

DR. JAN-DIRK SCHMÖCKER

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Nationality: German Date and place of birth: 26 June 1976, Bremen

APPOINTMENTS

- Since 2010 Associate Professor, **Department of Urban Management, Kyoto University**
Responsibilities: Set up and teaching in the newly established Undergraduate International Course Program Of Global Engineering, Student Supervision, Research.
- 2007-10 Visiting Associate Professor, **Department of Civil and Environmental Engineering, Tokyo Institute of Technology**
Responsibilities: Research, Teaching in undergraduate and graduate school
- 2006-07 Research Associate. **Centre for Transport Studies, Imperial College London.**
Responsibilities: Research, Student supervision, Tutorials
- 2005-06 Visiting PhD Student. **Department for Urban Management, Kyoto University, Japan.** *Research on Dynamic Transit Assignment*
- 2002-05 Research Assistant. **Centre for Transport Studies, Imperial College London.**
Responsibilities: Research, Student supervision, Tutorials
- 2000-02 Research Assistant. **Transport Operations Research Group, University of Newcastle.** *Responsibilities: Research, Tutorials*
- 1999 Research Employee (Part time). **Daimler Chrysler Transportation Research, Berlin, Germany** *Research on public transport assignment*
- 1998 Student Trainee. **Technical University of Helsinki, Finland** *Modelling of roundabout traffic with microsimulation*

QUALIFICATIONS (HIGHER EDUCATION)

- 2006 **PhD**, “Dynamic Capacity Constrained Dynamic Transit Assignment”, Centre for Transport Studies, Imperial College London. Topic: *Estimating line loads considering demand fluctuations and that this demand might exceed vehicle capacity. Special consideration is given to passenger route choice strategies.* Supervisor: *Prof. Michael G.H. Bell.*
- 2000 **MSc**, Transport Eng. and Operations (Distinction), Transport Operations Research Group, University of Newcastle.
Dissertation title: *Traffic Flow Theory: Analysis of the M25 data*
- 1999 **Vordiplom**, Verkehrswesen (Equivalent to a BEng in Engineering), Technical University of Berlin, Germany

MAJOR PROJECT INVOLVEMENT

- 2014-11 **Trend Effects in Vehicle Purchase and Travel Decision** (funded by the *Japan Society for the Promotion of Science*)
 Car ownership decisions are driven by economic developments, personal circumstances and preferences as well as the availability of alternative travel options. This research aims to establish in how far further "trend effects" determine decisions. Trends can be described as influence by others to assimilate to their behaviour. The research further investigates in how far such trends can also be found in short term travel decisions such as mode or route choice. The overall purpose is to show in how far the creation of trends can influence the stability of mobility systems.
- 2008-11 **Dynamic Hyperpath Search for Transit and Traffic Assignment** (funded by the U.K.s *Engineering Physics Science Research Council*).
 Path choices by transport network users depend in part on decisions made in response to foreseeable circumstances at the start of the trip and in part on choices made as the trip unfolds. In the case of transit networks, on-trip choices may depend on factors such as which line arrives first at a particular stop or platform, whereas in the case of traffic networks, on-trip choices may be influenced by factors such as an encountered queue, the state of traffic signals, or information received by the driver. The objective of this project is to extend the concepts of hyperpath and strategy-based decision-making to dynamic transit networks, traffic networks and multi-modal networks.
- 2006-10 **City Comparison** (funded by *Transport for London*) **and Coordination of Network Descriptors for Urban Intelligent Transportation Systems (CONDUITS)**, funded by the 7th *EU Framework Programme on Sustainable Surface Transport*)
 The main objectives of CONDUITS is to develop Key Performance Indicators that assist European municipalities in business decisions for ITS projects and to facilitate best practice experiences between municipalities on experiences with ITS. An important aspect of the research is further to link the performance indicators to the current traffic situation in the cities. The project consortium consists of the transport authorities of five European cities (London, Paris, Rome, Brussels and Istanbul), three universities (Imperial College London, TU Munich and Technion), a private SME (ISIS Rome) and the networking organisation Polis. CONDUITS is the follow-on project from City Comparison which aimed to provide an overview on ITS deployment in major municipalities around the world.
- 2004-05 **Trip Generation and mode choice of older people** (funded by *Transport For London*).
 This follow-on project from "Door-to-door transport for older and disabled people" aimed to understand the behaviour of all those eligible for door-to-door services, a substantially larger group of people than dealt with in the precursor project as there are a significant number of those eligible who do not participate. The simulation model is further developed in order to estimate trip generation and mode choice London-wide for this population group. Special attention was given to the potential and actual demand for Special Transport Services (Taxicard, Dial-a-Ride) in inner and outer London.
- 2002-04 **Reliability of Metro Services** (A RTSC benchmarking project).
 This study compared the operational performance of large metro systems

