DR. JAN-DIRK SCHMÖCKER

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

APPOINTMENTS

Since 2010	**Department of Urban Management, Kyoto University** *Responsibilities: Set up, teaching and administration in the 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 Transit Assignment", Centre for Transport Studies, Imperial College London. 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

SELECTED PROJECTS

2024-21	**Deep Learning Anticipated Urban Mobility Peaks (DARUMA)** (principal

investigator, funded by Japan Society for Promotion of Science under the EIG-CONCERT-Japan scheme, *joined research with TU Munich, Budapest University of Technology and Economics and University of Madrid*).

2021-18 **Tourists' Flow Patterns Identification and Information Provision for Safe Evacuation** (principal investigator, funded by Japan Society for Promotion of Science under the "bilateral collaboration with Israel" scheme, *joined research with Bar Ilan University, Israel as well as Gifu and Nagoya University*).

2021-18 **Fair Fares for Public and Shared Transport.** (principal investigator, funded by the *Japan Society for the Promotion of Science*).

2021-18 **Mobility Management in ASEAN cities.** (co-investigator, funded by the *Japan Society for the Promotion of Science*).

2019-17 **Establishing a Fundamental Diagram for Tokyo's Urban Rail network.** (co-investigator, funded by Japan Society for the Promotion of Science, *joined research with Tokyo Institute of Technology and Tokyo University*).

2018-16 **Analysis of Shared Electric-Vehicle Demand in Toyota and Tokyo (Ha:mo).** (principal investigator, funded by *Toyota InfoTechnology Center Co.*).

2018-15 **International Comparison on the Motivation of Younger People's Car Purchase Intentions.** (co-investigator, funded by Japan Society for the Promotion of Science, *joined research with Doshisha University and Aomori Public University*).

2017-14 **Complex Transit Fare Structures: Modelling and Potential Impacts** (principal investigator, funded by the *Japan Society for the Promotion of Science,* joined research with *Tokyo University, Tokyo Institute of Technology, Gifu University and Miyazaki University*)

2017-14 **Determining Location of Charging Stations for an Electrified Delivery Vehicle Fleet in Kyoto.** (co-investigator, funded by *Volvo*)

2017-13 **Travel Time Reliability Evaluation Methods in Urban Traffic Systems** (co-investigator, funded by *Japan Society for the Promotion of Science* joined research with *Tokyo Institute of Technology*).

2014-13 **Road Networks for Earthquake Resilient Societies** (co-investigator funded by "Concert Japan": a consortium of EU and Japan partners, including MEXT and JSPS, joined research with *TU Iasi, Romania; Kassel University, Germany and Hokkaido University, Japan*).

2014-11 **Trend Effects in Vehicle Purchase and Travel Decision** (principal investigator, funded by the *Japan Society for the Promotion of Science*)

2011-10 **Stability and Adaptation of Mobility Patterns** (principal investigator, funded by *Japan Society for the Promotion of Science*)

2009-08   **Explorative Research on Strategic and Tactic Route Choice of Passengers** (co-investigator, funded by *Japan Society for the Promotion of Science*, joined research with *Gifu University.*)

2006-04   **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*)

2005-04   **The Influence of London's Congestion Charge on Shopping Activities** (funded by *John Lewis Cooperation, London, U.K.*)

2004-02   **Reliability of Metro Services** (funded by COMET, *A benchmarking project by the Railway Technology Strategy Center at Imperial College*).

2003-02   **Door-to-door transport for older and disabled people** (funded by *Transport For London*).

2003-02   **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*).

SUMMARY OF FUNDING ATTRACTION

From Academic Societies/ Project Calls	Successfully applied for funding from **Japan Society for Promotion of Science (JSPS)** in categories "General Research" as principal investigator (total value ¥40000k≈€350000); as well as co-investigator); "Young Researcher" as sole investigator (value ¥4600k), "Explorative Research" (as co-investigator). **Japan Science and Technology Agency (JST)** within the framework of the Strategic International Collaborative Research Program (SICORP) as principal investigator on "Tourists' Flow Patterns Identification and Information Provision for Safe Evacuation" and "Deep Learning Anticipated Urban Mobility Peaks" (total value ¥90000k≈€700000) **Kyoto University Special Events fund** to organise "1st International Workshop on Utilising Transit Smart Card Data for Service Planning) **Kyoto University "AIDA" funding** to initiate collaboration with German Universities (value: ¥4000k; three projects) **Start-up Fund Kyoto University** (sole investigator, value: ¥700k)

As well as successful proposal writing as lead researcher for:
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)
UK Engineering Physics Science Research Council (project values: £330000)

Other Funding Attraction	**Kyoto City Innovation Fund** (as principal investigator of three projects, value: ¥3000k)
	Hitachi Kyoto Lab (for joined research activities on exploring AI usage and transport big data, project values: ¥5000k)
	Toyota Info Technology Center Co., Ltd. (for "Harmonious Mobility (Ha:mo) related research", project values: ¥6000k)
	Transport for London (as co-investigator, project values: £200k)
	Zurich Transport Association (for consultancy work)

TEACHING

At Kyoto University (since 2010)	**Planning and Management of Social Systems** (BEng, 3rd year students)
	Transport Management (BEng, 3rd year students)
	System Analysis for Planning & Management (BEng, 2nd year students)
	Engineering Mathematics (Fourier and Laplace Transform) (BEng, 3rd year students)
	Scientific English Debate (BEng, 2nd year students)
	Introduction to Civil Engineering (BEng, 1st year students)
At Tokyo Inst. of Tech. (2010-07)	**Travel Demand Forecasting** (MSc + PhD students)
	Qualities of Transportation Networks (MSc + PhD students)
	Civil Engineering English I and II (BEng, years 2 + 3 students)
At London South Bank University (2006)	**Transport and Traffic** (MSc students)

STUDENT SUPERVISION/EXAMINATION

PhD Students	<u>Main supervisor</u> for PhD students at Kyoto University

Li Yeun-Touh, 2013-2016. Title: *"Understanding Usage Pattern and Demand Adaptation towards High Speed Rail."*

Sunio Varsolo Cornago, 2015-2018. Title: *"A mobility behavior change support system for promoting environmentally friendly travel behavior in Manila."*

Saeed Maadi, 2015-2018. Title: *"Modelling Route Choice with Complex Public Transport Fare Structures.*

Zhang Cen, 2016-2019. Title: *"Modelling the Demand Evolution of New*

Shared Mobility Services.",

Wenzhe Sun, 2017-2020 on *Modelling and predicting bunching effects in public transport networks.*

Yuhan Gao, 2018-2021 on *Estimating Tourist Flows through Wifi-Data.*

Zi-ang Yao, 2019-2022 on *Network Assignment with Free-Floating Bicycles.*

Tomoki Nishigaki, 2020-2023, Title: "*Estimation of Touristic Tour Patterns based on Aggregate Spatial Statistics*" *(in Japanese)*

Still ongoing

Jiannan Dai, since April 2021 on *Network design for electric buses*

Hyungsub Jee, since April 2021 on *Using Long-term Crowdsourced Data to estimate travel patterns*

Yue Ma, since October 2021 on *Routing Decisions of Extra-Large Trucks*

Stellah Namulindwa, since April 2023 on *Improving Equity of Transport Systems in Uganda*

Yihe Zhou, since April 2023 on *Delay Insurance Fares as Network Reliability Indicator*

Co-supervised PhD students at Kyoto University

Fajar Belgiawan, 2012-2015, Title: "*Role of Attitudes and Norms for Students Car Ownership Intention.*"

Junghwa Kim, 2011-2013, Title: "*Strategies for Increasing the Acceptability of Coercive Transport Measures.*"

Wenlong Li, 2020-2024, Title: "*Transportation Accessibility of Ancient China and its Socioeconomic Impact*"

Co-supervised PhD students at Tokyo Institute of Technology

Grace Padhayong, 2008-2011, on *Impact of Mobile Phones on Travel Behaviour.*

Jiangsha Ma, 2009-2012, on *Modelling Risk-Averse Route Choice Strategies.*

Hideki Yaginuma, 2009-2013, on *Large Scale Frequency-based Transit Assignment Models.*

External PhD Examiner

Ms. Widyarini Weningtyas, Hiroshima University, 2013, "*Optimization on Evaluations of Paratransit System by Considering Operations Efficiency and Subjective Evaluations on Driver's Quality of Life*"

Mr. Quian Fu, ITS Leeds, 2014, "*Modelling Commuters' Travel Behaviour of Route Choices on the London Underground*".

Ms. Tayebeh Saghapour, Royal Melbourne Institute of Technology, 2017, "*Accessible Neighbourhoods: Towards Active Transportation*"

Mr. Shuyang Zhang, The Hong Kong University of Science and Technology, 2018, "*Metro System Disruption Management: Substitute Bus Service Initiation, Design, Deployment and Operation*"

Mr. Mohadesh Rahbar Nodeshi, The University of Queensland,

Australia, 2019, "*Using Smart Card Data to Improve Transit Assignment by Considering Uncertainty*".

Ms. Dana Hani Abudayyeh, University of Canterbury, Christchurch, 2019, "*Improving the Sustainability of urban networks using traffic signal optimisation*".

Mr. Christian Hofer, University of Graz, 2021, "*Complex Networks and Sustainability: Modeling Mobility, Resilience and Cooperation*".

Mr. Tian Qingyun, NTU Singapore, 2021, "*Public Transit Service Modelling and Optimization: From Conventional to Autonomous Vehicles*".

Ms. Haruko Nakao, ITS Leeds, 2021, "*Stochastic process model of the evolution of providers and users in a shared on-demand ride service system*".

Ms. Lu Li, The Hong Kong University of Science and Technology, 2018, "*Optimal Mixed Bus Fleet Management Strategy for Emissions Reduction*"

Mr. Piergiorgio Vitello, Luxembourg University, 2022, "*Crowdsourced Data for Mobility Analysis*".

Mr. Jiawei Wang, McGill University Montreal, 2022, "*Multi-agent Deep Reinforcement Learning for Public Transport Vehicle Fleet Control*".

