff, Chief Executive Officer;

Western Sydney Regional Organisation of Councils

5 April 2011
What could have been: Lessons from four years as Transport Minister in NSW
 The Honourable John Watkins, Former NSW Minister for Transport and Deputy Premier (2005-2008)



19 April 2011
Best practice performance and integrated supply chain partnerships as a basis for global competition
 Logistics Association of Australia and ITLS-Sydney Seminar

Professor Graeme Sheather, Guest Lecturer ITLS-Sydney; Visiting Professor, University of Technology Sydney

24 May 2011
Retailers, signals, tolls - Modelling the response of service providers in an agent-based framework
 Professor Kay W. Axhausen, Institute for Transport Planning and Systems, Switzerland

7 June 2011
Transport and the digital economy
 Professor John D. Nelson, Visiting Professor, ITLS-Sydney; Centre for Transport Research and Rural Digital Economy Research Hub, University of Aberdeen, United Kingdom

21 June 2011
Competing in niche markets: Management and policy issues of Public Service Obligation air services



Dr Rico Merkert,
 Visiting Scholar, ITLS-Sydney; Lecturer in Air Transport Economics, Cranfield University, United Kingdom



9 August 2011
Multiple criteria decision making / aiding in transportation and logistics

Logistics Association of Australia and ITLS-Sydney Seminar

Professor Jacek Zak, Associate Professor and Head of the Department of Logistics at Poznan University of Technology in Poland

23 August 2011
Multi-modal challenges in smart payment systems used in transport
 Tanya Mercer, Business Development Manager; Cubic Transportation Systems

4 October 2011
Integrating land use with public transport: the use of a discursive accessibility tool to inform metropolitan spatial planning
 Professor Carey Curtis, Department of Urban and Regional Planning, Curtin University, Western Australia





18 October 2011
***The Sydney Cycleways
Project***
Fiona Campbell,
Manager Cycling
Strategy, The City of
Sydney

25 October 2011
***Economic appraisal of active transport
infrastructure***

Rob Tyson, Manager, Economics and Policy,
PricewaterhouseCoopers Australia



8 November 2011
***Changing centres of gravity in global
supply chains***

*Logistics Association of Australia and
ITLS-Sydney Seminar*

Professor Martin Christopher,
Visiting Professor, ITLS-Sydney; Emeritus
Professor of Marketing and Logistics, Cranfield
School of Management

29 November 2011
Supply chain integration

Dr Paul Childerhouse, Associate Professor in
Management Systems; Waikato University, New
Zealand

INTERNATIONAL VISITORS

ITLS-Sydney also welcomed Professor Mauro Caetano from the Federal University of Goiás in Brazil, Dr Stephane Hess (ITLS-Sydney Honorary Professor) from the Institute of Transport Studies at the University of Leeds in the United Kingdom, and Glen Weisbrod from the Economic Development Research Group in Boston, United States, as well as visiting researchers from China, France and Poland.

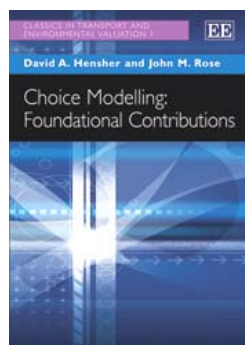
PUBLICATIONS

BOOKS



Currie, G. ed. (2011) *New Perspectives and Methods in Transport and Social Exclusion Research*, Emerald, Bingley, United Kingdom.

Hensher, D. A. and Rose, J. M. (2011) *Choice Modelling: Foundational Contributions*, Edward Elgar Publishers, Cheltenham, United Kingdom.



Taniguchi, E. and **Thompson, R. G.** ed. (2011) *City Logistics VII Proceedings*, 7th International Conference on City Logistics, Mallorca, 7 - 9 June, 2011, Institute for City Logistics.

BOOK CHAPTERS

Currie, G. (2011) 'Introduction', in *New Perspectives and Methods in Transport and Social Exclusion Research*, ed. G. Currie, Emerald, Bingley, United Kingdom, pp. 3-14.

Currie, G. (2011) 'Conclusions', in *New Perspectives and Methods in Transport and Social Exclusion Research*, ed. G. Currie, Emerald, Bingley, United Kingdom, pp. 297-306.

Currie, G. and Delbosc, A. (2011) 'Mobility vs. Affordability as Motivations for Car-Ownership Choice in Urban Fringe, Low-Income Australia' in *Auto Motives: Understanding Car Use Behaviours*, eds. K. Lucas, E. Blumenberg and R. Weinburger, Emerald, Bingley, United Kingdom, pp. 192-208.

Currie, G. and Delbosc, A. (2011) 'Transport disadvantage: a review', in *New Perspectives and Methods in Transport and Social Exclusion Research*, ed. G. Currie, Emerald, Bingley, United Kingdom, pp. 15-26.

Currie, G. and Delbosc, A. (2011) 'Study approach overview', in *New Perspectives and Methods in Transport and Social Exclusion Research*, ed. G. Currie, Emerald, Bingley, United Kingdom, pp. 63-76.

Currie, G. and Delbosc, A. (2011) 'Exploring transport issues', in *New Perspectives and Methods in Transport and Social Exclusion Research*, ed. G. Currie, Emerald, Bingley, United Kingdom, pp. 111-24.

Currie, G. and Delbosc, A. (2011) 'Field Survey Sampling Results', in *New Perspectives and Methods in Transport and Social Exclusion Research*, ed. G. Currie, Emerald, Bingley, United Kingdom, pp.125-32.

