CAITR - 2003
25th Conference of Australian Institutes of Transport Research
Transport Systems Centre
University of South Australia

PAPER LIST

1. Equity and accessibility challenges for ‘liveable’ Australian cities.
   Dr Nariida Smith, Dr Doina Olaru, Dr Leorey Marquez and Cheryl McNamara; CSIRO.

2. Improving utilisation of existing public transport infrastructure by allowing bus access to tram rights-of-way.
   Andrew Somers; Institute of Transport Studies, Monash University.

3. Switching potential and strategic bus corridors: the influence of frequency and connectivity in growing patronage.
   Geoffrey Clifton; Institute of Transport Studies, University of Sydney.

4. Predisposing conditions for serious road crashes (Bayesian and conditional probabilities and road crash risk).
   Chris Dyson; TSC, UniSA.

5. The startle reflex, panic and pilot behaviour.
   Patricia Wheeler; Department of Aviation, University of New South Wales.

6. ITS technologies and markets.
   Dr Vivian Salim and Dr Nariida Smith; CSIRO; Dr Marcus Wigan (Oxford Systematics).

   Hirofumi Farusawa; TSC, UniSA.

8. Representing a change of destination attractiveness in a Markov model of trip sequences.
   Professor John Taplin; Transport Discipline, University of Western Australia.

   Dr David Wilson; Faculty of Business, RMIT University; Anna Qianyao Cai, University of Melbourne; Tony Hingston, RMIT University.

10. Public perceptions of Victoria’s roadside rest areas.
    Daniel Przychodzki and Thanuja Gunatillake; Public Policy Department, RACV.

    Arnold Sic; Department of Civil and Environmental Engineering, University of Melbourne.

12. Mobility considerations in restricting choice sets in modal choice models.
    Frank Primerano; TSC, UniSA.

    Nikolaos Vogiatzis and Dr Stuart Clement; TSC, UniSA.

    Raju Ingole and Rishi Daryani; TSC, UniSA.
15. **Tracking ability of an MCV on a rural road.**  
*Sandra Lennie and Dr Jonathan Bunker; School of Civil Engineering, Queensland University of Technology.*

16. **Development and evaluation of an agent-based adaptive traffic signal control system.**  
*Suphasawas Nigarnjanagool; Department of Civil Engineering, University of Queensland.*

17. **Measuring influence in groups of more than two agents over multiple rounds of negotiation: an application to transport research.**  
*Sean Puckett; Institute of Transport Studies, University of Sydney.*

18. **Travel time variability on an urban freeway.**  
*Professor Tony Richardson; The Urban Transport Institute and Monash University.*

19. **On improving traffic microsimulation techniques.**  
*Nikolaos Vogiatzis; TSC, UniSA.*

20. **Evaluation of microscopic car-following behaviour.**  
*Sakda Panwai; Department of Civil Engineering, University of Queensland.*

21. **Comparative performance of speed-based travel time estimation models.**  
*Ruimin Li; Department of Civil Engineering, Monash University.*

22. **Speed-flow and bunching relationships for uninterrupted flows.**  
*Dr Rahmi Akçelik; Akçelik and Associates.*

23. **The influence of operational uncertainties on airline schedule planning and punctuality control issues.**  
*Dr Cheng-Lung Wu; Department of Aviation, University of New South Wales.*

24. **Evolutions in urban transport planning process.**  
*Dr Lal Wadhwa; School of Engineering, James Cook University.*

25. **Multicriteria-nested model to forecast classified traffic using low cost information.**  
*Amilia Aldian and Professor Michael Taylor; TSC, UniSA.*

26. **Assessing impacts of urban freight measures on air toxic emissions in inner Sydney.**  
*Dr Leorey Marquez and Dr Vivian Salim; CSIRO.*

27. **Estimating the relationship between traffic and air pollution.**  
*Sharif Siddique; Business School, University of Western Australia.*

28. **Predicting the energy use of a solar-electric commuter car.**  
*Dr Peter Pudney and Dr Rocco Zito; UniSA.*

29. **Freight modal transport energy efficiency: a comparison model.**  
*Ashis Parajuli, Professor Luis Ferreira and Dr Jonathan Bunker; School of Civil Engineering.*

30. **Reliability of multi-modal transport systems.**  
*Dr Upali Vandebona and Dr Eli Ismutulla; School of Civil and Environmental Engineering, University of New South Wales.*

31. **The capacity of port facilities for sea-containers.**  
*John Leavesley; Faculty of Business, RMHT University.*

32. **Response burden: a challenge.**  
*Liz Ampt; Steer Davies Gleave, Adelaide.*

33. **Operating cost, fuel consumption and emission models in aaSIDRA and aaMOTION.**  
*Dr Rahmi Akçelik and Mark Besley; Akçelik and Associates.*

34. **Ebusiness and trains; tracking the benefits, derailing the costs.**  
*Clara Tetther and Professor Luis Ferreira; Queensland University of Technology.*
35. **A simple demand model to project consumption impacts of rising petrol prices.**  
*Professor John Taplin; Transport Discipline, University of Western Australia.*

**Research Summaries**

1. TSC (UniSA): Professor Michael Taylor  
2. Akçelik and Associates: Dr Rahmi Akçelik  
3. ITS-Monash: Dr Rahmi Akçelik  
4. RMIT University: Dr David Wilson  
5. University of New South Wales: Dr Upali Vandebona  
6. James Cook University: Dr Lal Wadhwa  
7. University of Western Australia: Professor John Taplin  
8. PATREC: Professor Fred Affleck  
9. CSIRO: Dr Leorey Marquez  
10. The Urban Transport Institute (TUTI): Professor Tony Richardson  
11. University of Queensland: summary report in paper form  
12. Queensland University of Technology: summary report in paper form  

**Awards**

   Sponsored by Akçelik and Associates and presented by Dr Rahmi Akçelik.  
   Winner: Andrew Somers.

   Sponsored by The Urban Transport Institute and presented by Professor Tony Richardson.  
   Winner: Frank Primerano.