Mr. Bahman Lahoorpoor, University of Sydney, 2022, "*Terraces, Towers, Trams, and Trains: Modeling the Growth of Sydney using Agent-based Simulation*".

Mr. Sanmay Shalat, TU Delft, 2023, "*Route Choice Behaviour under Uncertainty in Public Transport Networks Stated and Revealed Preference Analyses*".

Mr. Liang Zheng, Hong University of Science and Technology, 2023, "*On Analyzing and Enhancing Walkability*".

Host supervisor of Mr Zhang Dong, PhD Candidate at Tongji University, at Kyoto University with funding from CSC (Chinese Scholarship Council) for one year (2012-13).

MSc and BEng   Main supervisor of 30 MSc students and 25 Bachelor final year projects at Kyoto University; co-supervision of graduation theses at Tokyo Institute of Technology and Imperial College London.

OTHER ACADEMIC ACTIVITIES

University internal   **Set up of new civil engineering undergraduate degree program** at Kyoto University. First undergraduate degree at Kyoto University that is taught in English. Responsibilities include determining entrance exam qualifications, student guidance, curriculum design as well as advertisement/ recruitment of students in South East Asian countries. Course webpage: http://www.s-ge.t.kyoto-u.ac.jp/int/en

Editorial	**Associate Editor** (since 2013) Journal of Intelligent Transportation Systems: Technology, Planning and Operations. Taylor & Francis, SCI listed.

Editorial Advisory Board:
Journal of Intelligent Transportation (since 2008)
Journal of Transportation and Land-Use (since 2009),
Transportation (2011-2013),
International Journal of Transportation (since 2012)
IET Intelligent Transport Systems (since 2013)
Transportmetrica B: Transport Dynamics (since 2013)
Transportation Research Part B (2016-2018)
Transport Reviews (2019-2023)
Journal of Public Transportation (since 2019)
Resilience Findings (since 2021)

Guest editor for special issues
Journal Intelligent Transportation Systems titled "Modelling Public Transport in the Era of ITS", 2016, jointly with Fonzone, A. and Viti, F. Editorial titled: "New services, new travellers, old models? Directions to pioneer public transport models in the era of big data".

Transportation titled "Transit Planning, Operation and Management in Densely Populated Areas", 2010, Vol. 37(5), jointly with Kurauchi, F. (Gifu University)

Journal of Transportation and Land-Use ("Access, Aging and Impairments", 2009, Vol. 2(1) and (2).

Journal of Intelligent Transportation Systems titled "Improving Network Reliability through ITS", 2009, Vol. 13(1); jointly with Lo, H. (Hong Kong University of Science and Technology).

Journal for Advanced Transportation titled "Importance of Public Transport", 2004, Vol. 38(1); jointly with Bell, M.G.H. (Imperial College London) and Lam, W.H.K (Hong Polytech University).

Regularly **reviewing papers** for further journals not listed above such as Transportation Research Parts, parts A, C and D, Network and Spatial Economics, Transportmetrica, Journal of Sustainable Transport; and conferences in particular ISTTT, INSTR, IATBR, and the Transportation Research Board (TRB)

Conference Scientific Committees	Founding Member of **TransitData Workshop Series** (established in 2015). Secretary for **ISC** of the **International Symposia on Transportation Network Reliability** (INSTR). Member of International Scientific Committee (**ISC**) for **Eastern Asia**

Society for Transportation Studies (EASTS). **Topic Group Chief** for Section C "Travel Demand Analysis and Forecast" for 2017 and 2019 conferences.

IEEE MT-ITS (Models and Technologies for Intelligent Transportation Systems) conference series (since 2018).

Transportation Research Board, International Member Slot, Standing Committee on Public Transportation Marketing and Fare Policy (AP030) (2018-2024)

Conference Series "**Travel Demand Management Symposia**" (since 9th edition at Edinburgh Napier University, 2019)

Conference Series **"mobil.TUM"**. International Scientific Conference on Mobility and Transport. Organised by TU Munich (since 2020).

Conference Series **"TRISTAN".** The "Triennial Symposium on Transportation Analysis" (since 2021, TRISTAN XI).

Conference Series **"MT-ITS".** The "IEEE Conference on Models and Technologies for Intelligent Transportation Systems" (since 2018, 6th MT-ITS).

Other International Research Activities	**Local Organising Committee** for the 6th International Symposia on Transportation Network Reliability (INSTR) in Nara, Japan, 1+2 August 2015, sponsored with 1 million Yen by Kyoto University).

Regional Organising Committee for the 21th International Symposium on Transportation and Traffic Theory (ISTTT); in Kobe, Japan, 5-7 August 2015).

Member of JICA's "**Enhancing Engineering Higher Education**" (EEHE) initiative in **Myanmar**. Teaching transport planning at Yangon Technical University (one week in 2014, two days in 2015) and Mandalay Technical University (2 days in 2015).

Co-Chair 1st International workshop on **Utilizing Smart Card Data for Public Transport Planning** (Gifu, Japan, 2+3 July 2014, sponsored with 1 million Yen by Kyoto University).

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 academic talks	Invited Speaker for the **40th Anniversary International Conference of the Korean Society of Transportation.** Seoul, September 2022.

Keynote at the 2020 Seoul Big Data Forum organised by University of Seoul. (December 2020, honorarium). Also speaker at the 2019 and 2021 Fora.

Speech on Smart Mobility Solutions at the "Executive Round Table" hosted by the Ministry of Economy, Innovation and Digitalisation of North Rhine Westphalia, Germany (Sept. 2019).

Podium discussant at the **Annual Meeting of the South California Government Association**. Indian Wells, California, U.S., May 3-5, 2018. (all expenses paid)

Keynote speech at IEEE ITSC "The Third International Workshop on Intelligent Public Transports - Toward the Next Generation of Urban Mobility"; Yokohama, 16 Oct. 2017.

The 7th International Public Transport Forum. organised by **Korean Transport Institute** (October 2017, all expenses paid)

Meeting of European Metropolitan Transport Authorities (EMTA), Budapest, 11-13 May 2016, partly paid.

Annual conference of ITS Korea, Busan, 31 October 2014, expenses paid by ITS Korea.

Special Lecture at **1st TransITS Training School**, Frankfurt, Germany (April 2013); all expenses paid by EU COST Action TU1004.

2012 International Planning Studio Exhibition and Forum on Planning Education; National Cheng Kung University, Taiwan (August 2012); expenses paid by NCKU.

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/honoraria for lectures at **Zhejang University, Dalian University, Trinity College Dublin, Kobe University, Nagoya University, Gifu University.**

AWARDS

2022	**JSCE "International Activity Cooperation Award" (国際活動協力賞受賞)**

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

Married to Ayako Schmöcker, nee Kaneda, with two children aged 15 and 9.

School Education	In Germany including Abitur (A-Level) in 1995 with Latin and Greek at the Ubbo-Emmius Gymanisum, Leer (Ostfr.).
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** (fluent speaking and listening; basic reading and writing).

BOOK EDITOR

Kurauchi, F. and Schmöcker, J.-D. (2017). **Public Transport Planning with Smart Card Data**. 274 pages, CRC Press (Taylor and Francis Group). ISBN 9781498726580

JOURNAL PUBLICATIONS

103. Gao, Y. and Schmöcker, J. D. (2024). **Inferring travel patterns and the attractiveness of touristic areas based on Fusing Wi-Fi sensing data and GPS traces with a Kyoto Case Study.** Transportation Research Part C. In print

102. Nishigaki, T., Schmöcker, J. D., Nakao, S. and Yamada, T. (2024). **Using entropy maximisation for establishing city-wide touristic tour patterns.** Applied Soft Computing Journal. In print

101. Dai, J., Schmöcker, J. D. and Sun, W.Z. (2024). **Analyzing demand reduction and recovery of major rail stations in Japan during COVID-19 using mobile spatial statistics.** Asian Transport Studies, 10, 100120.

100. Santiago-Iglesias, E., Schmöcker, J. D., Carpio-Pinedo, J., García-Palomares, J.C. and Sun, W.Z. (2023). **Activity Reduction as Resilience Indicator: Evidence with Filomena Data.** Findings. Section: Resilience Findings, https://doi.org/10.32866/001c.88980.

99. Jee, H., Sun, W., Schmöcker, J.-D. and Nakamura, T. (in press). **Demonstrating the feasibility of using Wi-Fi sensors for dynamic bus-stop queue length estimation**. Journal of Public Transportation.

98. Sun, W.Z., Kobayashi, H., Nakao, S. and Schmöcker, J. D. (2023). **On the relationship between crowdsourced sentiments and mobility trends during COVID-19: A case study of Kyoto.** Data Science for Transportation, 5:17 https://doi.org/10.1007/s42421-023-00080-z

97. Vongvanich, T. Sun, W. and Schmöcker, J.-D.(2023). **Explaining and predicting station demand patterns using Google Popular Times data.** Data Science for Transportation, 5(10). https://doi.org/10.1007/s42421-023-00072-z

96. Schmöcker, J.-D., Ji, J., Belgiawan, F. and Uno, N. (2023). **Evacuation Decisions during the Great East Japan earthquake**. Findings, Section: Resilience Findings, May. https://doi.org/10.32866/001c.77365.

95. Iacobucci, R., Schmöcker, J.-D. and Pruckner, M. (2023). **The demand potential of shared autonomous vehicles: a large-scale simulation using mobility survey data**. Journal of Intelligent Transportation Systems: Technology, Planning and Operations. https://doi.org/10.1080/15472450.2023.2205021

94. Shen, K, Schmöcker, J.-D., Sun, W.Z. and Qureshi, A.G. (2023). **Calibration of sightseeing tour choices considering multiple decision criteria with diminishing reward.** Transportation, 50: 1897-1921.

93. Fei, F., Sun, W., Iacobucci, R. and Schmöcker, J.-D. (2022). **Exploring the profitability of using electric bus fleets for transport and power grid services.** Transportation Research Part C, 149, 104060.

92. Yao, Z. and Schmöcker, J.-D. (2022). **Access distance to free-floating services considering uncertain availability and smartphone activeness**. Transportmetrica B: Transport Dynamics, 10.1080/21680566.2022.2129857.

