# Kuhmo NECTAR Conference and Summer School on Transportation Economics: Annual Conference of the International Transportation Economics Association 2013

**Monday 08 July 2013 - Friday 12 July 2013**

**Northwestern University**

# Programme

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# Wednesday 10 July 2013

## 111 - Frequent Flyer Programs - G36 (13:30-14:30)

| time | [id] title | presenter |
|---|---|---|
| 13:30 | [88] Pie in the sky? the impact of non-linear token accrual in frequent flier programs on consumer usage levels | BEHRENS, Christiaan (VU University Amsterdam) |
| 14:00 | [113] Latent air travel preferences: understanding the role of frequent flyer programs in airline choice | SEELHORST, Michael (University of California, Berkeley) |

## 112 - Congestion Pricing on Road Networks - G42 (13:30-14:30)

| time | [id] title | presenter |
|---|---|---|
| 13:30 | [84] Lessons learned from modeling public-private partnership concession projects in Fresno, California | ROUHANI, Omid (Cornell University) |
| 14:00 | [111] Toll road competition with boundedly rational road users | GUO, Xiaolei (University of Windsor) |

## 113 - The "Mohring Effect" - G43 (13:30-14:30)

| time | [id] title | presenter |
|---|---|---|
| 13:30 | [12] Monopoly, subsidies and the Mohring effect: a synthesis and an extension | GOMEZ-LOBO, Andres (University of Chile) |
| 14:00 | [43] Vouchers or tendering? a comparison of two approaches for handling the Mohring effect in public transport | NILSSON, Jan-Eric (Swedish National Road and Transport Research Institute) |

## 114 - Fuel Efficiency Standards I - G45 (13:30-14:30)

| time | [id] title | presenter |
|---|---|---|
| 13:30 | [3] Vehicle fuel-efficiency choices, emission externalities, and urban sprawl | KIM, Jinwon (Technical University of Denmark) |
| 14:00 | [48] CAFE standards, rebound effects and urban form | LEE, Je-Jeung (University of Louisville) |

## 121 - Flight Delays - G36 (14:35-15:35)

| time | [id] title | presenter |
|---|---|---|
| 14:35 | [13] Flight cancellation as a reaction to the tarmac delay rule: an unintended consequence of enhanced passenger protection | FUKUI, Hideki (Ehime University) |
| 15:05 | [110] Propagated delay vs. primary delay and their cost impacts: an exploratory empirical investigation | ZOU, Bo (University of Illinois at Chicago) |

## 122 - HOT Lanes - G42 (14:35-15:35)

| time | [id] title | presenter |
|---|---|---|
| 14:35 | [34] Pareto improvements from "Lexus lanes": the case for pricing a portion of the lanes on congested highways | HALL, Jonathan (Northwestern University) |

| | | |
|---|---|---|
| 15:05 | [60] HOT or not: driver elasticity to price on the Minnesota MnPASS HOT lanes | JANSON, Michael (University of Minnesota) |

## 123 - Public Transport and Congestion - G43 (14:35-15:35)

| time | [id] title | presenter |
|---|---|---|
| 14:35 | [55] Bus corridor delay functions for economic analysis of urban transport policies | BASSO, Leonardo (Universidad de Chile) |
| 15:05 | [74] Second-best public transit investment and the implications for congestion | BEAUDOIN, Justin (University of California, Davis) |

## 124 - Fuel Efficiency Standards II - G45 (14:35-15:35)

| time | [id] title | presenter |
|---|---|---|
| 14:35 | [49] Automaker responses to fuel economy standards | BENTO, Antonio (Cornell University) |
| 15:05 | [91] Bounding the welfare effects of CAFE standards | SMALL, Kenneth (University of California, Irvine) |

## ITEA Annual Business Meeting - G36 (15:45-16:30)

## Keynote Address - McCormick Auditorium (17:00-18:00)

| time | [id] title | presenter |
|---|---|---|
| 17:00 | [126] Keynote Address: Forming transportation policy in an uncertain world | MANSKI, Charles (Northwestern University) |