Currie, G. and Delbosc, A. (2011) 'Field Survey Results', in *New Perspectives and Methods in Transport and Social Exclusion Research*, ed. G. Currie, Emerald, Bingley, United Kingdom, pp. 133-56.

Delbosc, A. and Currie, G. (2011) 'Piecing it together: a structural equation model of transport, social exclusion and well-being', in *New Perspectives and Methods in Transport and Social Exclusion Research*, ed. G. Currie, Emerald, Bingley, United Kingdom, pp. 157-68.

Delbosc, A. and Currie, G. (2011) 'Taking it apart: disaggregate modelling of transport, social exclusion and well-being', in *New Perspectives and Methods in Transport and Social Exclusion Research*, ed. G. Currie, Emerald, Bingley, United Kingdom, pp. 169-86.

Hensher, D. A. (2011) 'Valuation of Travel Time Savings' in *Handbook in Transport Economics*, ed. A. de Palma, R. Lindsey, E. Quinet and R. Vickerman, Edward Elgar Publisher, London, United Kingdom, pp. 135-59.

Hensher, D. A. and Chung, D. (2011) 'Road Infrastructure and Institutional Reform - Tolling and Pricing' in *International Handbook of Network*

Industries: The Liberalization of Infrastructure, ed. M. Finger and R. Künneke, Edward Elgar Publishing, Cheltenham, United Kingdom, pp. 252-68.

Hensher, D. A. and Rose, J. M. (2011) 'Introduction' in *Choice Modelling: Foundational Contributions*, ed. D.A. Hensher and J.M. Rose, Edward Elgar Publishers, Cheltenham, United Kingdom, pp. xiii-xviii.

Morales, G., Nemer, N. and **Bhattacharjya, J.** (2011) 'The Impact of Twitter on Customer Relationship Management within Mexican Value Chains' in *Pre-Proceedings Volume 2 - 1st International Conference on Value Chain Management Steyr 2011 - Modelling Value*, ed. H. Jodlbauer, J. Olhager and R.J. Schonberger, Shaker Verlag, Aachen, Germany, pp. 219-39.

Papageorgiou, M., Papamichail, I., Messmer, A. and **Wang, Y.** (2010) 'Traffic Simulation with MATANET. In Fundamentals of Traffic Simulation', in *International Series in Operation Research and Management Science*, ed. J. Barcelo, Springer, vol. 145, pp. 399-430.

Rose, J. M., Bain, S. and Bliemer, M. C.J (2011) 'Experimental design strategies for stated preference studies dealing with non-market goods' in *The International Handbook on Non-Market Environmental Valuation*, ed. J. Bennett, Edward Elgar, Cheltenham, United Kingdom, pp. 273-99.

Shiwakoti, N., Sarvi, M., Rose, G., Burd, M. (2011) 'Animal dynamics based approach for modelling pedestrian crowd egress under panic conditions', in *Transportation and Traffic Theory*, eds. M.J. Cassidy and A. Skabardonis, Elsevier, vol. 17, pp. 438-61.

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Masiero, L. and **Hensher, D. A.** (2011) 'Freight transport distance and weight as utility conditioning effects on a stated choice experiment', *Proceedings of the 2nd International Choice Modelling Conference ICMC 2011*, University of Leeds, United Kingdom, 4 - 6 July.

Mazloumi, E., Currie, G., Rose, G., Ceder, A. and Moridpour, S. (2011) 'A Practical Tool to Optimise Transit Schedule Timing Points and Slack Times: An Ant Algorithm Application', *90th Annual Meeting of the Transport Research Board*, Washington D.C., United States, 23 - 27 January.

Mesbah, M. and **Currie, G.** (2011) 'Exploring Transit Operations Performance at a Network Level Using AVM and New GIS Visualisation Methods', *90th Annual Meeting of the Transport Research Board*, Washington D.C., United States, 23 - 27 January.

Mesbah, M. and **Thompson, R. G.** (2011) 'Optimal Design of Bike Lane Facilities in an Urban Network', *Proceedings of the 34th Australasian Transport Research Forum*, Adelaide, Australia, 28 - 30 September.

Moutou, C. (2011) 'Changing 'motility' to town centres: an interdisciplinary approach to

understand business owner responses', *Traffic Transport and Mobility Association (T2M) International Summer School*, Berlin, Germany, 30 September - 6 October.

Moutou, C. (2011) 'Changing 'motility' in town centres', *9th International Conference of the Traffic Transport and Mobility Association (T2M)*, Berlin, Germany, 6 - 9 October.

Moutou, C., Greaves, S. P., Puckett, S. M. and Mulley, C. (2011) 'Responses to sustainable transport initiatives: a survey of small business owners', *9th International Conference on Transport Survey Methods 2011 - "Scoping the future while staying on track"*, Termas de Puyehue, Chile, 14 - 18 November.

Mulley, C. and Du, H. (2011) 'Understanding spatial variations in the impact of accessibility on land value using geographically weighted regression', *World Symposium on Transport and Land Use Research WSTLUR 2011*, Whistler, Canada, 28 - 30 July.

Mulley, C. and Hensher, D. A. (2011) 'Towards a simplified payment formula as a reference point for bus contract negotiation or assessment', *Thredbo 12: International Conference Series on Competition and Ownership in Land Passenger Transport 2011*, Durban, South Africa, 11 - 15 September.

Mulley, C. and Nelson, J. (2011) 'Evaluation of the impact of the application of new technology on public transport service provision', *Thredbo 12: International Conference Series on Competition and Ownership in Land Passenger Transport 2011*, Durban, South Africa, 11 - 15 September.