91. Lai, Y., Sun, W.Z., Schmöcker, J.-D., Fukuda, K. and Axhausen, K. (2022). **Explaining a century of Swiss regional development by deep learning and SHAP values.** Environment and Planning B: Urban Analytics and City Science. https://doi.org/10.1177/23998083221116895

90. Ogata, R., Schmöcker, J.-D., Nakamura, T. and Kuwahara, M. (2022). **On the Potential of Carsharing to Attract Regular Trips of Private Car and Public Transport Users in Metropolitan Areas.** Transportation Research Part A. 163, 386-404.

89. Sabashi, K., Ben-Moshe, B., Schmöcker, J.-D., Hadas, Y. and Nakao, S. (2022). **Simulation of tourists' wayfinding during evacuation based on experiments in Kyoto.** Transportation Research Procedia, 62, 640-647. Also presented at the 24th EURO Working Group on Transportation Meeting, EWGT 2021, 8-10 September, Aveiro, Portugal, held online.

88. Sun, W., Schmöcker, J.-D., Nakao, S. and Matsuoka, N. (2022). **Restrictive and Stimulative Impacts of Covid-19 Policies on Human Mobility Trends: A Case Study of Kyoto.** Transportation Research Interdisciplinary Perspectives, 13, 100551. *Also presented in similar form at 101st Annual Meeting of the Transportation Research Board. Washington D.C., U.S.*

87. Gao, Y. and Schmöcker, J.-D. (2022). **Distinguishing Different Types of City Tourists through Clustering and Recursive Logit Models applied to Wi-Fi data.** Asian Transport Studies, 8, 100044. Also presented at the 14th International Conference of Eastern Asia Society for Transportation Studies (EASTS). September 12-15, Hiroshima, Japan. (Held online).

86. Nakao, S., Yamada, T., Okada, A. and Schmöcker, J.-D. (2022). **Attitude modification towards driving and cycling behavior using an educational video**. Policy and Practice Studies, 8(1), 21-27 (in Japanese).

85. Zhang, C., Schmöcker, J.-D and Trépanier, M. (2022). **Latent Stage Model for Carsharing Usage Frequency Estimation with Montreal Case Study.** Transportation, 49(1), 185-211. https://doi.org/10.1007/s11116-021-10173-9

84. Sun, W., Schmöcker, J.-D. and Fukuda, K. (2021) **Estimating the route-level passenger demand profile from bus dwell times**. Transportation Research Part C, 130, 103273.

83. Iacobucci, R., Bruno, R. and Schmöcker, J.-D. (2021). **Integrated optimisation-simulation framework for scalable smart charging and relocation of shared autonomous electric vehicles.** Energies, 14, 3633. https://doi.org/10.3390/en14123633.

82. Gao, Y. and Schmöcker, J.-D. (2021) **Estimation of Walking Patterns in a Touristic Area with Wi-Fi Packet Sensors**. Transportation Research Part C, 128, 103219. https://doi.org/10.1016/j.trc.2021.103219.

81. Wachtel, G., Schmöcker, J.-D., Hadas, Y., Gao, Y., Nahum, O.E. and Ben-Moshe, B. (2021). **Planning for Tourist Urban Evacuation Routes: A framework for improved data collection and evacuation process**. Environment and Planning B: Urban Analytics and City Science, 48(5), 1108-1125. https://doi.org/10.1177/2399808321994575

80. Gao, Y. and Schmöcker, J.-D. (2021). **Modelling sequential ticket booking choices during Chinese New Year**. Transportation, 48(4), 1987-2010. https://doi.org/10.1007/s11116-020-10118-8.

79. Wahaballa, A.M., Kurauchi, F., Schmöcker, J.-D. and Iwamoto, T. (2021). **Estimation of transfer time distribution parameters with automatic-fare-collection data: A stochastic frontier model**. ASCE's Journal of Transportation Engineering, Part A: Systems, 147(7): 04021031.

78. Sun, W., Schmöcker, J.-D. and Nakamura, T. (2021). **On the trade-off between sensitivity and specificity in bus bunching prediction**. Journal of Intelligent Transportation Systems: Technology, Planning and Operations, 25(4), 384-400. https://doi.org/10.1080/15472450.2020.1725887

77. Kim, J., Schmöcker, J.-D., Nakamura, T., Uno, N. and Iwamoto, T. (2020). **Integrated Impacts of Public Transport Travel and Travel Satisfaction on Quality of Life of Older People**. Transportation Research Part A: Policy and Practice, 138, 15-27. https://doi.org/10.1016/j.tra.2020.04.019

76. Maadi, S. and Schmöcker, J.-D. (2020). **Route Choice Effects of Changes from a Zonal to a Distance-based Fare Structure in a Regional Public Transport Network**. Public Transport, 12(3), 535-555. https://doi.org/10.1007/s12469-020-00239-9. Available from <https://rdcu.be/b5GKP>.

75. Zhang, C., Schmöcker, J.-D., Kuwahara, M., Nakamura, T. and Uno, N. (2020). **A diffusion model for estimating adoption patterns of a one-way carsharing system in its initial years.** Transportation Research Part A: Policy and Practice, 136, 135-150.

74. Kim, J., Tanaka, H. and Schmöcker, J.-D. (2020). **Joint Car Ownership and Car Type Preference Model considering Engagement in Online Activities and Environmental Concern**. Transportation Research Part F, 68, 293-305.

73. Ko, T., Qureshi, A.G., Schmöcker, J.-D. and Fujii, S. (2019). **Tourist Trip Design Problem considering Fatigue.** Journal of the Eastern Asia Society for Transportation Studies. Vol 13, 1233-1248. *Also presented in similar form at the 99th Annual Meeting of the Transportation Research Board. Washington D.C., U.S.*

72. Jin, Z., Schmöcker, J.-D. and Maadi, S. (2019). **On the interaction between public transport demand, service quality and fare for social welfare optimisation**. Research in Transportation Economics, 79, 100732. https://doi.org/10.1016/j.retrec.2019.05.005

71. Kim, J., Li, Y.-T. and Schmöcker, J.-D. (2019). **Regional Heterogeneity in Taiwan HSR Demand Developments: Station Accessibility and its Effect on Usage Adoption.** European Planning Studies, 27(3), 555-573. https://doi.org/10.1080/09654313.2018.1562654. Also published as chapter in "*Spatial Implications and Planning Criteria for High-Speed Rail Cities and Regions*", Routledge, edited by J. M. de Ureña, C.-L. Chen, A. Loukaitou-Sideris and R. Vickerman.

70. Waygood, O., Sun, L., and Schmöcker, J-D. (2019). **Transport Sufficiency: Case Study of Osaka.** Journal of Travel Behaviour and Society, 15, 54-62. *Also presented in similar form at the 14th International Conference on Travel Behaviour Research. Windsor, U.K., 19-23 July, 2015.*

69. Zhang, C. and Schmöcker , J-D. (2019). **A Markovian model of user adaptation with case study of a shared bicycle scheme**. Transportmetrica B, 7(1), 223-236. doi.org/10.1080/21680566.2017.1378599.

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42. Nakao, S., Kobayashi, H., Sun, W.Z. and Schmöcker, J.-D. (2023). **On the relationship between tweet sentiments and mobility trends during COVID-19: A case study of Kyoto.** 102nd Annual Meeting of the Transportation Research Board. Washington D.C., U.S.

41. Nakao, S. and Schmöcker, J.-D. (2023). **Improving Tourist Area Awareness using Bluetooth Beacons and Gamification.** 102nd Annual Meeting of the Transportation Research Board. Washington D.C., U.S. *Also accepted for 101st Meeting but withdrawn due to COVID regulations allowing us not to travel.*

40. Lai, Y., Schmöcker, J.-D., Fukuda, K. and Axhausen, K.W. (2022). **Regional development prediction by deep learning using time series data from Switzerland.** 101st Annual Meeting of the Transportation Research Board. Washington D.C., U.S. (held online).

39. Li, W., Schmöcker, J.-D., Qureshi, A.G. and Zhao, L. (2021). **Historical Transportation Accessibility of Chinese Sui-Tang Period and Its Socioeconomics Influence.** 14th International Conference of Eastern Asia Society for Transportation Studies (EASTS). September 12-15, Hiroshima, Japan. (Held online). Available from http://www.easts.info/online/proceedings/vol.13/head.htm (Paper 26).

38. Koca, D., Schmöcker, J.-D. and Fukuda, K. (2021). **Origin-destination matrix estimation by deep learning using maps with New York case study.** 7th International IEEE Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS). June 16-18, Crete, Greece. Published in IEE Xplore. doi:10.1109/MT-ITS49943.2021.9529275.

37. Iacobucci, R. and Schmöcker, J.-D. (2021). **Dynamic pricing for ride-hailing services considering relocation and mode choice.** 7th International IEEE Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS). June 16-18, Crete, Greece. Published in IEEE Xplore. doi: 10.1109/MT-ITS49943.2021.9529301.

36. Iacobucci, R., Donhauser, J., Schmöcker, J.-D. and Pruckner, M. (2021). **Frequency Control Reserve Provision from a Fleet of Shared Autonomous Electric Vehicles.** 7th International IEEE Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS). June 16-18, Crete, Greece. Published in IEEE Xplore. doi: 10.1109/MT-ITS49943.2021.9529321.

35. Shen, K, Schmöcker, J.-D. and Qureshi, A.G. (2021). **Sightseeing tour choices considering multiple satisfaction criteria: Case study with Kyoto survey data.** 100th Annual Meeting of the Transportation Research Board. Washington D.C., U.S. (held online).

34. Iacobucci, R., Bruno, R. and Schmöcker, J.-D. (2020). **Investigating the Impact of Ride Sharing on the Performance of One-way Car-sharing Systems.** 2020 IEEE 23rd International Conference on Intelligent Transportation Systems (ITSC), Rhodes, Greece, 2020, pp. 1-7, doi: 10.1109/ITSC45102.2020.9294533.