# Thursday 11 July 2013

## 211 - Air Traffic Growth - G36 (08:30-09:30)

| time | [id] title | presenter |
|---|---|---|
| 08:30 | [68] Investigating the causal relationship between air passenger traffic and trade in Asia-Pacific, 1980-2010 | VAN DE VIJVER, Elien (Ghent University) |
| 09:00 | [89] Airport traffic, regional employment and economic growth: a causality analysis | ORDAS CRIADO, Carlos (Laval University) |

## 212 - Congestion Pricing and Labor Supply - G42 (08:30-09:30)

| time | [id] title | presenter |
|---|---|---|
| 08:30 | [10] Second-best urban tolling with distributive concerns | DIAZ, Andrea (Katholieke Universiteit Leuven) |
| 09:00 | [59] How does labor supply modeling affect findings of transport policy analyses? | TSCHARAKTSCHIEW, Stefan (Technical University of Dresden) |

## 213 - Accessibility - G43 (08:30-09:30)

| time | [id] title | presenter |
|---|---|---|
| 08:30 | [102] How does changing job accessibility affect the employment rate? | NORMAN, Therese (Jönköping University) |
| 09:00 | [107] The effect of urban form on residential relocation and non-work travel patterns: a case of Florida households | CONCAS, Sisinnio (University of South Florida) |

## 214 - Reducing Fuel Consumption - G45 (08:30-09:30)

| time | [id] title | presenter |
|---|---|---|
| 08:30 | [19] How effective are policies to reduce gasoline consumption? Evaluating a quasi natural experiment in Spain | MATAS, Anna (Universitat Autònoma de Barcelona) |
| 09:00 | [78] Measuring the rebound effect with micro data | MULALIC, Ismir (Technical University of Denmark) |

## 221 - Setting Airline Frequencies - G36 (09:35-10:35)

| time | [id] title | presenter |
|---|---|---|
| 09:35 | [9] Measuring strategic firm interaction in product-quality choices: the case of airline flight frequency | BRUECKNER, Jan (University of California, Irvine) |
| 10:05 | [103] Congesting the commons: a test for strategic congestion externalities in the airline industry | MOLNAR, Alejandro (Stanford University) |

## 222 - Road Pricing and Public Transport - G42 (09:35-10:35)

| time | [id] title | presenter |
|---|---|---|
| 09:35 | [96] Pricing of cars and public transit with capacity constraints | GONZALES, Eric (Rutgers University) |
| 10:05 | [109] Effects of congestion pricing and public transport prioritization in a multimodal context: welfare analysis in an activity-based model | CHAKIROV, Artem (Future Cities Laboratory) |

## 223 - Agglomeration - G43 (09:35-10:35)

| time | [id] title | presenter |
|---|---|---|
| 09:35 | [26] Pitfalls in estimating “wider economic benefits” of transportation projects | KANEMOTO, Yoshitsugu (National Graduate Institute for Policy Studies, Tokyo) |
| 10:05 | [64] The effect of transport access improvement on the agglomeration of tourism industry | MORIMOTO, Yu (Kyoto University) |

## 224 - Fuel Consumption and Emissions - G45 (09:35-10:35)

| time | [id] title | presenter |
|---|---|---|
| 09:35 | [62] The true cost of gasoline consumption: estimation of gasoline demand for an analysis of health and climate change policies in Mexico | MONTES DE OCA, Mariza (Instituto Tecnológico Autónomo de México) |
| 10:05 | [92] Vehicle lifetime trends and scrappage behavior in the U.S. used car market | ROTH, Kevin (Cornell University) |

## 231 - Airline Networks - G36 (11:00-12:00)

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [41] Airlines route structure competition and network policy | SILVA, Hugo (VU University Amsterdam) |
| 11:30 | [65] Price competition among airports and the airline network | TERAJI, Yusuke (Tezukayama University) |

## 232 - Congestion Pricing - G42 (11:00-12:00)

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [47] Win-win dynamic socially-conscious congestion pricing for congested urban areas | ABOUDINA, Aya (University of Toronto) |
| 11:30 | [116] An efficient solution approach for the bottleneck model with general heterogeneity | LIU, Yang (Northwestern University) |