Ng, A. (2011) 'A Maritime Security Framework for Fighting Piracy', *Proceedings of the 9th International Conference of Eastern Asia Society for Transportation Studies EASTS 2011- "Green Growth and Transport"*, Jeju, Korea, (South) Republic of, 19 - 23 June.

Pender, B. and Currie, G. (2011) 'Understanding How Rail Turnouts Impact Bus Bridging Outcomes', *Proceedings of the 34th Australasian Transport Research Forum*, Adelaide, Australia, 28 - 30 September.

Poon, J. F. and Stopher, P. R. (2011) 'Investigating the Effects of Different Types of Travel Information on Traveller's Learning in a Public Transport Setting Using an Experimental Approach',

- Proceedings of the 34th Australasian Transport Research Forum ATRF 2011, Adelaide, Australia, 28 - 30 September.*
- Puckett, S. M.** and Rasciute, S. (2011) 'Discrete-Choice-Based Dynamic Model Averaging: An Application to Inflation Forecasting', *2nd International Choice Modelling Conference ICMC 2011, University of Leeds, United Kingdom, 4 - 6 July.*
- Rezaei, A., **Puckett, S. M.** and Nassiri, H. (2011) 'Heterogeneity in Air Travel Itinerary Preferences in a Low-Frequency Market', *90th Annual Meeting of the Transportation Research Board TRB 2011, Washington D.C., United States, 23 - 27 January.*
- Rhodes, J., **Lok, P.** and **Walters, D.** (2011) 'The Success of Strategic Alliance Networks in the Post Global Financial Crisis Environment', *Proceedings of the Global Management Conference 2011 - "Globalization, Sustainability and Development", Budapest, Hungary, 4 - 7 May.*
- Rose, G.** (2011) 'Nurturing student learning in transport planning and policy through assessable on-line discussions', *90th Annual Meeting of the Transport Research Board, Washington D.C., United States, 23 - 27 January.*
- Rose, G., Ahmed, F.,** Figliozzi, M. and Jacob, C. (2011) 'Quantifying and comparing the effects of weather on bicycle demand in Melbourne (Australia) and Portland (United States)', *90th Annual Meeting of the Transport Research Board, Washington D.C., United States, 23 - 27 January.*
- Rose, G.** and Dill, J. (2011) 'Reactions and concerns with E-bikes in the United States: Insight from an exploratory, blogological study', *90th Annual Meeting of the Transport Research Board, Washington D.C., United States, 23 - 27 January.*
- Rose, J. M.** and **Clifton, G.** (2011) 'Sensitivity testing of inputs into the Mohring Model: How sensitive are patronage and value of resources consumed estimates for Enhanced Bus Services to changes to parameter inputs?', *Thredbo 12: International Conference Series on Competition and Ownership in Land Passenger Transport, Durban, South Africa, 11 - 15 September.*
- Rose, J. M., Hess, S., Bliemer, M. C.J** and Daly, A. (2011) 'Impact of Varying Number of Repeated Choice Observations on Mixed Multinomial Logit Model', *90th Annual Meeting of the Transportation Research Board TRB 2011, Washington, D.C., United States, 23 - 27 January.*
- Rose, J. M., Hess, S.** and **Collins, A.** (2011) 'Impact of Violations of Model Assumptions: Role of Lexicography, Inconsistent Choices, and Changing Preferences in Model Estimation', *90th Annual Meeting of the Transportation Research Board TRB 2011, Washington, D.C., United States, 23 - 27 January.*
- Schaafsma, M., Brouwer, R. and **Rose, J. M.** (2011) 'Directional heterogeneity in WTP-space models for environmental valuation', *18th Annual Conference of the European Association of Environmental and Resource Economists EAERE 2011, Rome, Italy, 29 June - 2 July.*
- Shiwakoti, N. Sarvi, M.** and **Rose, G.** (2011) 'Exploration of design solutions for the enhancement of crowd safety', *Proceedings of the 34th Australasian Transport Research Forum, Adelaide, Australia, 28 - 30 September.*
- Shiwakoti, N., Sarvi, M., Rose, G.** and Burd, M. (2011) 'Consequence of turning movements in pedestrian crowd during emergency egress', *90th Annual Meeting of the Transport Research Board, Washington D.C., United States, 23 - 27 January.*
- Sobhani, A., Young, W.** and Logan, D. (2011) 'Exploring the relationship of conflict characteristics and consequent crash severity,' *Proceedings of the 34th Australasian Transport Research Forum, Adelaide, Australia, 28 - 30 September.*
- Sobhani, A., Young, W.** and **Sarvi, M.** (2011) 'A simulation based approach to assess the safety performance of road locations,' *3rd International Conference on Road Safety and Simulation, Indianapolis, United States, 14 - 16 September.*
- Stanley, J.** (2011) 'The Value of Melbourne's Route Bus Services', *Thredbo 12: International Conference Series on Competition and Ownership in Land Passenger Transport, Durban, South Africa, 11 - 15 September.*
- Stopher, P. R.,** Armoogum, J., Madre, J.-L., Bonnell, P. and Zhang, Y. (2011) 'Harmonisation in National Travel Surveys', *9th International Conference on Transport Survey Methods 2011 - "Scoping the future while staying on track", Termas de Puyehue, Chile, 14 - 18 November.*

Stopher, P. R., Prasad, C., Wargelin, L. and Minser, J. (2011) 'Conducting a GPS-Only Household Travel Survey', *9th International Conference on Transport Survey Methods 2011 - "Scoping the future while staying on track"*, Termas de Puyehue, Chile, 14 - 18 November.