33. Maadi, S., Schmöcker, J.-D. and Hong, J. (2020). **Non-additive Fares within Congested Frequency-based Transit Assignment**. 99th Annual Meeting of the Transportation Research Board. Washington D.C., U.S.

32. Wachtel, G., Schmöcker, J.-D., Gao, Y., Nahum, O.E. and Hadas, Y. (2020). **Planning for City Tourist Evacuation Routes: Collecting and Providing Information**. 99th Annual Meeting of the Transportation Research Board. Washington D.C., U.S.

31. Matsumoto, M., Nakamura, T., Uno, N. and Schmöcker, J.-D. (2019). **Analyzing the Maneuvering of Drivers during a Takeover Request from Automated Control with Driving Simulator Experiments.** 39th Japanese Traffic Engineering Conference and accepted for publication in the Japan Society of Traffic Engineers journal. (In Japanese).

30. Sun, W. and Schmöcker, J.-D. (2019). **A Method To Classify Bus Bunching Events Using AVL Data**. 98th Annual Meeting of the Transportation Research Board. Washington D.C., U.S.

29. Zhang, C., Schmöcker, J.-D. and Trépanier, M. (2019). **Stochastic Process Based Life-Cycle Modelling For Carsharing User Behavior Change.** 98th Annual Meeting of the Transportation Research Board. Washington D.C., U.S.

28. Kim, J., Schmöcker, J.-D. and Tanaka, H. (2019). **Joined Car Ownership and Car Type Preference Model considering Social involvement, Regional Effect and Environmental Concern.** 98th Annual Meeting of the Transportation Research Board. Washington D.C., U.S.

27. Kim, J., Schmöcker, J.-D., Nakamura, T., Uno, N., Senda,T. and Iwamoto, T. (2018**). Impacts of objective and subjective mobility on Quality of Life: Focusing on preparing for super aging society.** 5th International Conference on Travel Behavior Research, July 15-20, 2018 in Santa Barbara, California, U.S.

26. Gao, Y. and Schmöcker, J.-D. (2018). **Ticket Booking Behavior under Severe Capacity Problems: Sequential Choices during Chinese New Year.** 5th International Conference on Travel Behavior Research, July 15-20, 2018 in Santa Barbara, California, U.S.

25. Kuwahara, M., Yoshioka, A., Honma, Y., Uno, N., Nakamura, T. and Schmöcker, J.-D. (2018). トリップチェーン内における ワンウェイ型カーシェアリングのトリップ種別モデル化と利用実態分析**.** (Analysis of Trip Types when One-Way Car Sharing is used within a trip chain.) Japanese Society for Civil Engineering, Proceedings D3. (土木学会論文集 D3, 土木計画学）74(5), p. I_1187-I_1195. https://doi.org/10.2208/ jscejipm.74.I_1187. Also presented at the 56th Japan Infrastructure Planning Conference (Autumn Meeting), Iwate, Japan. November 3-5. (In Japanese).

24. Nakayama, T., Nakamura, T., Uno, N. and Schmöcker, J.-D. (2017). 商用車プローブデータを用いた潜在的事故危険性の把握手法の構築**. (Analysis of Potential Accident Risks Using Cargo Commercial Probe Vehicle Data)**. 土木学会論文集 D3（土木計画学）特集号 Vol.73 No.5（土木計画学研究・論文集 34 巻）. *Also presented at the 54th Japan Infrastructure Planning Conference (Autumn Meeting), 4-6 November 2016, Nagasaki, Japan.* (In Japanese).

23. Watanabe, Y., Nakamura, T., Schmöcker, J.-D., Uno, N. and Iwamoto, T. (2017). **Adjusting Bus Timetables Considering Observed Delays and Passenger Numbers.** Proceedings of IEEE ITSC 2017; 20th International Conference on Intelligent Transportation Systems, Yokohama, Japan, October 16 – 19.

22. Sunio, V., Schmöcker, J.-D. and Estuar, R. (2017). **Implementation of a mobility behavior change support system in Manila Philippines.** Proceedings of IEEE ITSC 2017;

20th International Conference on Intelligent Transportation Systems, Yokohama, Japan, October 16 – 19.

21. Sunio, V., Schmöcker, J.-D., Estuar, R., Dela Cruz, B.-L. and Torres, M.J. (2017). **Development And Usability Evaluation Of Blaze Information System For Promoting Sustainable Travel Behaviour In Metro Manila.** Journal of the Eastern Asia Society for Transportation Studies (EASTS). 12, 2428-2443.

20. Li, Y.-T., Iwamoto, T., Schmöcker, J.-D., Nakamura, T. and Uno, N. (2017). **Analyzing Long-term Travel Behaviour: A comparison of Smart Card Data and Graphical Usage Patterns.** 11th International Conference on Transport Survey Methods, Estérel, Québec Canada, September 24-29 and published in Transportation Research Procedia, 32, 34-43.

19. Nakamura, T., Schmöcker, J.-D., Fujii, A., Sun, W. and Uno, N. (2017). **Location Optimization of Charging Stations for Electric Fleet Truck Based on Given Tour Patterns.** 96th Annual Meeting of the Transportation Research Board. Washington D.C., U.S.

18. Zhang, C. and Schmöcker, J.-D. (2017). **A Markovian Model of User Adaptation With Case Study of a Shared Bicycle Scheme**. 96th Annual Meeting of the Transportation Research Board. Washington D.C., U.S.

17. Sunio, V. and Schmöcker, J.-D., Estuar, R., Torres, M. and Robosa, K. (2016). **Development of BLAZE: A mobility behavior change support system for promoting environmentally friendly travel behavior in Manila.** 14th World Conference on Transport Research (WCTR) Shanghai, China.

16. Nakamura, T., Uno, N., Nakamura, N., Schmöcker, J.-D. and Iwamoto, T. (2016). **Urban Public Transport Mileage Cards: Analysis of their potential with smart card data and an SP survey.** 95th Annual Meeting of the Transportation Research Board. Washington D.C., U.S. *Also presented in similar form at Threadbo, Santiago, Chile, September 2015.*

15. Schmöcker, J.-D. and Sun, W. (2016). **Considering Passenger Choices and Overtaking in the Bus Bunching Problem.** 95th Annual Meeting of the Transportation Research Board. Washington D.C., U.S.

14. Teo, S.E., Schmöcker, J.-D., Florin, L., Li, Y.-T., Yamazaki, H., Qureshi, A.G., Atanasiu, G. and Taniguchi, E. (2015). **Evaluating Disaster Network Resilience with an Agent-based Evacuation Model.** 6th International Symposium on Transportation Network Reliability (INSTR), August 2015, Nara, Japan.

13. Belgiawan, P.F., Schmöcker, J.-D., Abou-Zeid, M., Walker,J. and Fujii, S. (2015). **The Role of Expectation of Others on Students' Likelihood to Buy a Car.** 94th Annual Meeting of the Transportation Research Board. Washington D.C., U.S.

12. Fonzone, A. and Schmöcker, J-D. (2014). **Performance of route suggestions in networks with correlated link congestion.** EWGT2013 – 16th Meeting of the EURO Working Group on Transportation. Lisbon, Portugal, July 2013. Available from: Procedia – Social and Behavioural Sciences 111, 800-809.

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

10. 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.** 12th World Conference on Transportation Research (WCTR), 12-15 July, Lisbon, Portugal.

9. Schmöcker, J-D., Pettersson, P. and Fujii, S. (2010). **On the Influence of Psychological Factors and Beliefs on the Acceptance of Coercive Policies.** 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.*

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

7. 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 in similar form at the 11th International Conference on Mobility and Transport for Elderly and Disabled Persons (TRANSED), Montréal, Canada, June 2007.*

6. 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**. 87th Annual Meeting of the Transportation Research Board, Washington D.C., U.S., January 2008.

5. 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**. 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.*

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

3. 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**. 84th Annual Meeting of the Transportation Research Board, Washington D.C., U.S., January 2005.

2. 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). Hamamatsu, Japan. Best Paper Award.

1. 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 PAPERS AND PRESENTATIONS
(Papers for which only (extended) abstracts are reviewed, or full papers without strict review process).

164. Zhou, Y., Sun, W. and Schmöcker, J.-D. (2023). **Public transport fare strategies with delay insurance to improve travel time reliability.** 9th International Symposium on Transport Network Resilience. Hong Kong, 13-14 December.

163. Lu, Q.-L., Sun, W., Dai, J., Schmöcker, J.-D. and Antoniou, C. (2023). **Surrogate modeling for recovery measures optimization to improve traffic resilience.** 9th International Symposium on Transport Network Resilience. Hong Kong, 13-14 December.

162. Sun, W.Z. Schmöcker, J.-D., Santiago-Iglesias, E., Romanillos-Arroyo, G. and García-Palomares, J. C. (2023). **Measuring the impacts of built environment on the resilience of urban activity participation for different social groups: Case studies of Kyoto and Madrid during COVID-19.** 27th International Conference of Hong Kong Society for Transportation Studies (HKSTS), 11-12th December 2023, Hong Kong.

161. Kusayama, M., Nakao, S., Sun, W.Z. Schmöcker, J.-D., Fukuda, K. and Yamada, T. (2023). **Quantifying long-term social and economic impacts of infrastructure development using Graph Convolutional Networks.** 27th International Conference of Hong Kong Society for Transportation Studies (HKSTS), 11-12th December 2023, Hong Kong.

160. Ma, Y., Schmöcker, J.-D., Nakao, S. and Sun, W.Z. (2023). **Route Choice Analysis of Oversized Trucks in Osaka-Kobe Area Using Binomial Logit and Recursive Logit Models.** 27th International Conference of Hong Kong Society for Transportation Studies (HKSTS), 11-12th December 2023, Hong Kong.