## 233 - Public Transport Investment - G43 (11:00-12:00)

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [20] Funding public transport infrastructure projects and value capture in Australia: issues and challenges | WANG, Jian (Southern Cross University) |
| 11:30 | [117] The suburbanization of the median voter: implications for transit and environmental policy | HOLIAN, Matthew (San Jose State University) |

## 234 - Empirical Studies - G45 (11:00-12:00)

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [36] A model for internal and external competition in the HSR lines and a case study | CANTOS-SáNCHEZ, Pedro (Universitat de València) |
| 11:30 | [45] An inquiry into the cost structure of state controlled undertakings in India | SINGH, Sanjay (Indian Institute of Management Lucknow) |

## 241 - ITF Special Session: Demand Forecasting in Action - G36 (13:00-14:00)

| time | [id] title | presenter |
|---|---|---|
| 13:00 | [122] New microeconomic models for travel demand forecasting | BHAT, Chandra (University of Texas, Austin) |
| 13:30 | [123] Integrating heterogeneous user preferences and reliability valuation in dynamic network models for forecasting toll revenues in large-scale network applications | MAHMASSANI, Hani (Northwestern University) |

## 242 - Carbon Policy - G42 (13:00-14:00)

| time | [id] title | presenter |
|---|---|---|
| 13:00 | [79] Indexing European carbon taxes to the EU ETS permit price: a good idea? | CARLéN, Björn (The Swedish National Road and Transport Research Institute (VTI)) |
| 13:30 | [93] Global transportation demand and fuel uses in a carbon constrained world | MISHRA, Gouri Shankar (University of California, Davis)<br>Mr. KYLE, Page (Pacific Northwest National Laboratory) |

## 243 - Freight Logistics - G43 (13:00-14:00)

| time | [id] title | presenter |
|---|---|---|
| 13:00 | [71] The effect of fuel prices on trucking industry's network characteristics | ABATE, Megersa (Denmark Technical University) |
| 13:30 | [86] Inventory theory, mode choice and transhipment in freight transport | COMBES, Francois (Université Paris-Est) |

## 251 - ITF Special Session: Demand Forecasting in Action (Continued) - G36 (14:05-15:05)

| time | [id] title | presenter |
|---|---|---|
| 14:05 | [124] Forecasting for High-Speed Rail in California | SMALL, Kenneth (University of California, Irvine) |
| 14:35 | [125] Forecasting changes in rail reliability: comparison of directly estimated and implied demand elasticities | WARDMAN, Mark (University of Leeds) |

## 252 - Maritime Transport - G42 (14:05-15:05)

| time | [id] title | presenter |
|---|---|---|
| 14:05 | [42] Impacts of climate change on waterway transport on the Rhine and Danube, a multimodal approach | BEUTHE, Michel (Université catholique de Louvain - Mons) |
| 14:35 | [119] Vertical integration in liner shipping: a transaction cost economics approach | ACCIARO, Michele (Erasmus University Rotterdam) |

## 253 - Freight Transport and Regional Planning - G43 (14:05-15:05)

| time | [id] title | presenter |
|---|---|---|
| 14:05 | [30] Determinants of transport costs for inter-regional trade | MUN, Se-il (Kyoto University) |
| 14:35 | [83] The effects of transport on regional production frontiers and regional efficiency | ALLROGGEN, Florian (Muenster University) |

## 261 - Airlines - G36 (15:30-16:30)

| time | [id] title | presenter |
|---|---|---|
| 15:30 | [14] Value of a platform to a seller: case of American Airlines and online travel agencies | PAI, Vivek (University of California, Irvine) |
| 16:00 | [16] Strategic choice of alliance membership under local competition and global networks | D'ALFONSO, Tiziana (Sapienza University of Rome) |

## 262 - Traffic Engineering Dimensions - G42 (15:30-16:30)

| time | [id] title | presenter |
|---|---|---|
| 15:30 | [17] The economics of intersections | EVERS, Ruth (Katholieke Universiteit Leuven) |
| 16:00 | [25] Optimizing road capacity and type | NG, Chen Feng (California State University Long Beach) |

