

## INNOVATIVE METHODS SEMINAR ON CHOICE MODELLING

Monday 3 October

**1030-1230 hours**

**Parameter Estimation**

**Chair: Hugh Gunn, HPG Holding, UK/Netherlands**

The amazing sensitivity of the value of time savings to income dependent utility functions

**S Jara-Diaz, M Munizaga, Universidad de Chile, CL**

Semiparametric distribution of the value of travel time savings from multifactor stated choice data

**M Fosgerau, Danish Transport Research Institute, DK**

Mixed logit modelling with mass-point distributions

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

**Bierlaire, EPFL, CH**

**1600-1800 hours**

**Activities**

**Chair: Cinzia Cirillo, FUNDP, BE**

Home-end/activity-end approach for multimodal route choice modelling: a GNL-model distinguishing home-end and activity-end nests

**S Hoogendoorn-Lanser, R van Nes, Delft University of Technology, NL**

Modelling the impact of ATIS on travellers' behaviour: Puget Sound region case study

**A Polydoropoulou, A Tsirimpa, University of the Aegean, GR; C Antoniou, Massachusetts Institute of Technology, US**

A framework for a joint mode choice – household car allocation model

**E Petersen, Parsons Brinckerhoff, US; P Vovsha, PB Consult, US**

Tuesday 4 October

**0900-1100 hours**

**Mixed Logit**

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

Random covariance heterogeneity in discrete choice models

**S Hess, Imperial College London and RAND Europe, UK; J Polak, Imperial College London, UK; D Bolduc, University of Laval – Quebec City, CN**

Logit kernel (or mixed logit) models for large multidimensional choice problems: identification and estimation

**J L Bowman, Massachusetts Institute of Technology, US**

A rigorous framework for empirically comparing mixed GEV and mixed MNL with error components models

**L A Garrow, T Bodea, Georgia Institute of Technology, US**

**1130-1300 hours**

**General**

**Chair: John Polak, Imperial College, UK**

Dominance among alternatives in discrete choice modelling: a general framework and an application to destination choice

**E Cascetta, A Papola, University of Naples, IT**

The applicability of prospect theory to the analysis of transport networks

**R Batley, R Connors, A Sumalee, ITS, University of Leeds, UK**

**1430-1600 hours**

**General**

**Chair: Andrew Daly, RAND Europe, UK/Netherlands and ITS, University of Leeds, UK**

Alternative presentations of the random utility model

**N Ibanez, R Batley, ITS, University of Leeds, UK**

Uncertainty in choice behaviour prediction: a hybrid approach to combine fuzziness and randomness

**G Circella, M Dell'Orco, D Sassanelli, Technical University of Bari, IT**

**1630-1800 hours**

**Cross-Nested Logit debate**

**Chair: Stephan Hess, Imperial College London and RAND Europe, UK**

Normalization and correlation of cross-nested logit models

**M Bierlaire, EPFL, CH; E Abbé, T Toledo, Massachusetts Institute of Technology, US**

A specification procedure of the CNL model reproducing any homoschedastic covariance matrix

**A Papola, V Marzano, University of Naples, IT**