Preliminary Programme

DAY 1 WEDNESDAY 8 DECEMBER 2004

0830 – 1000 Registration / Collection of conference papers

0900 – 0930 Welcome to CAITR 2005 – Dr Nariida Smith
Conference Matters – Dr Leorey Marquez

0930 – 1050 Session 1. Project Evaluation, Value of Time, Travel Behaviour
Chair: Prof John Taplin
1. Distributional (equity) effects in the evaluation of transport proposals, Katrina Preski, Neil Houghton, Dimitris Tsolakis, ARRB Transport Research Ltd.
2. Estimating individual values of time in stated preference surveys, Tony Richardson, TUTI.
3. Using the six principles of persuasion to promote travel behaviour change – preliminary findings of a TravelSmart pilot test, Rita K Seethaler, Monash University.
4. Modelling multimodal passenger choices with stated preference data, O. Khan, L. Ferreira and J. Bunker, Queensland University of Technology.

1050 – 1120 Morning Tea

1120 – 1240 Session 2. Air pollution and Sustainable Transport
Chair: Dr Nariida Smith
5. Demand for hybrid cars: elasticity approaches and a fuzzy logic contribution, John Taplin, The University of Western Australia.
6. Traffic control policies to reduce pollution in Perth CBD, Sharif Siddique, The University of Western Australia.
7. Valuing GHG savings from ITS implementations in urban areas, Leorey Marquez, Nariida Smith and Justine Gannon, CSIRO Transport Futures.
8. Presenting impacts of office relocation on workers’ travel. Moving the Aspendale laboratory to Clayton, Doina Olaru, Nariida Smith, Leorey Marquez, and Cheryl McNamara, CSIRO Transport Futures.

1240 – 1340 Lunch
1340 – 1520  **Session 3. Intelligent Transport Systems Deployment**
Chair: Dr Tu Ton
9. **Validating deployment guidelines for road-based Intelligent Transport Systems (ITS) and traffic operation services**, Kath Marschke, Luis Ferreira and Jonathon Bunker, Queensland University of Technology.
10. **ITS logical architecture for ITS Service interoperability - investigation into user acceptance**, Christopher Skinner, ITSA.
12. **Arterial travel time study using SCATS data**, Charles Karl and James Luk, ARRB Transport Research Ltd.

1520 – 1550  **Afternoon Tea**

1550 – 1710  **Session 4. Traffic Engineering**
Chair: Dr Peter Hidas
15. **Progression of different vehicle types in a signalised urban arterial corridor**, Euan D. Ramsay and Jonathan M. Bunker, Queensland University of Technology.
17. **The application of cellular automata to the modelling of chaotic road traffic systems**, Stuart J Clement and Michael AP Taylor, University of South Australia.
DAY 2 THURSDAY  9 DECEMBER 2004

0900 – 1040 Session 5. Traffic Data: Collection, Uses, Fusion, Monitoring
Chair: Dr Stuart Clement
18. The case for simplification of activity and transport data collection, H. Kayak, and David Syles, RMIT University.
19. Mobile phones as traffic probes, Geoff Rose, Monash University.
20. Use of real time machine vision in vehicle tracking for traffic enforcement and speed variance study, Tu Ton and Vivian Salim, CSIRO Transport Futures.
21. Using GPS probe vehicle data for traffic network and system optimisation, Andrew Somers, Monash University.

1040 – 1110 Morning Tea

1110 – 1230 Session 6. Logistics
Chair: Prof Fred Affleck
22. Rail-rail Interchange Design, Martijn Abeling, Monash University
23. Meaning and measurement of value in logistics and supply chains, David Wilson, RMIT.
24. Container terminal capacity: slots or straddles?, John Leavesley, RMIT.

1230 – 1330 Lunch

1330 – 1510 Session 7. Public Transport, Field Services, Logistics
Chair: Dr James Luk
26. Optimising operational logistics using negotiated scheduling, Simon Dunstall and Mark Horn, CSIRO Mathematical and Information Sciences.
27. Public Transport Commuter Interchange; Melbourne’s Eastern Corridor Opportunity, Nigel Thomas, RMIT.
28. Some Geometric Properties of Manhattan Field Service Territories, Jim Youngman, Monash University
29. Network methods for modelling collector truck routes, Upali Vandebona, UNSW.
30. Location modelling in logistics, David Wilson, RMIT.

1510 – 1540 Afternoon Tea
1540 – 1640 **Session 8. Aviation and Safety**
Chair: Dr Geoff Rose

1700 **Visit to the Monash University Accident Research Centre’s Driving Simulator**

1930 **Conference Dinner (to be announced)**
DAY 3  FRIDAY  10 DECEMBER 2004

0900 – 1020  **Session 9. Microsimulation models**  
Chair: Dr Rahmi Akcelik  
34. *A functional evaluation of microsimulation models*, Peter Hidas, University of New South Wales.  
35. *Comparisons between macro simulation (Transyt) and micro simulation (Paramics)*, Tiew Kai Ting, Monash Uni, Majid Sarvi, and James Y.K. Luk, ARRB Transport Research Ltd.  
36. *The application of micro-simulation in the development of dynamic travel time prediction model*, Hong-en Lin, University of South Australia.  

1020 – 1050  Morning Tea

1050 – 1210  **Session 10: Agent-based technology, Intelligent applications**  
Chair: Dr Upali Vandebona  
38. *A potential solution for City Logistics*, Yung-yu Tseng, University of South Australia.  
40. *Incident detection on arterials using Neural Network data fusion of simulated probe vehicle and loop detector data*, K. Thomas and H. Dia, The University of Queensland.  
41. *Ebusiness and trains; evaluating Ebusiness in a railway environment*, Clara Tetther, Queensland University of Technology.

1210 – 1310  Lunch

1310 – 1540  **Research Summaries (10 min each, list to be finalised)**  
Chair: Dr Tony Richardson  
1. PATREC: Prof Fred Affleck  
2. Queensland University of Technology  
3. University of New South Wales: Dr Peter Hidas  
4. University of Queensland  
5. University of South Australia: Dr Stuart Clement
6. University of Western Australia: Prof John Taplin
7. Akcelik and Associates: Dr Rahmi Akcelik
8. ARRB Transport Research Ltd.: Dr Dimitris Tsolakis
9. Department of Infrastructure (Victoria): Dr Fotios Spiridonos
10. ITS Monash: Assoc Prof Geoff Rose
11. MUARC: Dr. Michael Regan
12. RACV: Engr. Peter Daly
13. RMIT: Dr David Wilson
14. Vicroads: Dr. Duncan Elliott
15. TUTI: Prof Tony Richardson
16. CSIRO: Dr Nariida Smith

1540 – 1600 Afternoon Tea

1600 – 1615 Presentation of Awards
Chair: Dr Nariida Smith
1. Robert L Pretty Memorial Prize for best undergraduate student paper
(sponsored by Akcelik and Associates).
2. Rodney Vaughan Memorial Prize for best postgraduate student paper
(sponsored by The Urban Transport Institute)

1615 Conference Closure
Dr Nariida Smith

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DEPARTMENT OF INFRASTRUCTURE

RACV

Vic roads
The conference will be held at the Lecture Theatre.

If you are driving, ample parking is available at the car park on Carlson Avenue.

Public Transport:
The closest train station is Huntingdale station.