159. Namulindwa, S., Schmöcker, J.-D., Nakao, S. and Sun, W.Z. (2023). **Crowd Estimation and Prediction using Wi-Fi Sensor data: An On-Campus Experiment.** 27th International Conference of Hong Kong Society for Transportation Studies (HKSTS), 11-12th December 2023, Hong Kong. *Also presented in similar form at the 11th International Symposium on Travel Demand Management, 18-20 September 2023 at KNUST, Kumasi, Ghana (hybrid).*

158. Kusayama, M., Sun, W., Nakao, S., Schmöcker, J.-D. and Yamada, T. (2023). **A Study on Prediction of Infrastructure Improvement Effects Using Graph Convolutional Neural Networks.** (グラフ畳み込みニューラルネットワークを用いたインフラ整備効果の予測に関する研究). 68th Japan Infrastructure Planning Conference (Autumn Meeting), Tokyo, Japan. November 24-26 (In Japanese).

157. Jee, H., and Schmöcker, J.-D. (2023). **Building passenger trips using crowdsourced public transit data and comparing regional travel patterns**. 68th Japan Infrastructure Planning Conference (Autumn Meeting), Tokyo, Japan. November 24-26.

156. Ma, Y., Schmöcker, J.-D., Nakao, S., Sun, W.Z. and Yamada, T. (2023). **An exploratory analysis of the influence of origin and destination points and road characteristics on route choice for special vehicles using a recursive logit model.** 68th Japan Infrastructure Planning Conference (Autumn Meeting), Tokyo, Japan. November 24-26.

155. Namulindwa, S. and Schmöcker, J.-D. (2023). **Assessing time dependent paratransit fare affordability using Lorenz curves and Gini coefficients.** 11th International Symposium on Travel Demand Management, 18-20 September 2023 at KNUST, Kumasi, Ghana (hybrid).

154. Santiago-Iglesias, E., Romanillos-Arroyo, G., Sun, W.Z., García-Palomares, J. C., Sun, W.Z., Schmöcker, J.-D., Mallo, J., Sánchez-Cauce, R. and Cantu-Ros, O.G. (2023). **Urban nightlife recovery: An Analysis of the Effects of the COVID-19 Pandemic based on Mobile Phone Network Data.** 62nd Congress of the European Regional Science Association (ERSA). 28th August - 1st September, Alicante, Spain.

153. Ma, Y., Sun, W.Z. Schmöcker, J.-D., Nakao, S., Yamada, T. and Qureshi, A. G. (2023). **Influencing Factors Analysis for Oversized Truck Route Choice Problem Using Trajectory Clustering & Discrete Choice Model.** 5th Bridging Transportation Researchers Conference (BTR #5). Held online. https://bridgingtransport.org/

152. Bi, M., Sun, W.Z. Schmöcker, J.-D., Ma, Y., Moya-Gomez, B. and Nakao, S. (2023). **Using geo-tagged tweets for understanding temporal and spatial activity distribution in Kyoto.** 15th International Conference of Eastern Asia Society for Transportation Studies (EASTS)., Kuala Lumpur, Malaysia, September 4-7. Also presented in similar form in Japanese at 67th Japan Infrastructure Planning Conference (Autumn Meeting), Fukuoka, Japan. June 3-4.

151. Escribano Macias, J.J., Qureshi, A., Schmöcker, J.-D. and Angeloudis, P. (2023). **Endogenous stochastic optimisation framework for drone-assisted earthquake evacuation.** Dynamics of Disasters, July 3-6, Athens, Greece.

150. Dai, J., Sun, W., Schmöcker, J.-D., Lu, Q. and Antoniou, C. (2023). **On the resilience of railway station demand in response to unexpected events: A case study of Japan in COVID-19.** Euro Working Group on Transportation – EWGT2023. 6-8 September, Santander, Spain. *Best paper award.*

149. Lu,, Q., Dai, J., Sun, W., Schmöcker, J.-D. and Antoniou, C. (2023). **An MFD-Based Optimization Approach to Improve Transportation System Resilience under Infrastructure Disruptions.** Euro Working Group on Transportation – EWGT2023. 6-8 September, Santander, Spain.

148. Keler, A., Sun, W. and Schmöcker, J.-D. (2023). **Generating and Calibrating a Microscopic Traffic Flow Simulation Network of Kyoto – First Insights from Simulating Private and Public Transport**. SUMO User Conference 2023. May 2-4, Berlin, Germany.

147. Matsuoka, N., Schmöcker, J.-D., Nishigaki, T., Nakao, S., Yamada, T. and Qureshi, A.G. (2022). 商用車プローブデータを用いた特殊車両の経路選択特性に関する基礎的検討. **(Fundamental Study on Route Selection Characteristics of Special Vehicles Using Commercial Vehicle Probe Data.)** 66th Japan Infrastructure Planning Conference (Autumn Meeting), Okinawa, Japan. November 11-13 (In Japanese).

146. Nishigaki, T., Schmöcker, J.-D., Yamada, T. and Nakao, S. (2022). 観光者数に基づく観光行動推定手法に関する基礎的研究. **(Basic research on methods for estimating tourist behaviour based on the number of tourists).** 66th Japan Infrastructure Planning Conference (Autumn Meeting), Okinawa, Japan. November 11-13 (In Japanese).

145. Ma, Y., Schmöcker, J.-D., Sun, W.Z., Nakao, S., Yamada, T. and Qureshi, A.-G. (2022). **Analysis of Influencing Factors In Oversized Truck Route Choice Using GPS Trajectory Clustering.** 66th Japan Infrastructure Planning Conference (Autumn Meeting), Okinawa, Japan. November 11-13.

144. Zhou, Y., Schmöcker, J.-D. and Sun, W.Z. (2022). **Fare Strategies with Premium Service to Improve Travel Time Reliability. 66th Japan Infrastructure Planning Conference** (Autumn Meeting), Okinawa, Japan. November 11-13.

143. Namulindwa, S., Schmöcker, J.-D., Nakao, S. and Sun, W.Z. (2022). **Emergent Prospects of Wi-Fi Sensor Data In Crowd Density Modelling and Prediction; An on-campus experiment.** 66th Japan Infrastructure Planning Conference (Autumn Meeting), Okinawa, Japan. November 11-13.

142. Gao, Y. and Schmöcker, J.-D. (2022). **Inferring city-scale tours based on Wi-Fi sensing with aid of a small sample of GPS footprints.** 16th International Conference on Travel Behaviour Research (IATBR). December 11 - 15, Santiago, Chile.

141. Jee, H., Schmöcker, J.-D., Barbeau, S., Lozano, W. and Barbeau, S. (2022). **Constructing Trips and Tours from a Public Transport Trip Planning Application.** 15th International Conference on Advanced Systems in Public Transport (CASPT). 6-10 November, Tel Aviv, Israel.

140. Vongvanich, T. Sun, W. and Schmöcker, J.-D.(2022). **Explaining station demand patterns using Google Popular Times data.** 15th International Conference on Advanced Systems in Public Transport (CASPT). 6-10 November, Tel Aviv, Israel. Also presented in shorter form at: 4th International KEC Conference, Kantipur Engineering College, Nepal, online.

139. Fei, F., Iacobucci, R., Sun, W. and Schmöcker, J.-D. (2022). **Exploring the Feasibility and Profitability of using Electric Bus Fleets for Power Grid Services.** 6th Conference on Sustainable Urban Mobility – CSUM2022, 31 August- 2 September, Skiathos, Greece.

138. Fei, F., Iacobucci, R. and Schmöcker, J.-D. (2022). **Allocation Optimization of an Electric Bus Fleet providing Power Grid Services.** mobil.TUM 2022 - 12th International Scientific Conference on Mobility and Transport, 5-7 April, Singapore.

137. Jee, H., Sun, W. and Schmöcker, J.-D. (2021). **Estimation of Bus Line Specific Waiting Times Using Wi-Fi Signal Data**. 7th International Symposium on the Use of Public Transit Automated Data for Planning and Operations (TransitData2021). Held online.

136. Yao, Z. and Schmöcker, J.-D. (2021). **Variance in access distance to free-floating services considering uncertain availability.** 8th International Conference on Transport Network Reliability (Stockholm, 24-26 June, held online). Also presented in similar form at 4th International KEC Conference, Kantipur Engineering College, Nepal, online.

135. Hadas, Y., Ben-Moshe, B., Wachtel, G., Nahum, O., Schmöcker, J.-D., Sabashi, K. and Gao, Y. (2021). **Assessing the navigation error characteristics of residents and tourists during evacuation – a combined simulation and virtual reality approach.** 8th International Conference on Transport Network Reliability (Stockholm, 24-26 June, held online).

134. Zhou, Y., Schmöcker, J.-D. and Yamada, T. (2021). **Modeling the competition and cooperation between car sharing and public transportation with Kyoto case study.** Annual Meeting of the JSCE Kansai Branch, Japan. Held online.

133. Sawada, K., Nakao, S., Schmöcker, J.-D., Yamada, T. and Sabashi, K. (2021). **An Analysis of the Factors Contributing to the Occurrence of Accidents at Dusk**. (薄暮時における消灯事故の発生要因に関する分析). Annual Meeting of the JSCE Kansai Branch, Japan. (In Japanese). Held online.

132. Matsuoka, N., Sun, W., Nakao, S., Schmöcker, J.-D. and Yamada, T. (2021). **A Time Series Analysis of the Impact of COVID-19 on Kyoto.** (COVID-19 が京都に与えた影響に関する時系列分析.) Annual Meeting of the JSCE Kansai Branch, Japan. (In Japanese).

131. Okamuro, T., Nakao, S., Schmöcker, J.-D. and Yamada, T. (2020). **Traffic accident severity analysis focused on negative atmospheric pressure change.** 25th International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 12-14. Postponed to 2021.

130. Kobayashi, H., Zhang, C., Schmöcker, J.-D., Nakao, S. and Yamada, T. (2021). **Markovian Analysis of tourist tours based on Travel App Data from Kyoto, Japan.** 25th International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 12-14.

129. Wachtel, G., Schmöcker, J.-D., Hadas, Y., Gao, Y., Nahum, O. and Ben-Moshe, B. (2020). **Planning for Tourist Urban Evacuation Routes: Collecting and Providing Information**. ADBI-Purdue University-University of Tokyo Virtual Workshop on Resilience of Cities to External Shocks: Analysis, Modeling, and Economic Impacts. 27-28 October 2020, ADBI, Tokyo. Online.