Stopher, P. R. and Shen, L. (2011) 'In-Depth Comparison of GPS and Diary Records', *Proceedings of the 90th Annual Meeting of the Transportation Research Board TRB 2011*, Washington, D.C., United States, 23 - 27 January.

Stopher, P. R. and Speisser, N. (2011) 'Evaluation of GPS Device Properties for a Possible Use in Future Household Travel Surveys', *Proceedings of the 90th Annual Meeting of the Transportation Research Board TRB 2011*, Washington, D.C., United States, 23 - 27 January.

Stopher, P. R. and Zhang, Y. (2011) 'Repetitiveness of Daily Travel', *Proceedings of the 90th Annual Meeting of the Transportation Research Board TRB 2011*, Washington, D.C., United States, 23 - 27 January.

Stopher, P. R. and Zhang, Y. (2011) 'Travel Time Expenditures and Travel Time Budgets - Preliminary Findings', *Proceedings of the 90th Annual Meeting of the Transportation Research Board TRB 2011*, Washington, D.C., United States, 23 - 27 January.

Stopher, P. R., Zhang, Y., Armoogum, J. and Madre, J.-Y. (2011) 'National Household Travel Surveys: The Case for Australia', *Proceedings of the 34th Australasian Transport Research Forum ATRF 2011*, Adelaide, Australia, 28 - 30 September.

Stopher, P. R., Zhang, J. and Prasad, C. (2011) 'Evaluating and Improving Software for Identifying Trips, Occupancy, Mode and Purpose from GPS Traces', *9th International Conference on Transport Survey Methods 2011 - "Scoping the future while staying on track"*, Termas de Puyehue, Chile, 14 - 18 November.

Symmons, M., **Rose, G.,** Rorke, J., Watkins, C. (2011) 'EcoDriving: Insight from a real world fleet-based trial', *Proceedings of the 34th Australasian Transport Research Forum*, Adelaide, Australia, 28 - 30 September.

Taniguchi, E., **Thompson, R. G.** and Yamada, T. (2011) 'Emerging Techniques for Enhancing the Practical Application of City Logistics Models,' *Proceedings 7th International Conference on City Logistics*, Mallorca, Spain, 7 - 9 June.

Thompson, R. G. and Hassall, K. (2011) 'A Collaborative Urban Distribution Network,' *Proceedings 7th International Conference on City Logistics*, Mallorca, Spain, 7 - 9 June.

Thompson, R. G. and Kayak, H. (2011) 'Estimating Personal Physical Activity from Transport', *Proceedings of the 34th Australasian Transport Research Forum*, Adelaide, Australia, 28 - 30 September.

Thompson, R. G., Taniguchi, E. and Yamada, T. (2011) 'Estimating the benefits of considering travel time variability in urban distribution', *90th Annual Meeting of the Transport Research Board*, Washington D.C., United States, 23 - 27 January.

Tsai, C.-H. (2011) 'Understanding the dynamics of travel behavioural changes from pseudo panels: evidence from Sydney Household Travel Survey data', *Proceedings of the 6th Kuhmo Nectar Conference on Transportation Economics*, Stockholm, Sweden, 30 June - 1 July.

Walters, D. (2011) 'Competition, Collaboration, And Creating Value in the Value Chain (Keynote speech)', *Value Chain Management Conference*, Steyr, Austria, 4 - 5 May.

Wang, G., **Thompson, R. G.** and Tang, K. (2011) 'Construction quality management- Case study of the Shanghai Pudong international airport terminal II Expansion Construction Project,' *Sixth International Conference on Construction in the 21st Century*, Kuala Lumpur, Malaysia, 5 - 7 July.

OTHER

Stanley, J. and Barrett, S. (2011) 'Moving People - Solutions for a growing Australia', Australasian Railway Association (ARA), Bus Industry Confederation (BIC) and International Transport Association (UITP), Australia.

WORKING PAPERS

Embedding risk attitudes in a scheduling model: Application to the study of commuting departure time.

Zheng Li, Alejandro Tirachini and David Hensher

A correction framework for improving the robustness of motor vehicle registration data.

John Apelbaum

No car lanes or bus lanes: which gives public transport the better priority? An evaluation of priority lanes in Tyne and Wear.

Corinne Mulley

Travel time expenditures and travel time budgets - Preliminary findings

Peter Stopher and Yun Zhang

Analysing speeding behaviour: A multilevel modelling approach.

Russell Familiar, Stephen Greaves and Adrian Ellison

Travel time competitiveness of cycling in Sydney.

Richard Ellison and Stephen Greaves

Consistently inconsistent: The role of certainty, acceptability and scale in automobile choice.

Matthew Beck, John Rose and David Hensher

Evaluation of GPS device properties for a possible use in future household travel surveys.

Peter Stopher and Nicolas Speisser

A proposal for accessibility planning in NSW: Research and policy issues.

Rhonda Daniels and Corinne Mulley

Towards a simplified payment formula as a reference point for bus contract negotiation or assessment.

David Hensher, Corinne Mulley and Neil Smith

The impact of environmental attitudes on responses to emissions charging and vehicle choice.

Matthew Beck, John Rose and David Hensher

The logistics implications of emerging business models.

David Walters

Does the choice model method and/or the data matter?

David Hensher, John Rose and Zheng Li

Networks alliances as strategy: A case study of an SME in an emerging economy.

Peter Lok, Jo Rhodes and David Walters

The importance of completeness and clarity in air transport contracts in remote regions in Europe and Australia.

Rico Merkert and David Hensher

Environmental and social taxes: Reforming road pricing in Australia.