with regard to reliability, punctuality and regularity. It examined the responses to service disruption, and sought to identify strategies for returning the service to schedule with the minimum impact on passengers. Characteristics of different systems were considered, resulting in an evaluation of factors and strategies that lead to a reliable service. The study also identified effective service management strategies, through the analysis of both quantitative and qualitative data on the perceived efficiency of current recovery strategies.

2002-03 **Door-to-door transport for older and disabled people** (funded by *Transport For London*).

The objective of this project was to assess the viability of travel budgets with specific reference to the Accessible Transport Pilot Project in the London Borough of Newham. It is proposed to assess the potential viability of weighting fares to users of door-to-door services according to two criteria; the specific mobility needs of the user determined by mobility assessment, and the range of transport choices available to the user. This needs-based fares assessment would allow for resources in terms of subsidy per trip and transport availability to be targeted to those most in need. Part of the project was to develop a desktop simulation to model the effects of changes to the current travel budget concept in Newham.

2000-02 **Analysis of Network Reliability** (funded by the U.K.s *Engineering Physics Science Research Council*).

Work in this area was concerned with the development of game-theoretic and related methods to characterise concepts of network reliability, taking into account topological, performance and behavioural consideration. A variety of applications of these methods have been developed.

FURTHER PROJECT INVOLVEMENT (SHORT TERM PROJECTS, CO-INVESTIGATOR ROLES)

2011 **Stability and Adaptation of Mobility Patterns** (funded by *Japan Society for the Promotion of Science*)

2009 **Explorative Research on Strategic and Tactic Route Choice of Passengers** (funded by *Japan Society for the Promotion of Science*)

2006 **Multi-Objective Signal Control for Urban Environments** (funded by *U.K. Department for Transport*)

2005 **Guidance on Demand Forecasting Models for Major Public Transport Schemes** (funded by *U.K. Department for Transport*)

2004 **The Influence of London's Congestion Charge on Shopping Activities** (funded by *John Lewis Cooperation, London, U.K.*)

2003 **Scooping a Model Travel Behaviour Dataset Programme to address research and policy needs in transport** (funded by *EPSRC, U.K.*)

2001 **Evaluation of the SCOOT Urban Control System in Delhi, India** (funded by *Delhi Police*)

OTHER ACADEMIC ACTIVITIES

Teaching At Kyoto University to teach courses titled **Planning and Management of Social Systems, Transport Management, System Analysis for Planning and Management, Engineering Mathematics, Scientific English Debate**. Between 2007 - 2010 teaching at Tokyo Tech the courses "Travel Demand

Forecasting” and **“Qualities of Transportation Networks”** for MSc/ PhD students and involved in **“Civil Engineering English” I and II** for 2nd and 3rd year undergraduate students
 In 2006 lecturing at London South Bank University the module **“Transport and Traffic”** for MSc students in Civil Engineering.

Student Supervision

Actively involved in **supervision of MSc theses** and final year theses of undergraduate students since 2002.
 Co-supervising three **PhD students** at Tokyo Institute of Technology (Grace Padhayong (completed), Hideki Yaginuma, and Jiangsha Ma), and co-supervising two PhD students at Kyoto University (Junghwa Kim on *Acceptability of Transport Policies*, Fajar Belgiawan on *Car Ownership Motivations*)

Funding Attraction

Successfully applied for funding from **Japan Society for Promotion of Science (JSPS)** (see major projects 2011 and further projects 2011) in categories “Young Researcher” and “Explorative Research”.
Start-up Fund Kyoto University (700k Yen over two years)
EU funding for CONDUITS in 2007 (Coordination of Network Descriptors for Urban Intelligent Transportation Systems, worth € 1,000,000 split between six municipalities and three universities)
Transport for London (see major projects 2002 and 2004; worth around £200k)
Engineering Physics Science Research Council (see major projects, 2008; worth £330k)

Editorial

Editorial Advisory Board:

Journal of Intelligent Transportation (since 2008)
 Journal of Transportation and Land-Use (since journal start in 2009),
 Transportation (2011-2013),
 International Journal of Transportation (since 2012)
 IET Intelligent Transport Systems (from 2013)
 Transportmetrica B: Transport Dynamics (from 2013)

Guest editor for special issues

Journal for Advanced Transportation titled “Importance of Public Transport”, Vol. 38(1).
Journal of Intelligent Transportation Systems titled “Improving Network Reliability through ITS”, Vol. 13(1).
Journal of Transportation and Land-Use (“Access, Aging and Impairments”, Vol. 2(1) and (2).
2010: Transportation titled “Transit Planning, Operation and Management in Densely Populated Areas”, Vol. 37(5).

Regularly **reviewing papers** for further journals such as Transportation Research Parts B and C, Network and Spatial Economics, Transportmetrica, Journal of Sustainable Transport; and conferences in particular ISTTT, INSTR and the Transportation Research Board (TRB)

Other International Activities **Co-Chair** conference on **Ageing, Mobility and Quality of Life** (Ann Arbor, June 2012, Elsevier sponsored).
Co-organiser of Special Session at 12th World Congress on Transportation Research in Lisbon, Portugal, 11-15 July 2010 titled Transit Routing and Assignment.

Invited talks **2012 International Planning Studio Exhibition and Forum on Planning Education**; National Cheng Kung University, Taiwan (August 2012).
11th Asian UITP Assembly; Seoul, Korea (October 2011)
2nd International Public Transport Forum organised by **Korean Transport Institute** (September 2011, all expenses paid)
Kansai Transportation Engineering Society (Osaka, 2006)
 Received expenses for lectures at **Trinity College Dublin, Kobe University, Nagoya University, Gifu University**

AWARDS

2006 **Smeed Prize** for Best Student Paper at the 2006 Meeting of the Universities Transport Studies Group (UTSG) in Dublin.

2005 (with Bell, M.G.H.; Polak, J.W., and Kurauchi, F.) **Best paper award** at the 10th International Conference on Mobility and Transport for Elderly and Disabled People (TRANSED) Hamamatsu, Japan, May 23-24.

2005 (with Shimamoto, H. Kurauchi, F. Iida, Y. and Bell, M.G.H.) **Outstanding paper award** at the 6th Eastern Asian Society for Transportation Studies (EASTS) conference, Bangkok, Thailand.

2004 **Scholarship** by the **Civil Engineering Department, Imperial College London** for two years funding for PhD completion

2000 **JMP Award for best Student in Traffic Management** at Newcastle University.

PERSONAL

School Education In Germany including Abitur (A-Level) in 1995 with Latin and Greek.

Social Service German Zivildienst (Civil Service) in 1995-96 as warden in an old people's home with a wide range of tasks

Languages **German** (mother tongue), **English** (fluent), **Dutch** (spoken), **Japanese** (spoken)

JOURNAL PUBLICATIONS

Schmöcker, J.-D., Hatori, T. and Watling, D. (In press). **Dynamic Process Model of Mass Effects**. Accepted for Publication in *Transportation*.

Abou-Zeid, M., Schmöcker, J.-D., Belgiawan, F.P. and Fujii, S. (In Press). **Mass Effects and Mobility Decisions**. Accepted for Publication in *Transportation Letters*.

Ma, J.S., Fukuda, D. and Schmöcker, J.-D. (In press). **Faster hyperpath generating algorithms for vehicle navigation**. Accepted for Publication in *Transportmetrica*.

Kim, J., Schmöcker, J.-D., Noland, R.B. and Fujii, S. (2013). **Attitudes towards Road Pricing and Environmental Taxation among U.S. and U.K. Students**. *Transportation Research Part A*, 48(1), 50-62.

Schmöcker, J.-D., Kurauchi, F. and Shimamoto, H. (2013). **Generation and Calibration of Transit Hyperpaths**. Selected Proceedings of the 20th International Symposium on Transportation and Traffic Theory (ISTTT). Nordwijk, The Netherlands, July 2013; and to published in *Transportation Research*.

Kim, J., Schmöcker, J.-D. and Fujii, S. (2013). **Influence of Arrogance on Acceptance of TDM Policy**. *Journal of Human Environmental Studies*, 10(2), 71-77.

Fonzone, A., Schmöcker, J.-D., Ma, J.S. and Fukuda, D. (2013). **Link-based Route Choice Considering Risk Aversion and Regret**. *Transportation Research Records* 2322, 119-128.