128. Iacobucci, R. and Schmöcker, J.-D. (2020). **Scalable charging optimization for Shared Autonomous Electric Vehicles with dynamic electricity pricing**. 39th Conference of the Japan Society for Energy and Resources. Osaka, July. (Held online).

127. Sun, W., Schmöcker, J.-D., Fukuda, K. and Nakamura, T. (2020). **Estimating Route-Level Passenger Demand Profiles from Bus AVL Data.** 6th International Symposium on the Use of Public Transit Automated Data for Planning and Operations (TransitData2020). Online.

126. Jee, H., Schmöcker, J.-D. and Nakamura, T. (2020). **Estimation and Prediction of Queues at Bus Stops Using Wi-Fi Signal Data.** 6th International Symposium on the Use of Public Transit Automated Data for Planning and Operations (TransitData2020). Online.

125. Okada, A., Yamada, T. and Schmöcker, J.-D. (2020). **Attitude Change Towards Car and Bicycle Usage through Videos, Media and Information from Others**. (動画媒体による自動車と自転車の利用態度の変容と交通問題解消に対する他者依存性). 61st Japan Infrastructure Planning Conference (Spring Meeting), Osaka, Japan. June 13-14. (In Japanese). Online.

124. Kobayashi, H. and Schmöcker, J.-D. (2020). **Study on Person Flows in Touristic Attraction Areas Using GPS Data**. (GPS データを用いた観光地における観光客流動に関する研究). Annual Meeting of the JSCE Kansai Branch, Japan. (In Japanese). Online.

123. Kuwahara, M., Yoshioka, A., Ogata, R., Schmöcker, J.-D., Uno, N. and Nakamura, T. (2019). **Evaluating Public Transport and One-way Carsharing Systems Synergy Considering Profits and Accessibility Improvements.** 24th International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 14-16.

122. Sun, W. and Schmöcker, J.-D. (2019). **Using AVL Data to Predict Bunching Considering Sensitivity and Specificity.** 60th Japan Infrastructure Planning Conference (Autumn Meeting), Toyama, Japan. Nov. 30 – Dec. 2.

121. Ogata, R., Schmöcker, J.-D., Uno, N. and Nakamura, T. and Kuwahara, M. (2019). **Development of a one-way car sharing selection model considering the evaluation of mobility convenience. (**移動利便性の評価を考慮したワンウェイ型カーシェアリング選択モデルの構築**).** 60th Japan Infrastructure Planning Conference (Autumn Meeting), Toyama, Japan. Nov. 30 – Dec. 2. (In Japanese).

120. Zhang, C., Schmöcker, J.-D., and Trépanier, M. (2019). **Carsharing Adoption Modelling for New Service Adding: A Case Study in Montreal**. 3rd International Symposium on Multimodal Transportation. Singapore, 6-7 Dec, 2019.

119. Jin, Z. and Schmöcker, J.-D. (2019). **Shared and Mass Transit Operational Strategies in Radial Cities with Many-to-One-Demand**. 3rd International Symposium on Multimodal Transportation. Singapore, 6-7 Dec, 2019.

118. Yao, Z. and Schmöcker, J.-D. (2019). **Equilibrium Assignment Issues with free-floating bicycles**. 3rd International Symposium on Multimodal Transportation. Singapore, 6-7 Dec, 2019.

117. Gao, Y. and Schmöcker, J.-D. (2019). **Tourist Route Choices and Short-Term Flow Predictions in Tourist Areas Based on Wi-fi Packet Data**. International Choice Modelling Conference (ICMC2019), Kobe, Japan, Aug 19-21. Also presented in similar form at the 60th Japan Infrastructure Planning Conference (Autumn Meeting), Toyama, Japan. Nov. 30 – Dec. 2.

116. Belgiawan, F., Schmöcker, J.-D. and Nasution, R.A. (2019). **Influence of parents on their children's car choice: A comparative study of Japanese and Indonesian data.** International Choice Modelling Conference (ICMC2019), Kobe, Japan, Aug 19-21.

115.   Amr, M.W., Kurauchi, F., Schmöcker, J.-D., Hemdan, S. and Iwamoto, T. (2019). **Transit Travel Time Distributions Estimation Based on Passive AFC Data**. TransitData 2019, Paris, France, 8-10 July.

114.   Sun,W., Schmöcker, J.-D. and Fukuda, K. (2019). **Transit Real-time estimation of bus passenger OD patterns based on AVL data**. TransitData 2019, Paris, France, 8-10 July.

113.   Fukuda, K., Maadi, S., Shen, K. and Schmöcker, J.-D. (2019). **Extraction of public transportation networks from Openstreetmap data and estimation of OD patterns through a graph convolutional approach**. TransitData 2019, Paris, France, 8-10 July. Also presented in similar form at the 60th Japan Infrastructure Planning Conference (Autumn Meeting), Toyama, Japan. Nov. 30 – Dec. 2. (In Japanese).

112.   Schmöcker, J.-D., Maadi, S. and Fonzone, A. (2019). **Optimal non-additive distance-based public transport fare structures**. 9th Int. Symposium on Travel Demand Management, Edinburgh, U.K., June 19-21.

111.   Lai, Y., Schmöcker, J.-D. and Yamada, T. (2019). **Marginal increasing pricing to mitigate the negative impacts of autonomous vehicles.** 9th Int. Symposium on Travel Demand Management, Edinburgh, U.K., June 19-21. Also presented in similar form at Annual Meeting of the JSCE Kansai Branch, May 25, Osaka, Japan.

110.   Shen, K., Schmöcker, J.-D., Gao, Y. and Qureshi, A. (2019). **Estimation of city tourism tours with survey data from Kyoto.** 9th Int. Symposium on Travel Demand Management, Edinburgh, U.K., June 19-21. Also presented in similar form at the 60th Japan Infrastructure Planning Conference (Autumn Meeting), Toyama, Japan. Nov. 30 – Dec. 2.

109.   Nishida, S., Yamada, T. and Schmöcker, J.-D. and Ogata, R. (2019). **Comparative analysis of urban area goods flow survey results for implementation of effective logistics measures.**有効な物流施策の実施に向けた都市圏物資流動調査結果の比較分析. Annual Meeting of the JSCE Kansai Branch, May 25, Kobe, Japan. (In Japanese).

108. Okada, A., Yamada, T. and Schmöcker, J.-D. (2019). 動画コンテンツを用いた自動車と自転車の利用態度の変容と交通問題解決への他者依存性. Annual Meeting of the JSCE Kansai Branch, May 25, Kobe, Japan. (In Japanese).

107. Tanaka, M., Schmöcker, J.-D. and Maadi, S. (2018). **Evaluation of Public Transportation Fare Systems Considering Equity Concepts.** 23rd International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 8-10.

106. Utsumi, Y., Schmöcker, J.-D. and Nakamura, T. (2018). **Analysis on the Impact of Bus Frequency Reductions on Commuters Using Smartcard Data.** 23rd International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 8-10.

105. Ogata, R., Schmöcker, J.-D., Nakamura, T. and Kuwahara, M. (2018). **One-Way Car Sharing Station Demand Analysis Considering Public Transport Availability.** 23rd International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 8-10.

104. Amr, M.W., Kurauchi, F., Schmöcker, J.-D. and Iwamoto T. (2018). **Rail-to-Bus and Bus-to-Rail Transfer Time Distributions Estimation Based on Passive Data**. 14th International Conference on Advanced Systems in Public Transport (CASPT). Brisbane, Australia, 23-25 July.

103. Jin, Z., Schmöcker, J.-D. and Maadi, S. (2018). **Using Continuous Approximation for Service Quality and Fare Level Optimisation**. 14th International Conference on Advanced Systems in Public Transport (CASPT). Brisbane, Australia, 23-25 July.

102. Maadi, S., and Schmöcker, J.-D. (2018). **Theoretical Evaluation on the Effects of Changes from a Zonal to a Distance-based Fare Structure.** 14th International Conference on Advanced Systems in Public Transport (CASPT). Brisbane, Australia, 23-25 July.

101. Sun, W., Schmöcker, J.-D., Nakamura, T. and Shimamoto, H. (2018). **Bus Bunching Prediction Based on GPS Data: Kyoto Case Study**. 4th International Workshop on Research and Applications on the Use of Passive Data from Public Transport (TRANSIT DATA). Brisbane, Australia, 23-25 July.

100. Utsumi, Y., Schmöcker, J.-D. and Nakamura, T. (2018). **Fundamental Analysis of Changes in Users' Bus Choice Behavior after a Decrease in Bus Service.** (バス運行本数減少後の利用者のバス選択行動の推移に関する基礎的分析). Annual Meeting of the JSCE Kansai Branch, June 16-17, Kobe, Japan. (In Japanese).

99. Tanaka, M. and Schmöcker, J.-D. (2018). **A Proposal of Evaluation Method for Public Transportation Fare System Considering Fairness.** (公平性を考慮した公共交通運賃制度評価手法の提案). Annual Meeting of the JSCE Kansai Branch, June 16-17, Kobe, Japan. (In Japanese).

98. Maadi, S., Schmöcker, J.-D. and Nakamura, T. (2017). **Distance-Depending Non-Linear Fares Within Frequency-Based Transit Assignment.** 22nd International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 9-11.

97. Nakagawa, K., Nakamura, T., Schmöcker, J.-D. and Uno, N. (2017). **Effects Of Subsidised Passes on the bus usage of Elderly: An Analysis with Smart Card Data.** 22nd International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 9-11.

96. Matsumoto, M., Nakamura, T., Uno, N., Schmöcker, J.-D. and Higatani, A. (2017). **Driving Simulator Experiment on Speed Reduction During Earthquake on an Urban Expressway.** 22nd International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 9-11.

95. Nishigaki, T., Schmöcker, J.-D., Nakamura, T., Uno, N., Kuwahara, M. and Yoshioka, A. (2017). **Evaluation of one-way car-sharing systems using accessibility indicators. (**アクセシビリティ指標を用いたワンウェイ型カーシェアリングシステムの評価**).** 56th Japan Infrastructure Planning Conference (Autumn Meeting), Iwate, Japan. November 3-5. (In Japanese).

