

APPLIED METHODS

Tuesday 4 October

0900-1100 hours

Modelling Issues

Chair: Patrick Bonnel, ENTPE, FR

Fusion of strategic modelling and microsimulation: integrated modelling of transport policy decisions at strategic and micro levels

S Ahuja, T van Vuren, P Lall, B Yulainto, R Cusworth, Mott MacDonald, UK

Uncertainty in traffic forecasts: literature review and new results for the Netherlands

G de Jong, A Daly, RAND Europe, NL and ITS, University of Leeds, UK; M Pieters, RAND Europe, NL; S Miller, RAND Europe, UK; F Hofman, AVV, Ministry of Transport, NL

Evaluation of transfer methods for spatial travel demand models

N Karasmaa, Helsinki University of Technology, FI

1130-1300 hours

Car Ownership

Chair: Gerard Whelan, ITS, University of Leeds, UK

The dynamics of car ownership in EU countries: a comparison based on the European household panel survey

J Dargay, University of Oxford, UK; L Hivert, INRETS, FR

Economic development and changes in car ownership patterns

A Matas, J L Raymond, Universitat Autònoma de Barcelona, ES

1430-1600 hours

Value of Time

Chair: Charlene Rohr, RAND Europe, UK

Measuring components of value of travel time savings

M Jiang, T Morikawa, Nagoya University, JP

Nonlinearity and tastes heterogeneity influence on discrete choice models forecasts

A Orro, M Novales, University of La Coruña, ES; F G Benitez, University of Sevilla, ES

Unit income elasticity of the value of travel time savings

M Fosgerau, Danish Transport Research Institute, DK

1630-1800 hours

Land Use

Chair: Hugues Duchateau, STRATEC, BE

Using a land-use/transport/economic model in Edinburgh

D C Simmonds, V M White, David Simmonds Consultancy, UK; S Leitham, S Williamson, MVA, UK

Paper to be confirmed

Speaker to be confirmed

A land-use/transport model system for the urban area of Rome, Italy

A Nuzzolo, P Coppola, University of Rome Tor Vergata, IT

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0900-1100 hours

Forecast Uncertainty

Chair: Werner Rothengatter, University of Karlsruhe – TBC

An application of backward forecasting for the validation of an urban travel model system

J Kurri, Helsinki University of Technology, FI

Prediction reliability of the transport simulation models: a before and after study in Naples

E Cascetta, A Papola, University of Naples, IT; A Carteni, University of Salerno, IT

The Channel Tunnel – an ex-post economic evaluation

R Anguera, Strategic Rail Authority, UK

0900-1100 hours

Appraisal

Chair: to be announced

Valuing noise and intrusion effects through stated WTP for residential housing

J Eliasson, Transek, SE

Civil aviation in Scandinavia – economic value and importance

C Brems, M Bøgelund, COWI, DK

Assessing the economic impacts of transport: EIRS and EALIS – a comparative analysis

A McGregor, Steer Davies Gleave, UK

1130-1300 hours

Uncertainty and Travel Time Variability

Chair: John Polak, Imperial College, UK

Bus users' attitudes to travel time variability

Y Hollander, ITS, University of Leeds, UK

Calculating expected delays and travel time variability in cost-benefit analyses

J Eliasson, Transek, SE

Heuristic judgement, prospect theory and stated preference surveys aimed to elicit the value of travel time

E J van de Kaa, TRAIL, NL

1130-1300 hours

Data Surveys

Chair: Joyce Dargay, University of Oxford, UK

National transport surveys: what can we learn from international comparison?

P Bonnel, LET, FR; J Armoogum, INRETS, FR

Data collection biases in a transport survey

L Christensen, Danish Transport Research Institute, DK

1430-1630 hours

Modelling Extensions

Chair: David Simmonds, David Simmonds Consultancy, UK

Modelling air-travel choice behaviour in the Greater London area

S Hess, Imperial College London and RAND Europe; J Polak, Imperial College London, UK

Modelling park-and-ride in the PRISM model for the West Midlands region

J Fox, RAND Europe, UK

Modelling time period choice: experience from the UK and the Netherlands

A Daly, C Rohr, RAND Europe, UK; S Hess, Imperial College London and RAND Europe, UK; G

Hyman, Department for Transport, UK; J Polak, Imperial College London, UK

1430-1630 hours

Panel Study

Chair: Patrick Bonnel, LET, FR

Why long-term dynamic elasticities differ from cross-section elasticities?

J-L Madre, INRETS, FR; F Gardes, University of Paris I, FR

The journey to work: an analysis of mode choice based on panel data

J Dargay, University of Oxford, UK

Modelling the determinants of daily motor vehicle travel in Germany: application of a panel analysis that controls for sample selectivity

C Vance, S Buchheim, DLR, German Aerospace Centre, DE