John Stanley and David Hensher

Analysis of a financial incentive to encourage safer driving practices.

Stephen Greaves and Simon Fifer

A comparison of algorithms for generating efficient choice experiments.

Wu Quan, John Rose, Andrew Collins and Michiel Bliemer

Understanding mode choice decisions: A study of Australian freight shippers.

Mary Brooks, Sean Puckett, David Hensher and Adrian Sammons

A maritime security framework for fighting piracy.

Ada Suk-Fung Ng

Improved information for better land transport in our cities.

John Stanley

Random regret minimization or random utility maximization: An exploratory analysis in the context of automobile fuel choice.

David Hensher, William Greene and Caspar Chorus

The impact of discontinuity in governance: How transport planning went off the rails in Sydney.

Rhonda Daniels

The spatial distribution of parking policy and usage: A case study of Melbourne, Australia.

William Young and Clare Ferres Miles

Systems Economics: Essay 1 - Definition of the economic product.

Alastair Stone

PROFESSIONAL HONOURS and ENGAGEMENTS

FELLOWS

John Clements

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

Professor Corinne Mulley

Chartered Institute of Logistics and Transport,
Australia

Professor Peter Stopher

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

Professor William Young

Chartered Institute of Logistics and Transport,
United Kingdom; Institute of Transportation
Engineers, Australia and NZ; Institution of
Engineers, United States

VISITING APPOINTMENTS

Associate Professor Stephen Greaves

Universite Paris-Est, Paris, France

Professor David Hensher

Department of Transport Engineering and
Logistics, Pontifica 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, United Kingdom

Dr Sean Puckett

Centre for Research of Institutional Economics,
Roma Tre University, Italy

Associate Professor John Rose

Institute of Transport Studies, Faculty of
Environment, University of Leeds, United
Kingdom

Professor Peter Stopher

Honorary Professor, Beijing Transportation
Research Centre, China

Honorary Professor David Walters

Hong Kong Polytechnic University

EDITORIAL POSITIONS

Professor Graham Currie

Editorial Board: Road and Transport Research
Journal

Professor David Hensher

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

Area Editor: Transport Reviews

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

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

Claudine Moutou

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

Professor Corinne Mulley

Editor: Bus Buzz, ITLS-Sydney Quarterly
Newsletter

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

Dr Sean Puckett

Editor: Book Series of Empirical Workshops of the
Centre for Research of Institutional Economics,
Italy, Journal of Logistics and Sustainable
Transport

Professor Geoff Rose

Editorial Board: IET Intelligent Transportation Systems

Associate Professor John Rose

Co-Chief Founding Editor: Journal of Choice Modelling

Editor: Transportation

Dr Majid Sarvi

Editorial Board: Transportation Letters: The International Journal of Transportation Research, Journal of Intelligent Transportation Systems, Journal of Advanced Transportation

Professor Peter Stopher

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

Dr Yibing Wang

Associate Editor: Intelligent Transportation Systems Society (IEEE) Transactions

Book Review Editor: Transportation Research Part C: Emerging Technologies

Guest Editor: Special Issue on Vehicular Ad Hoc Networks for Intelligent Transportation Systems Society (IEEE) Transactions

Editorial Board: International Journal of Vehicle Information and Communication Systems, The Open Transportation Journal

Professor William Young

Editorial Advisory Board: Institution of Civil Engineers

CONFERENCE COMMITTEES

Dr Rhonda Daniels

34th Australasian Transport Research Forum, 10,000 Friends of Greater Sydney Vision Workshop

Associate Professor Stephen Greaves

Australasian Transport Research Forum, Conference of the Australasian Institutes of Transport Research

Professor David Hensher

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

Professor Corinne Mulley

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

Associate Professor John Rose

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

Professor Geoff Rose

Australasian Transport Research Forum; International Travel Survey Methods Conference

Professor Peter Stopher

Travel Demand Management Conferences

Dr Russell Thompson

7th International Conference on City Logistics

PROFESSIONAL COMMITTEES, SYMPOSIA and WORKSHOPS

John Clements

Passenger Transport Group Committee

Professor Graham Currie

Academic Network, International Association of Transport (UITP); United States Transportation Research Board Committees: Light Rail Transit (AP075) (Vice Chair), Bus Transit Systems (AP050), Public Transportation Planning and Development (AP025); Transport and Social Inclusion Committee; Victorian Roads Based Public Transport Advisory Council

Dr Rhonda Daniels

NSW Premier's Council for Active Living, Workplace Travel Planning Group; Active Transport Workshop, Major Cities Unit, NSW Department of Infrastructure and Transport; Urban Researchers Workshop, National Urban Policy, Major Cities Unit, Department of Infrastructure and Transport, Australia

Associate Professor Stephen Greaves

United States Transportation Research Board Committee: Transportation and Air Quality (ADC20)

Professor David Hensher

Board of Advice, Institute of Transport and Logistics Studies (Africa), University of Johannesburg, South Africa; Workshop Chair, Forecast Methods, Bureau of Infrastructure, Transport and Regional Economics' Patronage Forecasting Symposium; Public Transport Panel, Infrastructure Australia; Transport Specialists Advisory Group, NSW Long Term Transport Master Plan, Transport for NSW; Chair, Public Transport Stream, Transport Australia Summit

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

Claudine Moutou

Newtown Precinct Business Association, Australia

Dr Ada Suk-Fung Ng

National Committee on Transport Engineering and Sydney Transport Panel, Engineers Australia