94. Zhang, C., Schmöcker, J.-D., Nakamura, T., Uno, N., Kuwahara, M. and 吉岡 顕 (2017). **Modeling adoption and diffusion of a new transportation system on station level**. 56th Japan Infrastructure Planning Conference (Autumn Meeting), Iwate, Japan. November 3-5.

93. Sunio, V., Schmöcker, J.-D., Kim, J. and Estuar, R. (2017). **Understanding the stages and pathways of travel behaviour change induced by technology based intervention among university students.** 56th Japan Infrastructure Planning Conference (Autumn Meeting), Iwate, Japan. November 3-5.

92. Iwamoto, T., Li, Y.-T., Nakamura, T., Schmöcker, J.-D., and Uno, N. (2017). **A Study on the Differences in Perceptions of Long-Term Use of Public Transportation using Traffic IC Card Information and Questionnaire Surveys**. (交通系 IC カード情報とアンケート調査における公共交通長期利用の認識差異に関する基礎的研究.) 56th Japan Infrastructure Planning Conference (Autumn Meeting), Iwate, Japan. November 3-5. (In Japanese).

91. Kim, J. Li, Y.-T. and Schmöcker, J.-D. (2017). **Impacts of station accessibility and regional heterogeneity on HSR ridership**. International Congress on High Speed Rail. Ciudad Real, Spain, October 4-6.

90. Kim, J. Li, Y.-T., Schmöcker, J.-D. and Demizu, F. (2017). **Regional diffusion and adoption effects on HSR demand expansion**. International Congress on High Speed Rail. Ciudad Real, Spain, October 4-6.

88. Nishihara, N., Schmöcker, J.-D., Kim, J., Nakamura, T. and Uno, N. (2017). **Understanding intergenerational relationship in car ownership desire: The influence of parents on young people.** International Conference on Environmental Psychology (ICEP 2017). A Coruña, Spain, August 30 – September 2.

87. Sunio, V., Schmöcker, J.-D., Estura, R., Gotangco, C.K. and Favis, A. M. (2017). **Development and Evaluation of BLAZE Information System.** International Conference on Environmental Psychology (ICEP 2017). A Coruña, Spain, August 30 – September 2.

86. Jin, Z., Schmöcker, J.-D., Maadi, S., Nakamura, T. and Uno, N. (2017). **Public Transport Fare Optimisation in Model Cities**. 55th Japan Infrastructure Planning Conference (Spring Meeting), Ehime, Japan. June 10-11. *Presented also in similar form at Annual Meeting of the JSCE Kansai Branch, May 27-28, Osaka, Japan.*

85. Nishihara, N., Schmöcker, J.-D., Uno, N. and Nakamura, T. (2017). **Parents' Influence on Young People's Attitudes Toward Automobiles**. (若者の自動車に対する態度における両親の影響). Annual Meeting of the JSCE Kansai Branch, May 27-28, Osaka, Japan. (In Japanese).

84. Wahaballa, A., Kurauchi, F., Schmöcker, J.-D., Nakamura, T. and Iwamoto, T. (2017). **Utilising AFC Data to Estimate Passengers' rail-to-bus transfer time distribution.** 3rd TransitData International Workshop and Symposium. May 21-23, Santiago, Chile.

83. Nakamura, T., Nakagawa, K., Uno, N. Schmöcker, J.-D. and Iwamoto, T. (2017). **An analysis on the usage of buses by the elderly focusing on silver pass with smart card data.** 3rd TransitData International Workshop and Symposium. May 21-23, Santiago, Chile.

82. Watanabe, Y., Uno, N., Nakamura, T. and Schmöcker, J.-D. (2017). **Creating Bus Timetables Considering Observed Delays and Passenger numbers.** 3rd TransitData International Workshop and Symposium. May 21-23, Santiago, Chile.

81. Nishihara, N., Belgiawan, F., Kim, J., Schmöcker, J.-D. and Axhausen, K. (2017). **Identifying the relationship between parents' and child's car attitudes: For long-term management of car ownership.** 17th Swiss Transportation Research Conference. May 17-19, Monte Verità, Ascona, Switzerland.

80. Maadi, S. and Schmöcker, J.-D. (2017). **Modelling Approaches for Nonlinear Fare Structures in Frequency-Based Public Transport Assignment.** (Modellierungsansätze für Nichtlineare Tarifsysteme in Linienfeinen ÖV-Umlegungsverfahren.) HEUREKA 17. March 22-23, Stuttgart, Germany. (In German).

79. Nishigaki, T., Schmöcker, J.-D., Nakamura, T. and Uno, N. (2016). **User Characteristics of a College Bicycle Sharing Scheme.** (大学内コミュニティサイクルの利用者属性に関する基礎的研究). 4th Japan Infrastructure Planning Conference (Autumn Meeting), November 4-6, Nagasaki, Japan. (In Japanese).

78. Mukuye, C., Uno, N. and Schmöcker, J.-D. (2016). **Demonstration of Applicability of Qualitative Data in Origin-Destination Matrix Estimation**. 54th Japan Infrastructure Planning Conference (Autumn Meeting), November 4-6, Nagasaki, Japan.

77. Fujii, A., Nakamura, T., Uno, N. and Schmöcker, J.-D. (2016). **Study on the Layout of EV Charging Facilities For Delivery Trucks Considering Current Battery Capacities**. (物流車両の走行実態を踏まえた EV 充電施設配置計画手法に関する研究). 14th ITS Japan Symposium, Sapporo, Japan. (In Japanese).

76. Schmöcker, J.-D., Maadi, S. and Tominaga, M. (2016). **Calibration of a metro specific trip distribution model with smart card data**. TransitData2016, the 2nd International Workshop on Automated Data Collection Systems. Boston, August 8-9.

75. Nakamura, T., Shimizu, A., Schmöcker, J.-D. and Uno, N. (2016). **Explaining passengers' bus stop choice using smart card data**. TransitData2016, the 2nd International Workshop on Automated Data Collection Systems. Boston, U.S., August 8-9.

74. Iwamoto, T., Nakamura, T., Makimura, K., Uno, N. and Schmöcker, J.-D. (2016). **An Empirical Investigation of Schedule Delay Propagation along a Bus Route**. TransitData2016, the 2nd International Workshop on Automated Data Collection Systems. Boston, U.S., August 8-9.

73. Amr, M. W., Kurauchi, F. Yamamoto, T. and Schmöcker, J.-D. (2016). **Estimating transit travel time components based on smart card data and operational records.** TransitData2016, the 2nd International Workshop on Automated Data Collection Systems. Boston, U.S., August 8-9.

72.   Kawakami, R., Nakamura, T., Yamazaki, T., Uno, N. and Schmöcker, J.-D. (2016). **Transport Mode Decisions of Tourists Coming to Kyoto.** (京都観光時における来訪者の交通手段選択要因に関する基礎的研究.) Annual Meeting of the JSPS Kansai Branch, June 11, Osaka, Japan. (In Japanese).

71.   Nishigaki, T., Schmöcker, J.-D., Nakamura, T. and Uno, N. (2016). **Are campus bicycle sharing schemes useful? An analysis with Kyoto University data.** 21st International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 10-12. Also presented in shortened form titled "京都大学吉田地区学内シェアサイクルシステムの利用者行動パターンに基づく類型化分析" at the Annual Meeting of the JSCE Kansai Branch, June 11, Osaka, Japan. (In Japanese).

70.   Niwa, K., Nakamura, T., Yamazaki, T., Uno, N. and Schmöcker, J.-D. (2016). **Web-survey on the Possibility of Shifting Departure Times of Highway Users through Incentives.** WEB アンケート調査による高速道路利用時刻調整協力意向に関する研究. Annual Meeting of the JSCE Kansai Branch, June 11, Osaka, Japan. (In Japanese).

69.   Zhang, C., Schmöcker, J.-D. and Nakamura, T. (2016). **Modelling adaption to a new transport mode: Case study of Kyoto University's bicycle share system.** 53rd Japan Infrastructure Planning Conference (Spring Meeting), May 27-28, Sapporo, Japan.

68.   Ji, J., Schmöcker, J.-D., Begiawan, F., Yamazaki, H. and Uno, N. (2016). **Comparison of Approaches to Modelling Field Effects: Tohoku Evacuation Case Study.** 53rd Japan Infrastructure Planning Conference (Spring Meeting), May 27-28, Sapporo, Japan.

67.   Iwamoto, T., Nakmura, T., Uno, N., Schmöcker, J.-D. and Watanabe, Y. (2016). **A basic study into travel and shopping behaviour using IC Card data**. (IC カードを用いた交通・買い物行動動態に関する基礎的研究). 53rd Japan Infrastructure Planning Conference (Spring Meeting), May 27-28, Sapporo, Japan. (In Japanese).

66.   Senda, T., Uno, N., Nakmura, T., Schmöcker, J.-D. and Iwamoto, T. (2016). **Empirical Analysis of Travel Behaviour and Life Satisfaction of Elderly People**. (高齢者の生活満足度と IC カードに基づく交通行動実態に関する実証的分析). 53rd Japan Infrastructure Planning Conference (Spring Meeting), May 27-28, Sapporo, Japan. (In Japanese).

65.   Nakamura, N., Nakamura, T., Uno, N., Schmöcker, J.-D. And Iwamoto, T. (2015) **Stated Preference Survey Regarding the Possibility to Promote Public Transportation Usage by a Point Service.** (利用意向調査に基づく交通・購買連動型ポイントサービスによる利用促進の可能性). 52nd Japan Infrastructure Planning Conference (Autumn Meeting), November 21-23, Akita, Japan. (In Japanese).

64.   Sun, W. and Schmöcker, J.-D. (2015) **Bus Propagation under Consideration of Passenger Choice between Bunched Buses**. 52nd Japan Infrastructure Planning Conference (Autumn Meeting), November 21-23, Akita, Japan.

63.   Li, Y-T. and Schmöcker, J.-D. (2015) **An MNL Analysis with High Speed Rail "Long-Term Usage Patterns"**. 52nd Japan Infrastructure Planning Conference (Autumn Meeting), November 21-23, Akita, Japan.

