

CAITR – 2007 29th Conference of Australian Institutes of Transport Research Transport Systems Centre



Conference Room: Centenary Building, Level 3, Room 16 (C3-16)
City East Campus, corner of North Terrace and Frome Road

Day 1 – Wednesday 5 December 2007

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| 0900 – 0930 | Collection of conference papers in the foyer outside the Conference Room C3-16 |
| 0930 – 1000 | Conference Room: Centenary Building, Level 3, Room 16 (C3-16)
Welcome to CAITR 2007 – Derek Scrafton
Conference Matters – Nicholas Holyoak |
| 1000 – 1100 | Session 1: Transport Engineering and Freight
Chair: Raluca Raicu

<ol style="list-style-type: none"> 1. Analysis of Forward and Backhaul Truck Freight Rates in Terms of Long Run Marginal Cost and Composite Demand.
<i>John Taplin; Transport and Logistics Business School, University of Western Australia.</i> 2. Study on Method of Urban Road Access Spacing.
<i>Chenhong Wangning; School of Highway, Chang'an University.</i> |
| 1100 – 1130 | Morning Tea (provided in the foyer outside the Conference Room C3-16) |
| 1130 – 1230 | Session 2: Transport Emissions
Chair: Rocco Zito

<ol style="list-style-type: none"> 3. Impact of Emission Trading Schemes on Transport.
<i>Ivan Iankov; Transport Systems Centre, University of South Australia.</i> 4. Environmental Cost of Travel Time Saved (ECOTTS) Model Developments from Work Journey Mode Comparisons.
<i>Stuart Cement; Transport Systems Centre, University of South Australia.</i> |
| 1230 – 1345 | Lunch (provided in the Aroma Café on campus) |

- 1345 – 1515 **Session 3: Public Transport I**
Chair: Nikolaos Vogiatzis
5. **Investigating Consistency in Passenger Arrivals – Insights from Longitudinal Ticket Validations.**
Daniel Csikos and Graham Currie; Institute of Transport Studies, Monash University.
 6. **Value of CityRail to the Community of NSW.**
George Karpouzis, Atiqur Rahman, Kerrie Tandy and Chris Taylor; Rail Corporation New South Wales.
 7. **Determination of Optimal Route Corridors for Bus Operations.**
Upali Vandebona and Chan Wirasinghe; School of Civil and Environmental Engineering, University of New South Wales.

1515 – 1530 Afternoon Tea (provided in the foyer outside the Conference Room C3-16)

- 1530 – 1700 **Session 4: Health and Safety**
Chair: Stuart Clement
8. **Design Strategies for the Amelioration of Anti-social Behaviour on Public Transport.**
Selby Coxon; Industrial Design, Monash University.
 9. **The Development of Railway Level Crossing Safety Assessment Model: A Research Framework.**
Siti Zaharah; Transport Systems Centre, University of South Australia.
 10. **Measuring the Health Impact of Diesel Fuel Use from Road Based Transport.**
Oz Kayak and Russell Thompson; University of Melbourne.

Day 2 – Thursday 6 December 2007

- 0900 – 1030 **Session 5: Traveller Behaviour and Network Vulnerability**
Chair: Mark Besley
11. **PAYD to Reduce Risk Exposure.**
Simon Fifer; Institute of Transport and Logistics Studies, University of Sydney.
 12. **Impacts of Telecommuting for Reduction of Environment Pollution.**
Son The Vu; School of Civil and Environmental Engineering, University of New South Wales.
 13. **The Assessment of the Regional Network Vulnerability: The Case Study of the Green Triangle Region.**
Susilawati and Michael A.P. Taylor; Transport Systems Centre, University of South Australia.

1030 – 1100 Morning Tea (provided in the foyer outside the Conference Room C3-16)

- 1100 – 1230 **Session 6: Transport Information Impacts and Social Inclusion**
Chair: John Taplin
14. **Matching a Message to an Audience - What Does this Mean?**
T.P. Hutchinson; Centre for Automotive Safety Research, University of Adelaide.
 15. **Research on the Traffic State Recognition System for Regional Highway.**
Chenhong Wangning; School of Highway, Chang'an University.
 16. **Car Ownership and Social Inclusion in Australia.**
Victoria Johnson; Monash University.

1230 – 1345 Lunch (provided in the Aroma Café on campus)

- 1345 – 1515 **Session 7: Public Transport II**
Chair: Tony Richardson
17. **Urban Spatial Structure and Travel Impacts: The Case of Jakarta Metropolitan.**
Ikhwan Hakim; Faculty of the Built Environment, University of New South Wales.
18. **Route Bus Transport - Stakeholders, Vehicles and New Design Directions.**
Robbie Napper; Department of Design and Institute of Transport Studies, Monash University.
19. **What do Passengers Need out of Public Transport Information Systems?.**
Syahriah Bachok, Wen Long Yue and Rocco Zito; Transport Systems Centre, University of South Australia.
- 1515 – 1545 Afternoon Tea (provided in the foyer outside the Conference Room C3-16)
- 1545 – 1745 **Session 8: Transport Modelling and Simulation**
Chair: Branko Stazic
20. **Modelling and Forecasting the Demand for Automobile Petrol in Australia, and its Policy Implications.**
Zheng Li; Institute of Transport and Logistics Studies, University of Sydney.
21. **Simulation and GA-Optimisation for Modeling the Operation of Airport Passenger Terminals.**
Doina Olaru and Stephen Emery; University of Western Australia.
22. **A Review of Gap-Acceptance Capacity Models.**
Rahmi Akçelik; Akcelik and Associates.
23. **The Application of Transport Micro-Simulation on Environmental Studies.**
Hong-En Lin, Rocco Zito and Michael A.P. Taylor.
- 1900 **Conference Dinner:** T-Chow Chinese Restaurant, 68 Moonta St. Adelaide.
\$30 per person payable before the meal on the night; drinks not included.

Day 3 – Friday 7 December 2007

- 0930 – 1030 **Research Summaries**
Chair: Nicholas Holyoak
(TBA – 10 minutes each)
- 1030 – 1100 Morning Tea (provided in the foyer outside the Conference Room C3-16)
- 1100 – 1200 **Research Summaries Continued**
- 1200 – 1300 Lunch (provided in the Aroma Café on campus)
- 1305 – 1315 **Presentation of Awards**
1. *Robert L Pretty Memorial Prize* for best undergraduate student paper (sponsored by Akçelik and Associates).
2. *Rodney Vaughan Memorial Prize* for best postgraduate student paper (sponsored by The Urban Transport Institute).
- 1315 – 1330 **Conference Closure**