Dr Robert Ogulin

Academic Advisory Board, Logistics Association of Australia

Professor Geoff Rose

Review Panel, National ITS Awards, ITS Australia; United States Transportation Research Board Committee: Transportation Demand Management (ABE50), Emerging Technologies and Vehicles (ANF20(4))

Associate Professor John Rose

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

Dr Majid Sarvi

United States Transportation Research Board Committees: Traffic Flow Theory and Characteristics (AHB45), Vehicle User Characteristics (AND10)

Chris Skinner

National Committee on Transport Engineering, Engineers Australia; Intelligent Transport Systems Technical Committee (TC204), International Organisation for Standardisation; Transport Information and Control Systems Committee (IT-023), Standards Australia

Adjunct Professor John Stanley

Alpine Resorts Co-ordinating Council and VicUrban Board, Victorian Government, Australia

Professor Peter Stopher

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

Professor William Young

United States Transportation Research Board Committee: Transportation Network Modeling (ADB30); Parking Facilities (CE-001), Standards Australia

Honorary Professor David Walters

Program Committee, International Symposium on Supply Chain Management, Purchasing Management Association of Canada; Program Committee, Value Chain Management Conference, Upper Austria University of Applied Sciences

Dr Yibing Wang

Network of Excellence for Advanced Road Cooperative Traffic Management in the Information Society; Technical Committee, Transportation Systems (7.4), International Federation of Automatic Control

INDEPENDENT EXPERTISE

CONSULTANCY

Professor David Hensher

Demand Modelling, Sydney Transport Sector Study, NSW Government; Passenger Transport Reform, Land Transport New Zealand, New Zealand; Toll Road Infrastructure Projects, Macquarie Bank, Australia

Honorary Professor Peter Lok

Baodao Optical Group, China

Associate Professor John Rose

Macquarie Bank, John Holland, Thiess, Cegidem (formally Decision Research Asia)

Adjunct Professor John Stanley

COAG Reform Council, Australia

PEER REVIEW and EXPERT EVALUATION of PROJECTS

Professor Graham Currie

Australian Research Council; Canadian Social Sciences Research Council; Kazakhstan National Center of Science and Technology Evaluation; New Zealand Land Transport Agency Research Programs (TAR 08/1, 10/02, 09/17); Romanian Science Foundation

Dr Rhonda Daniels

Central Coast Orbital Bus Strategy; Disposal and retention policy for records for Sydney Ferries for State Records Authority of NSW; Ageing Roundtable, NSW Department of Ageing, Disability and Home Care

Alexa Delbosc

Mid Career Fellowship, Economic and Social Research Council, United Kingdom

Associate Professor Stephen Greaves

NSW Department of Environment and Climate Change

Professor Corinne Mulley

7th Framework Programme for Research and Technological Development, European Commission; 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

Associate Professor John Rose

Freight Demand Elasticities Study, National Transport Center, Australia

Dr Majid Sarvi

Australian Research Council; Canadian Social Sciences Research Council

Professor Peter Stopher

New Zealand Ministry of Transport: Research Project on Trip Chains and Trip Tours

INVITED PRESENTATIONS

INTERNATIONAL

Matthew Beck

Advanced choice methodology

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

Professor Graham Currie

Fare incentives for shifting peak rail demand

Union Internationale de Transports Public Seminar on Fare Policy and Revenue Strategy Paris, France

Sustainable cities – A dialogue event

Australian Consulate General, Boston, United States

The social implications of the transport energy crisis in Australian cities

Irish Transport Research Network, Cork, Ireland

Professor David Hensher

Keynote presentation

South Africa Bus Operator Association National Conference

Professor Geoff Rose

Regulating emerging light electric vehicles

Joint subcommittee on Emerging Vehicles and Personal Transportation, Washington DC, United States

Dr Majid Sarvi and Dr Russell Thompson

Instrumented traffic system

Global Center of Excellence, Kyoto University, Japan

Adjunct Professor John Stanley

Mobility, social exclusion and wellbeing
International Public Transport Association (UITP),
World Congress, Dubai, United Arab Emirates

Dr Russell Thompson

Sustainability and ethics
Department of Construction Management, East
Carolina University, United States

AUSTRALIA

Professor Graham Currie

*Build it and they will come? Managing demand on our
transport infrastructure*
Moving Melbourne Seminar Series

Employment, mobility and living in a growing city
Melbourne Conversations

*Exploring ridership drivers of light rail and bus rapid
transit*
Light Rail Conference, Sydney

*Fighting the costs of future congestion – a case for
increasing public transport priority measures*
TransLink Transport Innovation and Technology
Forum, Brisbane

Pheonix Hub – Transport perspectives
Pheonix Hub Forum, Melbourne

Public transport in Victoria: Thinking outside the lines
Hilton on the Park, Melbourne

Tram stop upgrade research summary
Victorian Roads Based Public Transport Advisory
Council, Melbourne

Transport and coordination workshop
Botanic Gardens, Melbourne

Transport challenges and solutions for the 21st century
Sustainable Australia Caucus Committee,
Canberra

*Transport disadvantage in Victoria – Research rationale
and opportunities*
Transport Connections Program Statewide Forum,
Melbourne

*Understanding urban agglomeration benefits in mass
transit project evaluation*
Metropolitan Transport Forum

Dr Rhonda Daniels

*ITLS-Interfleet Transport Opinion Survey: what can we
learn*
BusNSW Leading Edge Seminar

*Overcoming barriers to implementing flexible transport
services*

Local and Community Transport Division Meeting,
Transport for NSW

Planning for buses

Land Use and Transport Course, NSW Department
of Transport

**Dr Rhonda Daniels and Professor Corinne
Mulley**

Are free shuttles necessarily a good idea?