Kurauchi, F., Schmöcker, J.-D., Fonzone, A., Hemdam, S.M.H., Shimamoto, H., and Bell, M.G.H., (2012). **Estimation of Weights of Times and Transfers for Hyperpath Travellers**. *Transportation Research Records* 2284, 89-99.

Kasuya, K., Schmöcker, J.-D., Ando, R. and Fujii, S. (2012) **健康診断データを用いた交通行動と健康に関する基礎的研究**. Presented at 第 32 回交通工学研究発表会 (Japan Society of Traffic Engineers Proceedings.) (In Japanese).

Belgiawan, P.F., Schmöcker, J.-D. and Fujii, S. (2012). **Explaining The Desire to Own a Car among Indonesian Students**. Presented at 第 32 回交通工学研究発表会 (Japan Society of Traffic Engineers Proceedings.)

Shimamoto, H., Kurauchi, F. and Schmöcker, J.-D. (2012). **車両容量と路線相関を考慮した乗客配分モデルを用いた公共交通の所要時間信頼性評価**. 土木学会論文集 D3 (土木計画学) 特集号 VOL.68 NO.5 (土木計画学研究・論文集 29 卷)

Shimamoto, H., Schmöcker, J.-D., and Kurauchi, F. (2012). **Optimisation of a Bus Network Configuration and Frequency Considering the Common Lines Problem**. *Journal of Transportation Technologies*. 2(3), 220-229.

Schmöcker, J.-D., Pettersson, P. and Fujii, S. (2012). **Comparative Analysis of Proximal and Distal Determinants for the Acceptance of Coercive Charging Policies in the U.K. and Japan**. *International Journal of Sustainable Transportation*. 6(3), 156-173.

- Padahyag, G., Schmöcker, J.-D. and Fukuda, D. (2011). **Mobile Phones And Telecommuting: Effects on Trips and Tours of Londoners.** *Journal of Transport and Land Use.* 4(3), 23-41.
- Schmöcker, J.-D., Fonzone, A., Shimamoto, H., Kurauchi, F. and Bell, M.G.H. (2011). **Frequency-based Transit Assignment Considering Seat Capacities.** *Transportation Research Part B.* 45 (2), 392-408.
- Pettersson, P. and Schmöcker, J.-D. (2010). **Active Ageing in Developing Countries? – Trip Generation and Tour Complexity of Older People in Metro Manila.** *Journal of Transport Geography.* 18(5), 613-623.
- Wijeyewickrema, A., Schmöcker, J.-D. and Kusakabe, O. (2010). **Strategies to Incorporate English Into Civil and Environmental Engineering Undergraduate Education.** *Journal of Japan Society of Civil Engineers, Ser. H (Engineering and Practice).* 2(1), 21-27.
- Schmöcker, J.-D. and Bell, M.G.H. (2010). **Traffic Control: Current Systems and Future Vision of Cities.** *International Journal of Intelligent Transportation Systems Research.* 8(1), 55-65.
- Van, T.H. and Schmöcker, J.-D. (2010). **Signal Control in Mixed Traffic based on Bus Probe Vehicles: Concept and Application.** *Journal of the Eastern Asia Transportation Studies.* 8, 1686-1700.
- Schmöcker, J.-D., Su, F., and Noland, R. (2010). **An Analysis of Trip Chaining Among Older London Residents.** *Transportation.* 37(1), 105-123.
- Su, F., Schmöcker, J.-D. and Bell, M.G.H. (2010). **Mobility Scooters on Loan – A Scheme Complementing The Existing Special Transport Services in London.** *International Journal of Sustainable Transportation.* 4(2), 95-111.
- Su, F., Schmöcker, J.-D. and Bell, M.G.H. (2009). **Mode Choice of Older People Before and After Shopping – A Study with London data.** *Journal of Transport and Land Use,* 2(1), 29-46. *Also presented in similar form at TRB Washington 2008.*
- Schmöcker, J.-D., Kurauchi, F. and Bell, M.G.H. (2008). **A Quasi-Dynamic Capacity Constrained Frequency-Based Transit Assignment Model.** *Transportation Research B,* 42(10), 925-945.
- Shimamoto, H., Kurauchi, F., Schmöcker, J.-D. and Bell, M.G.H. (2008). **Evaluating Critical Lines and Stations Considering the Impact of Overcrowding Using a Transit Assignment Model - Case Study of London's Underground Network.** *Journal of Advanced Transportation* 42(3), 293-310.
- Bell, M.G.H., Kanturska, U., Schmöcker, J.-D. and Fonzone, A. (2008). **Attacker-Defender Models and Road Network Vulnerability.** *Philosophical Transactions of the Royal Society A.* 366, 1893-1906.