62. Watanabe, Y., Nakamura, T., Uno, N. and Schmöcker, J.-D. (2015). **Estimation of Passengers Alighting at a Bus Stop Based on Smart Card Data Using Baysian Networks**. 0th International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 2015.

61. Ji, J., Teo, J., Schmöcker, J.-D., Li, Y.-T. and Yamazaki, H. (2015). **Evacuation modelling considering bridge failures and field effects.** 51st Japan Infrastructure Planning Conference (Spring Meeting), June 6-7, Fukuoka, Japan.

60. Nagao, B., Shimamoto, H., Nakamura, T., Uno, N., Schmöcker, J-D. and Yamazaki, H. (2014) **Evaluation of a Tsunami Evacuation Plan Considering Car Usage Rates.** (自動車利用と避難開始時間帯を考慮した津波避難計画の評価). 49th Japan Infrastructure Planning Conference (Spring Meeting), June 7-8, Sendai, Japan. (In Japanese).

59. Li, Y.-T. and Schmöcker, J.-D. (2014). **Demand Impact of Access Links to Taiwan High Speed Rail**. 19th International Conference of Hong Kong Society For Transportation Studies (HKSTS).

58. Kim, J., Schmöcker, J-D., Fujii, S. (2013). **The Influence of Personality on the Acceptability of Transport Policy.** 10th Biennial Conference on Environmental Psychology, Magdeburg, Germany, September 22-25.

57. Kim, J., Schmöcker, J-D., Fujii, S. (2013). **Can Sustainable Transport Attitudes be Taught.** 10th Biennial Conference on Environmental Psychology, Magdeburg, Germany, September 22-25.

56. Schmöcker, J-D., Shimamoto, H. and Kurauchi, F. (2013). **Estimation of Transit Hyperpaths with Smartcard data.** 47th Japan Infrastructure Planning Conference (Spring Meeting), June 7-8, Hiroshima, Japan. (In Japanese).

55. Belgiawan, P.F., Schmöcker, J-D. and Fujii, S. (2013). **Mass Effect and Car Ownership Motivations of Students in Jakarta and Bandung, Indonesia.** 47th Japan Infrastructure Planning Conference (Spring Meeting), June 7-8, Hiroshima, Japan. (In Japanese).

54. Zhang, D., Schmöcker, J-D. and Yang, X. (2013). **Perceived Service Quality and Its Influence on Bike Sharing System Usage: Case Study from Shanghai.** 47th Japan Infrastructure Planning Conference (Spring Meeting), June 1-2, Hiroshima, Japan. (In Japanese).

53. Shimamoto, H., Kurauchi, F. and Schmöcker, J-D. (2012). Overview on Possibilities for Travel Behavior Analysis with Smart Card data. (スマートカードデータを用いた公共交通利用者行動分析の可能性). 45th Japan Infrastructure Planning Conference (Spring Meeting), June 1-2, Kyoto, Japan. (In Japanese).

52. Belgiawan, P.F., Schmöcker, J-D. and Fujii, S. (2012). **Effects of Peer Influence, Satisfaction and Regret on Car Purchase Desire.** 3rd International Conference on a Sustainable Future for Human Security (SUSTAIN), November 4-5. *Procedia Environmental Sciences 17 (2013), 485 – 493.*

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

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

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

48. Komukae, A., Schmöcker, J-D. and Fujii, S. (2012). **UK-Japan Comparison on Bicycle Illegal Usage and Bicycle Image. (自転車の違法行為とイメージに関する日英調査研究.)** 44th Japan Infrastructure Planning Conference (Autumn Meeting), November 25-27, Gifu, Japan. (In Japanese).

47. 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.** 12th Conference on Advanced Systems for Public Transport (CASPT), July 2012. Also presented in similar form at the 44th Japan Infrastructure Planning Conference (Autumn Meeting), November 25-27, Gifu, Japan. (In Japanese).

46. Belgiawan, P.F., Schmöcker, J-D. and Fujii, S. (2011). **First motorcycle than car: Psychological Determinants for Vehicle Purchase Decisions.** 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.*

45. 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.** 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.*

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

43. Hemdam, S. M. H., Chen, S.-Y., Kurauchi, F. Schmöcker, J-D., Fukuda, D. and Shimamoto, H. (2011). **Analysis of commuters' route choice behaviour in a transit network based on London's Oystercard Data.** 2nd Behavior in Networks Workshop, Seoul University, 17-18 June 2011.

42. 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**. 15th International Conference of the Hong Kong Society for Transportation Studies (HKSTS), December 2010.

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

40. 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.** 12th World Conference on Transport Research, Lisbon, Portugal, 11-15 July 2010.

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

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

37. Schmöcker, J.-D. (2010). **Decision Principles for Routing Strategies: Games against nature and demon.** 4th International Symposium on Transportation Network Reliability, Minneapolis, U.S, July 2010.

36. Shimamto, H., Kurauchi, F., Schmöcker, J.-D., and Bell, M.G.H. (2010). **Evaluation of the Travel Time Reliability of Public Transportation Using a Transit Assignment Model Incorporating the Vehicle Capacity and the Correlation among Vehicles**. 4th International Symposium on Transportation Network Reliability, July 2010, Minneapolis, U.S.

35. Shimamto, H., Kurauchi, F., Schmöcker, J.-D. (2010). **Reliability Evaluation of Public Transport taking into account vehicle capacity and route correlation**. (車両容量と路線相関を考慮した公共交通の所要時間信頼性評価). 41st Japan Infrastructure Planning Conference (Spring Meeting), June, Japan. (In Japanese).

34. Fonzone, A., Schmöcker, J-D. and Bell, M.G.H. (2010). **Potentially optimal paths and route choice in networks with delay.** 5th IMA Conference on Mathematics in Transport, April 2010, London, U.K.

33. Shimamoto, H., Kurauchi, F. and Schmöcker, J.-D. (2009). **Development of a Transit Assignment Model Considering the Bunching Effect**. Proceedings of the International Conference on Civil and Enviromental Engineering, CD-ROM, 2009.

32. Schmöcker, J-D. (2009). **Risk averse routing strategies under some information: Combining Game Theory and the Expected Value Principle**. 13th Symposium on Reliability And System Safety, University of Electro-Communications (UEC). Chofu, Tokyo, 27th February 2009.

31. Yaginuma, H., Fukuda, D., Schmöcker, J.-D. and Kurauchi, F. (2009). **Creating Paths Sets for Transit Assignment: A Study with Tokyo Data.** 40th Conference of Infrastructure Planning of the Japanese Society of Civil Engineers (JSCE), Kanazawa, Japan, 21-23 November. (In Japanese).

30. Shimamoto, H., Kurauchi, F. Schmöcker, J.-D. Murayama, N. (2009). **A Bus Route Network Design Decision Model Considering Passenger Behavior** (乗客行動を考慮したバス路線網決定モデル), 40th Conference of Infrastructure Planning of the Japanese Society of Civil Engineers (JSCE), Kanazawa, Japan, 21-23 November, Autumn Meeting. (In Japanese).

29.   Shimamoto, H., Kurauchi, F. Schmöcker, J.-D. (2009). **Development of a Transit Assignment Model Considering Correlation of Vehicles' Arrivals** (車両到着に関する相関を考慮した乗客配分モデルの開発). 39th Conference of Infrastructure Planning of the Japanese Society of Civil Engineers (JSCE), Tokushima, Japan, 13-14 June, Spring Meeting. (In Japanese).

28.   Schmöcker, J.-D., Bell, M.G.H., Kurauchi, F. and Fonzone, A.   (2009). **Assignment under consideration of seat availability: An application to London's underground network.** 2nd International Scientific Conference on Mobility and Transport (mobil.TUM 2009). Munich, Germany. 12 – 13 May 2009.

27.   Schmöcker, J.-D., Bell, M.G.H., Kurauchi, F. and Shimamto, H.   (2009). **Frequency-Based Transit Assignment With Consideration of Seat Availability.** 11th International Conference on Advanced Systems for Public Transport (CASPT 09). Hong Kong, July 2009.

26.   Shimamto, H., Kurauchi, F., Schmöcker, J.-D., and Bell, M.G.H. (2009). **Transit Assignment Considering the Inter-dependence of Line Arrival Times.** 11th International Conference on Advanced Systems for Public Transport (CASPT 09). Hong Kong, July 2009.

24.   Schmöcker, J.-D., Ilgaz, R. and Bell, M.G.H. (2008). **Traffic Control: Current Systems and Future Vision of Cities.** 37th Conference of Infrastructure Planning of the Japanese Society of Civil Engineers (JSCE), Sapporo, Japan, 6-7 June 2008.

23.   Schmöcker, J.-D., Noland, R.B., Su, F. and Bell, M.G.H. (2008). **Travel Decisions of Older People: Effects of Mobility Impairments and Urban Form**, mobil.TUM. International Conference on Mobility and Transport. Munich, Germany, 8-9 April 2008.

22.   Schmöcker, J.-D., Wijeyewickrema, A. and Kusakabe, O. (2008). **Civil Engineering English Classes at Tokyo Tech: Improving English Communication and Presentation Skills**, 3rd International Research Engineering Conference, Cebu, Philippines, March 13-15.

21.   Schmöcker, J.-D., Su, F. and Noland, R. B. (2008). **An Analysis of Trip Chaining Among Older London Residents**, 40th Universities Transport Study Group Conference (UTSG), Southampton, U.K, 3-5 January 2008.

20.   Schmöcker, J.-D. Shimamoto, H., Kurauchi, F., and Bell, M.G.H. (2007). **Passenger Flow Control in Congested Transit Networks.** 12th International Conference of Hong Kong Society For Transportation Studies, Hong Kong, 8-10 December 2007.

19.   Schmöcker, J.-D., Ilgaz, R. and Bell, M.G.H. (2007). **City Comparison Project – Presentation of Results**, Special Session 58 of the 14th World Congress on Intelligent Transportation Systems, Beijing, China, 9-13 October 2007.

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