Western Sydney Public Transport Users, Transport
Symposium

Link and place concept

CBD Access Committee, NSW Department of
Transport

Workshop on Walking and Cycling Infrastructure
for Australian cities, Major Cities, Department of
Infrastructure and Transport

Professor David Hensher

*Road pricing and the role that the federal government
might play in supporting public transport investment
in our capital cities*

Emerging Crises Summit on Cities, Population,
Climate Change and Energy at Parliament House,
Canberra

*Urban transport: A little less conversation, a little more
action*

Powered by Research Breakfast Series, The
University of Sydney Business School: held at
L'Aqua, Cockle Bay Wharf

Keynote address

6th NSW Transport Infrastructure Summit

Should motorists pay for congestion they cause?

Economics Society of Australia, Reserve Bank of
Australia, Sydney

Keynote address

BusNSW Annual Conference

Claudine Moutou

*Adapting to changes in transport access: A focus on
business owners in town centres*

5th Australian Climate Change Adaptation
Research Network for Settlements and
Infrastructure's Early Career Researchers Forum
and Workshop, UNSW

Professor Corinne Mulley

Driving outcomes for the NSW bus industry
Panel Member, Bus NSW Annual Conference

Future models for community transport in Victoria
Keynote Speaker, Victorian Community Transport Association

How is the public transport system performing in Australia
Moving People Summit, Chartered Institute of Logistics and Transport

Making strong connections – reforming urban and regional transport networks
Committee for Economic Development of Australia, Transport Series

Making strong connections – Why do we get the public transport we get?
Engineering, Planning and Environment Forum, NSW Government Transport Construction Authority

What might community transport organisations hope to achieve with accreditation?
Community Transport Organisation

Dr Majid Sarvi

A novel approach to network design optimization using dynamic modelling
Large network dynamic simulations, Sydney

Chris Skinner

Business architecture for intelligent transport systems
Intelligent Transport Systems Summit

Adjunct Professor John Stanley

Moving People report
Chartered Institute of Transport and Logistics

Keynote presentation
Bus Industry Confederation Annual Conference

Social exclusion and mobility
Emerging Crises Summit on Cities, Population, Climate Change and Energy at Parliament House, Canberra

IN THE MEDIA

PUBLIC TRANSPORT

The Key Centre's Chairs in Public Transport were called on locally, nationally and internationally throughout the year to comment on congestion relief, land use and public transport.

Professor Graham Currie, Chair in Public Transport at ITS-Monash, was interviewed for the *Moving Melbourne Seminar Series* in a documentary video – *The second most liveable city in the world? Moving Melbourne through its transport challenges* – produced by GHD Pty Ltd and available online: <http://www.youtube.com/watch?v=nm2SW4YaYe0>

In December, Professor Currie was interviewed live on *Channel Seven's* breakfast show *Sunrise* about the push for all-night public transport over the festive season.



Melissa Doyle interviews Professor Graham Currie

Professor Corinne Mulley, Chair in Public Transport at ITLS-Sydney, spoke to the *Sydney Morning Herald* and the *Brisbane Times* about integrated fares to allow multi-modal travel on public transport, to *The Daily Telegraph*, *Inner West Courier* and the *Australasian Bus and Coach* on restricting non-workers' concession fare use to off-peak hours, and to the *Sydney Morning Herald* on the re-introduction of the double-decker bus to Sydney. Professor Mulley was also interviewed by ABC TV News on her response to the announcement of the new integrated transport authority for NSW.



RAIL TRAVAIL

One mode of transport took centre stage in the media in 2011 – rail – in particular the



controversial proposals for high-speed rail from Brisbane to Melbourne, rail links for Sydney's west / northwest and light rail plans for Sydney's CBD. The

Australasian Bus and Coach called this the 'rail travail' when they interviewed Professor Mulley for their story on the focus on rail leading up to the NSW state elections in March 2011. Professor Mulley was one of a number of ITLS-Sydney academics who questioned the emphasis on rail projects for Sydney over less costly bus systems (*Inner West Courier*); her article for *The Conversation* gave further details on how bus rapid transit systems can deliver the required speed and capacity, meet emission standards, and provide genuine economics benefits:



<http://theconversation.edu.au/getting-public-transport-right-means-less-emphasis-on-rail-45>

In his interviews with *The Australian*, *Australian Financial Review*, *Daily Telegraph*, *Sun Herald*, *Sydney Morning Herald* and *702 ABC Radio Sydney*, Director of ITLS, Professor David Hensher talked about the frequency and connectivity that could be provided by a highly flexible, high volume bus service network in Sydney. Professor Currie's research showing that bus rapid transit systems in the US cost a third of the price of light rail was cited in the *Sydney Morning Herald*.

Dr Rhonda Daniels shared her concerns over the congestion that would result from Sydney's proposed northwest rail link with *The North Shore Times*. The feasibility of high-speed rail from Brisbane to Melbourne was the topic of interviews given by Professor Peter Stopher to *SBS Mandarin News* and by Associate Professor John Rose to *ABC Radio National*. Professor Hensher contributed to discussions on a number of other bus and rail issues from quiet carriages (*702 ABC Radio Sydney*), through ticket price reductions (*ABC TV News*) to the lack of rail access at the Barangaroo Precinct development in Sydney (*702 ABC Radio Sydney*). Professor Mulley spoke to the *Sydney Morning Herald* about rail timetabling.