## 263 - Auctions - G43 (15:30-16:30)

| time | [id] title | presenter |
|---|---|---|
| 15:30 | [40] Over- and under-bidding in tendering | VAN DEN BERG, Vincent (VU University Amsterdam) |
| 16:00 | [76] Optimism bias in project appraisal: deception or selection? | ELIASSON, Jonas (KTH Royal Institute of Technology) |

## 264 - Smart vehicles - G45 (15:30-16:30)

| time | [id] title | presenter |
|---|---|---|
| 15:30 | [104] Economic modeling of connected vehicles: a case study of emerging technologies in transportation | MURARI, Sudeeksha (Booz.Allen Hamilton)<br>NAHAS, Nicholas (Booz.Allen Hamilton) |

# Friday 12 July 2013

## 311 - Parking Congestion - G36 (08:30-09:30)

| time | [id] title | presenter |
|---|---|---|
| 08:30 | [4] Residential parking in vibrant city districts | MOLENDA, Inga (University of Münster) |
| 09:00 | [31] Garage and curbside parking competition with search congestion | INCI, Eren (Sabanci University) |

## 312 - Trip Timing and the Bottleneck Model I - G42 (08:30-09:30)

| time | [id] title | presenter |
|---|---|---|
| 08:30 | [63] Performance and acceptability of Pigouvian tolls in a bottleneck congestion game: evidence from the lab | JANUSCH, Nicholas (Colorado State University) |
| 09:00 | [87] Peak avoidance in the train | PEER, Stefanie (VU University Amsterdam) |

## 313 - Discrete Choice Theory and Willingness to Pay - G43 (08:30-09:30)

| time | [id] title | presenter |
|---|---|---|
| 08:30 | [22] A representative consumer theory of discrete choice | FOSGERAU, Mogens (Technical University of Denmark) |
| 09:00 | [97] Empirical comparison of the construction of confidence intervals for willingness-to-pay | CHIEW, Woon Lyn Esther (Cornell University) |

## 321 - Infrastructure Pricing - G36 (09:35-10:35)

| time | [id] title | presenter |
|---|---|---|
| 09:35 | [53] Pricing and congestion in transport facilities under public–private competition and vertical integration | BASSO, Leonardo (Universidad de Chile) |
| 10:05 | [101] Cost recovery of congested infrastructure under market power: alternative market forms | VERHOEF, Erik (VU University Amsterdam) |

## 322 - Trip Timing and the Bottleneck Model II - G42 (09:35-10:35)

| time | [id] title | presenter |
|---|---|---|
| 09:35 | [35] Problems in taking the bottleneck model to data | HALL, Jonathan (Northwestern University) |
| 10:05 | [105] Equilibrium in the bottleneck model with atomic (oligopolistic) users | LINDSEY, Robin (University of British Columbia) |

## 323 - Evaluating Infrastructure Investment - G43 (09:35-10:35)

| time | [id] title | presenter |
|---|---|---|
| 09:35 | [18] Are transport infrastructures productive?: new evidence from OECD countries | GUMBAU-ALBERT, Mercedes (University of Valencia) |
| 10:05 | [57] The effects of transport infrastructure changes: a general equilibrium perspective | OSSOKINA, Ioulia (CPB Netherlands Bureau for Economic Policy Analysis) |

## 331 - Road Social Costs - G36 (11:00-12:00)

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [6] Accident externalities of a car weight are (more than) internalised | VAN OMMEREN, Jos (VU University Amsterdam) |
| 11:30 | [85] The general social and private costs of driving | ROUHANI, Omid (Cornell University) |

## 332 - Lobbying and Public Policy - G42 (11:00-12:00)

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [51] Lobbying by retailers and downtown traffic policy | RUSSO, Antonio (European University Institute) |
| 11:30 | [54] Transportation investments under uncertainty: lobbying can hurt the lobbyist | PROOST, Stef (Katholieke Universiteit Leuven) |