Schmöcker, J.-D., Ahuja, S. and Bell, M.G.H. (2008). **Multiobjective Signal Control of Urban Junctions – Framework and a London Case Study**. *Transportation Research C*, 16(4), 454-470.

Schmöcker, J.-D., Quddus M.A., Noland, R. B. and Bell, M.G.H. (2008). **Transport Mode Choice of the Elderly and Disabled in London**. *Transportation Geography*, 16(4), 257-267.

Quddus, M. A., Bell, M.G.H., Schmöcker, J.-D. and Fonzone, A. (2007). **Impact of the Congestion Charge on Retail Business in London: An Econometric Analysis**. *Transport Policy*, 14(5), 433-444. Also presented in similar form at TRB Washington 2005

Schmöcker, J.-D., Fonzone, A., Quddus, M.A., and Bell, M.G.H. (2006). **Changes in the frequency of shopping trips in response to congestion charge**, *Transport Policy*, 13 (3), 217-228. Also presented in similar form at TRB Washington 2005

Shimamoto, H., Kurauchi, F., Iida, Y., Bell, M.G.H. and Schmöcker, J.-D. (2005) **Evaluation of Public Transport Congestion Mitigation Measures Using a Passenger Assignment Model**, *Journal of the Eastern Asia Transportation Studies*, Vol. 6, 2076-2091. (Selected Conference Proceedings, Best Paper Award)

Schmöcker, J.-D., Quddus, M.A., Noland, R.B. and Bell, M.G.H. (2005). **Estimating trip generation of elderly and disabled people: An analysis of London data**. *Transportation Research Record: Journal of the Transportation Research Board*, 1924, 9-18.

Schmöcker, J.-D., Cooper, S., Adeney, W. (2005) **Metro Service Delay Recovery: Comparison of Strategies and Constraints Across Systems**. *Transportation Research Record: Journal of the Transportation Research Board*, 1930, 30-37.

Kurauchi, F., Schmöcker, J.-D. and Bell, M.G.H. (2003). **Capacity Constrained Transit Assignment with Common Lines**, *Journal of Mathematical Modelling and Algorithms*, 2, 309-327.

Schmöcker, J.-D. and Bell, M.G.H. (2002). **The PFE as a Tool for Robust Multi-modal Network Planning**, *Traffic Engineering and Control*, 44 (3), 108-114.

BOOK CHAPTERS

Van, T.H., Schmöcker, J.-D. and Fujii, S. (2011). **Upgrading from motorbikes to cars: Simulation of current and future traffic conditions in Ho Chi Minh City**. In: “Cities of the Future. The Future of Cities – Problems and perspectives of sustainable urban transport in Germany and Vietnam”. Published in German and Vietnamese. German Edition published by: Rainer Hampp Verlag, München and Mering, 2011.

Schmöcker, J.-D. (2010). **On Decision Principles for Routing Strategies Under Various Types of Risks**. In: *Security and Environmental Sustainability of Multimodal Transport*. Edited by: Bell, M.G.H., Hosseinloo, S.H. and Kanturska, U.; Springer, Dordrecht, The Netherlands.

Schmöcker, J.-D., Bell, M.G.H., Kurauchi, F. and Shimamoto, H. (2009). **A Game Theoretic Approach to the Determination of Hyperpaths in Transportation Networks**. Selected Proceedings of the 18th International Symposium on Transportation and Traffic Theory (ISTTT). Hong Kong, July 2009.

Kanturska, U., Schmöcker, J.-D., Fonzone, A. and Bell, M.G.H. (2009). **Improving Reliability Through Multi-Path Routing and Link Defence**. In: Game Theoretic Risk Analysis of Security Threats, Edited by Bier, V.M. and Azaiez, M.N.; Springer, New York., 199-228.

Schmöcker, J.-D. and Bell, M.G.H. (2008). **The Build-up of Congestion During Peak-hour: A Dynamic Frequency-Based Model**. In: Selected Proceedings of the 2nd Conference on Schedule-Based Dynamic Transit Modelling (SBTM). Edited by A. Nuzzolo and Nigel H.M. Wilson.