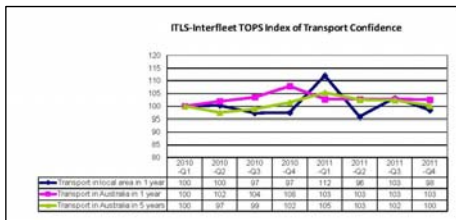
SHOULD MOTORISTS PAY FOR THE CONGESTION THEY CAUSE?



Professor Hensher was interviewed by the TV (*Channel Nine News*), radio (*702 ABC Sydney* and *2UE*) and print media (*Business Spectator*, *Sun Herald*, *Sydney*

Morning Herald, and *The Sunday Telegraph*) on his proposal that motorists should pay 'per peak kilometre' in order to reduce congestion and fund expansion of public transport. Road congestion pricing was also the topic of an article by Adjunct Professor John Stanley for *The Conversation* – <http://theconversation.edu.au/the-case-for-congestion-charging-in-australia-152> - and a report he was interviewed for by *Channel Seven News*.

TRANSPORT OPINION SURVEY



TOPS Index of Transport Confidence

Results from the ITLS-Sydney Transport Opinion Survey (TOPS) received widespread coverage in the mainstream and industry print media. The *Sydney Morning Herald* reported that the first quarter TOPS survey showed that three-quarters of Sydneysiders did not expect any improvement in transport services in the next 12 months regardless of the upcoming NSW election. This story was also picked up by *ABC News Online*, *International Business Times*, *mX Sydney*, *Supply Chain Review*, and *Australasian Bus and Coach*. Professor Hensher was later quoted in the *Sydney Morning Herald* warning that the public has a patience threshold with a new regime of about six months. Results from the second quarter TOPS survey showing that Victorians believed transport in their local area had become worse since the state election were reported in the *Herald Sun*, the *Australian Financial Review* and *Australasian Bus and Coach*. The third quarter finding that 63% of Australians believed that fuel for buses should be excluded from the carbon tax was widely reported in industry and special interest newsletters (*Australasian Bus and Coach*, *Sector Connect Inc News and Eco News*); this was also reported in the *Australian Financial Review*. In an article published

in *The Conversation* (subsequently picked up by the *The West Australian*) Adjunct Professor John Stanley wrote about the collateral damage that the new carbon price was likely to inflict on public transport: <http://theconversation.edu.au/public-transport-collateral-damage-of-our-new-carbon-price-2181> Professor Currie was interviewed on the implications of the carbon tax on public transport for *Melbourne Talk Radio*.

IN OTHER TRANSPORT NEWS



Astrid De Alwis (pictured left) was interviewed for the *Australasian Bus and Coach* in an article titled *Abolish Audits, Keep Course* on BusVic's advocacy of the mandatory operator safety course while

calling for audits to be scrapped. Associate Professor John Rose spoke to *Channel Ten News* on parking schemes including the use of intelligent transport systems and homeowners renting their driveways. He also spoke with *3AW Drive Radio* on the Victorian government's transport spending plans. Adjunct Professor John Stanley spoke to *The Age* newspaper about traffic induced by new road investment and published a further article in the *The Conversation* on the Australian Conservation Foundation's estimates of public transport expenditure in Australia:

<http://theconversation.edu.au/under-investment-in-public-transport-has-acf-got-it-right-1007>

Professor Hensher spoke to *Australasian Transportation News* and *Supply Chain News* about the Coalition of Australian Governments' Road Reform Plan proposal for a mass-distance-location scheme commenting that the scheme will not be as complex or expensive as the trucking industry believes and that government should cover half the cost of retrofitting old trucks with on-board monitoring technology. Professor Hensher also talked to the media about congestion in Sydney's CBD suggesting that an underground bus depot could be built (*Sydney Morning Herald* and *2GB Radio*) and that there was a need to build strategic models for traffic at the weekends as well as for weekdays (*Sydney Morning Herald*). He also wrote a range of *Food for Thought* opinion pieces for the *Australasian Bus and Coach* on topics ranging from patronage forecasts in large scale infrastructure projects, through design of bus contracts, bus rapid transit and road pricing, to carbon pricing and the wider economic benefits of transport projects: <http://sydney.edu.au/business/itls/foodforthought.pdf>

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.

ITLS-SYDNEY BOARD OF ADVICE



Board of Advice Meeting, May 2011
(The Board also met in November 2011)

L-R: John King, Mark Rainbird, Phil Potterton, Jyotirmoyee Bhattacharjya, Andrew Collins, Gillian Akers, Tony Sheldon, Dr Alastair Stone, Professor David Hensher, Stephen Rowe, Scott Lennon, Wendy Adam, Darryl Mellish, Brian Hastings, and Professor John D. Nelson (Visiting Professor)

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

Senior Associate, Strategic Design and Development Pty Ltd

Dr Peter Barnard

General Manager, International Markets and Economic Services for Meat and Livestock Australia (MLA)

Warren Bennett

Executive Director, Board of Airline Representatives of Australia

Professor Chandra Bhat

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

Jyotirmoyee Bhattacharjya

To October 2011

Doctoral Program, ITLS-Sydney

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 Tyrone Carlin

Acting Dean, The University of Sydney Business School

Andrew Collins

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Professor of Supply Chain Management,
Manchester Business School, The University of Manchester, United Kingdom

Doug Dean

Managing Director, Veolia Environmental Services

Paul Forward

Principal, Evans and Peck

Jim Glasson

Chief Executive Officer, ComfortDelGro Cabcharge

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Claudine Moutou

From November 2011

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ITS-MONASH ADVISORY COMMITTEE

The Advisory Committee met in August 2011.

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