## 333 - Valuation - G43 (11:00-12:00)

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [58] The value of service reliability | BENEZECH, Vincent (LVMT Laboratoire Ville Mobilité Transport) |
| 11:30 | [128] Influences of infrastructure and attitudes to health on value of travel time savings in bicycle journeys | BJöRKLUND, Gunilla (Swedish National Road and Transport Research Institute (VTI)) |

## 334 - Public Transport Demand - G45 (11:00-12:00)

| time | [id] title | presenter |
|---|---|---|
| 11:00 | [15] Equity through transportation policy in developing countries: the case of Colombia | TORO-GONZALEZ, Daniel (Universidad Tecnologica de Bolivar) |
| 11:30 | [90] Panel data analysis of gas price elasticity to transit ridership in ten major urban areas in the United States | ALI, Rubaba (University of Maryland, College Park) |

## 341 - Road Safety - G36 (13:00-14:00)

| time | [id] title | presenter |
|---|---|---|
| 13:00 | [29] Regulation of road accident externalities: analytical model with endogenous speed and safety technology choice | DEMENTYEVA, Maria (VU University Amsterdam) |
| 13:30 | [56] Deregulation and safety: evidence from the taxicab industry | SAITO, Kuniyoshi (Meiji Gakuin University) |

## 342 - Road Pricing and Space - G42 (13:00-14:00)

| time | [id] title | presenter |
|---|---|---|
| 13:00 | [37] The political economy of pricing congestible infrastructure in a federal state | DE BORGER, Bruno (University of Antwerp) |
| 13:30 | [66] Simultaneous optimization of road network pricing and floor area ratio regulation | YING, Jiang Qian (Gifu University) |

## 343 - Value of Time - G43 (13:00-14:00)

| time | [id] title | presenter |
|---|---|---|
| 13:00 | [38] Within individual variation in preferences and trip making: equity effects of congestion charges | BöRJESSON, Maria (KTH Royal Institute of Technology) |
| 13:30 | [80] Value of travel time savings and provision of facilities for pedestrians and cyclists | RAMJERDI, Farideh (Institute of Transport Economics) |

## 351 - Road Externality Costs - G36 (14:05-15:05)

| time | [id] title | presenter |
|---|---|---|
| 14:05 | [33] The usefulness of pollution examinations of on-road vehicles: the case of Jerusalem | ALBERT, Gila (Holon Institute of Technology) |
| 14:35 | [95] Quiet from road noise? recovering the complete demand function | ANDERSSON, Henrik (Toulouse School of Economics) |

## 352 - Electric Vehicles - G42 (14:05-15:05)

| time | [id] title | presenter |
|---|---|---|
| 14:05 | [77] An analysis of competing technologies in the car market using a nested multinomial logit | BLEKER, Sylvia (VU University Amsterdam) |
| 14:35 | [108] On the gap between the willingness to pay for and the marginal cost of electric battery vehicles with improved range | DAZIANO, Ricardo (Cornell University) |

## 353 - Mode Choice - G43 (14:05-15:05)

| time | [id] title | presenter |
|---|---|---|
| 14:05 | [39] Buy or share? social desirability of car-sharing policies | GUTIERREZ-I-PUIGARNAU, Eva (VU University Amsterdam) |
| 14:35 | [44] Targeted subsidy distribution: a method for increasing modal shift | GAYAH, Vikash (Pennsylvania State University) |

## 361 - Investment Evaluation - G36 (15:30-16:30)

| time | [id] title | presenter |
|---|---|---|
| 15:30 | [94] The impact of cost-benefit analysis on transport investment decisions | ELIASSON, Jonas (KTH Royal Institute of Technology) |
| 16:00 | [98] Disentangling causal effects of commuter rail on land prices from rumor through construction | CONCAS, Sisinnio (University of South Florida) |

## 363 - Demand Estimation - G43 (15:30-16:30)

| time | [id] title | presenter |
|---|---|---|
| 15:30 | [21] Easy and flexible mixture distributions | FOSGERAU, Mogens (Technical University of Denmark) |
| 16:00 | [46] A new econometric approach for estimating gasoline price elasticity of automobile travel and vehicle fuel demand | GOETZKE, Frank (University of Louisville) |