Bell, M.G.H. and Schmöcker J.-D. (2004). **A Solution to the Transit Assignment Problem**, Edited by Nigel H.M. Wilson and Agostino Nuzzolo. In: Schedule-Based Dynamic Transit Modeling. Theory and Applications.

Cassir, C., Bell, M.G.H. and Schmöcker, J.-D. (2003). **A Normative Assessment of Transport Network Reliability Based on Game Theory**, Edited by M.G.H. Bell and Y. Iida, In: The Network Reliability of Transport, Pergamon, 225-244.

Nicholson, A., Schmöcker, J.-D., Bell, M.G.H. and Iida, Y. (2003). **Assessing Transport Reliability: Malevolence and User Knowledge**, Edited by M.G.H. Bell and Y. Iida, The Network Reliability of Transport, Pergamon, 1-22.

Bell, M.G.H., Schmöcker, J.D., Iida, Y. and Lam, W.H.K. (2002). **Transit Network Reliability: An Application of Absorbing Markov Chains**, Proceedings of the 15th International Symposium on Transportation and Traffic Theory (ISTTT). Edited by M. A. P. Taylor), Pergamon: Oxford, 43-62.

PEER-REVIEWED / AWARDED CONFERENCE PROCEEDINGS

Kurauchi, F., Schmöcker, J.-D. and Shimamoto, H. (2012). **Understanding demand/supply variations on transit network using smartcard data**. Presented at the 5th International Symposium on Transportation Network Reliability (INSTR), December 2011, Hong Kong.

Shimamoto, H., Schmöcker, J.-D. and Kurauchi, F. (2012). **Optimisation of a Bus Network Configuration Considering the Common Lines Problem**. Presented at the 91st Annual Meeting of the Transportation Research Board. Washington D.C., U.S., January 2012.

Schmöcker, J.-D., Pettersson, P. and Fujii, S. (2010). **On the Influence of Psychological Factors and Beliefs on the Acceptance of Coercive Policies**. Presented at the 89th Annual Meeting of the Transportation Research Board, Washington D.C., U.S., January 2010. *Also presented in similar form at the 40th Conference of Infrastructure Planning of the Japanese Society of Civil Engineers (JSCE), Kanazawa, Japan, 21-23 November.*

Shimamoto, H., Kurauchi, F., Schmöcker, J.-D., and Bell, M.G.H. (2010). **Transit Assignment Considering the Correlation of Vehicles' Arrival**. Presented at the 89th Annual Meeting of the Transportation Research Board. Washington D.C., U.S., January 2010.

Van, T.H., Schmöcker, J.-D. and Fujii, S. (2009). **Upgrading from motorbikes to cars: Simulation of current and future traffic conditions in Ho Chi Minh City**. Proceedings of the Eastern Asia Transportation Studies, Vol. 8, 335-349.

Su, F., Bell, M.G.H. and Schmöcker, J.-D. (2008). **Mobility Scooter Usage in London – Results from the ScootAbility project**. Presented at the 87th Annual Meeting of the Transportation Research Board. *Also presented at the 11th International Conference on Mobility and Transport for Elderly and Disabled Persons (TRANSED), Montréal, Canada, June 2007.*

Noland, R. B., Schmöcker, J.-D., and Bell, M.G.H. (2008). **Trip Chaining Behaviour of Older People: Effects of Medical Conditions and Urban Form**. Presented at the 87th Annual Meeting of the Transportation Research Board, Washington D.C., U.S., January 2008.

Su, F., Schmöcker, J.-D. and Bell, M.G.H. (2008). **Mode Choice of Older People Before and After Shopping – A Study with London data**. Presented at the 87th Annual Meeting of the Transportation Research Board, Washington D.C., U.S., January 2008. *Also presented in similar form at the 2nd International 'Access to Destinations' Conference, Minneapolis, U.S., August 2007.*

Schmöcker, J.-D. (2006). **An Approach To Dynamic Transit Assignment With Consideration of Capacity Constraints**. Presented at the 38th Universities Transport Study Group Conference (UTSG), Dublin, January 2006. Smeed Price Awarded.

Schmöcker, J.-D., Quddus M.A., Noland, R. B. and Bell, M.G.H. (2005). **Transport Mode Choice of the Elderly and Disabled in London**. Presented at the 84th Annual Meeting of the Transportation Research Board, Washington D.C., U.S., January 2005.

Bell, M.G.H., Polak, J.W., Schmöcker, J.-D. and Kurauchi, F. (2004). **Desktop Simulation for Evaluating Door-to-Door Transport Budget Schemes**. Proceedings of the 10th International Conference on Mobility and Transport for Elderly and Disabled Persons (TRANSED). Hammamatsu, Japan. Best Paper Award.

Hills, P., Liu, R., May, T., Shepherd, S. and Schmöcker, J.-D. (2001). **Characterising Congestion in Urban Road Networks**, Selected Proceedings of the 9th World Conference on Transport Research (WCTR), Seoul, South Korea, July 2001.

OTHER PRESENTATIONS

Belgiawan, P.F., Schmöcker, J.-D. and Fujii, S. (2012). **Effects of Peer Influence, Satisfaction and Regret on Car Purchase Desire**. Presented at the 3rd International

Conference on a Sustainable Future for Human Security (SUSTAIN), November 4-5. Available from *Environmental Science Procedia (Elsevier)*.

Luo, H., Shimamoto, H., Kurauchi, F. and Schmöcker, J-D. (2012). **Evaluation of Service Punctuality of London Buses Using the bus travel log data**. Presented at the 17th International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 2012.

Fonzone, A., Schmöcker, J-D., Kurauchi, F., Hemdam, S.M.H. (2012). **Determinants of Hyperpath Choice in Transit Networks**. Presented at the 12th Conference on Advanced Systems for Public Transport (CASPT), July 2012.

Kurauchi, F., Schmöcker, J-D., Shimamoto, H. and Hemdam, S.M.H. (2012). **Empirical Analysis on Passengers' Hyperpath Construction by Smart Card Data**. Presented at the 12th Conference on Advanced Systems for Public Transport (CASPT), July 2012.

Yaginuma, H., Fukuda, D. and Schmöcker, J-D. (2012). **Parallel Implementation of the hyperpath-based railway passenger assignment : An Application to Tokyo Metropolitan Rail Network**. Presented at the 12th Conference on Advanced Systems for Public Transport (CASPT), July 2012.

Belgiawan, P.F., Schmöcker, J-D. and Fujii, S. (2011). **First motorcycle than car: Psychological Determinants for Vehicle Purchase Decisions**. Presented at Environment2.0, Eindhoven, NL, September 26-28. Also presented at the 16th International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 2011.

Kim, J., Schmöcker, J-D., Fujii, S. and Noland, R. (2011). **Comparative Study on the Acceptance of Road Pricing Policies in the U.S., U.K. and Japan**. Presented at Environment2.0, Eindhoven, NL, September 26-28. Also presented at the 16th International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 2011.

Schmöcker, J-D. (2011). **Trends and Population Uptake of Sustainable Modes**. 2nd Behavior in Networks Workshop, Seoul University, 17-18 June 2011.

Yaginuma, H., Fukuda, D. and Schmöcker, J-D. (2010). **A Large Scale Application Of A Hyperpath based Railway Route Assignment Model Considering Congestion Effects To Tokyo Metropolitan Area**. Presented at the 15th International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 2010.

Fonzone, A., Schmöcker, J-D. and Bell, M.G.H. (2010). **Selecting Potentially Optimal Routes Through Optimistic and Pessimistic Node Potentials**. Presented at the 3rd Dynamic Traffic Assignment Symposium, Takayama, Japan, 29–31 July 2010.

Fonzone, A., Schmöcker, J-D., Bell, M.G.H., Gentile, G., Kurauchi, F., Nökel, K. And Wilson, N.H.M. (2010). **Do Hyper-Travellers Exist? Initial Results of an International Survey on Public Transport User Behaviour**. Presented at the 12th World Conference on Transport Research, Lisbon, Portugal, 11-15 July 2010.

Shimamoto, H., Kurauchi, F., Schmöcker, J.-D. and Bell, M.G.H. (2010). **Transit Assignment Model Incorporating the Bus Bunching Effect**. Presented at the 12th World Conference on Transport Research, Lisbon, Portugal, 11-15 July 2010.

Schmöcker, J.-D., Shimamoto, H., Kurauchi, F., Fonzone, A. and Bell, M.G.H. (2010). **Seat Capacity and Hyperpath Choice On-Board**. Presented at the 12th World Conference on Transport Research, Lisbon, Portugal, 11-15 July 2010.

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