

Dr Johannes Müller

Publications

All publications are listed and linked on my Google Scholar profile.

AIT Austrian Institute of Technology: Traffic modelling, urban analysis [since 2021]

- Johannes Müller, Markus Straub, Gerald Richter, and Christian Rudloff. Integration of different mobility behaviors and intermodal trips in MATSim. *Sustainability*, 14(1):428, 2022
- Johannes Müller, Markus Straub, Asjad Naqvi, Gerald Richter, Stefanie Peer, and Christian Rudloff. Matsim Model Vienna: Analyzing the socioeconomic impacts for different fleet sizes and pricing schemes of shared autonomous electric vehicles. In Ijad Madisch, Sören Hofmayer, and Horst Fickenscher, editors, *Proceedings of the 100th Annual Meeting of the Transportation Research Board*, Washington DC, 2021. Transportation Research Board

Singapore-ETH Centre: Citizen Design Science [2016–2019]

- Johannes Müller. Evaluation methods for citizen design science studies: How do planners and citizens obtain relevant information from map-based e-participation tools? *ISPRS International Journal of Geo-Information*, 10(2):48, 2021
- Johannes Mueller, Shiho Asada, and Ludovica Tomarchio. Engaging the crowd: Lessons for outreach and tool design from a creative online participatory study. *International Journal of E-Planning Research (IJEPR)*, 9(2):66–79, 2020
- Pieter Herthogs, Fabien Clavier, Katja Knecht, Johannes Mueller, Zuzana Drillet, Yufan Miao, Kateryna Konieva, Aike Steentoft, Gerhard Schrotter, Reinhard Koenig, et al. Big data informed urban design and governance. In *Future Cities Laboratory: Indicia 02*, pages 99–136. Lars Müller Publishers, 2019
- Ludovica Tomarchio, Stéphanie Hasler, Pieter Herthogs, Johannes Mueller, Bige Tunçer, and Peijun He. Using an online participation tool to collect relevant data for urban design. *Proceedings of 24th CAADRIA 2019*, pages 747–756, 2019
- Johannes Mueller, Hangxin Lu, Artem Chirkin, Bernhard Klein, and Gerhard Schmitt. Citizen Design Science: A strategy for crowd-creative urban design. *Cities*, 72:181–188, 2018
- Hangxin Lu, Jiaxi Gu, Jin Li, Yao Lu, Johannes Müller, Wenwen Wei, and Gerhard Schmitt. Evaluating urban design ideas from citizens from crowdsourcing and participatory design. In *Proceedings of the 23rd CAADRIA Conference*, pages 297–306, 2018

- Johannes Mueller, Yingying Jiang, and Bernhard Klein. Towards micro-design patterns for sustainable cities by harnessing crowd wisdom of citizens. *Proceedings of the UIA 2017 Seoul*, 2017
- Johannes Mueller and Hangxin Lu. Designing with citizens: Challenges and evaluation methods for crowd-sourced urban layouts. In *CAID IJCAI*, pages 34–39, 2017

University of the Federal Armed Forces Munich: Free-floating Carsharing [2012–2016]

- Johannes Müller, Gonçalo Correia, and Klaus Bogenberger. An explanatory model approach for the spatial distribution of free-floating carsharing bookings: A case-study of German cities. *Sustainability*, 9(7):1290, 2017
- Klaus Bogenberger, Simone Weikl, Stefan Schmöller, and Johannes Müller. *Entwicklung und Nutzungsstruktur von Carsharing-Systemen in Deutschland*. Hannover: Verlag der ARL-Akademie für Raumforschung und Landesplanung, 2016
- Johannes Mueller, Stefan Schmoeller, and Flemming Giesel. Identifying users and use of (electric-) free-floating carsharing in Berlin and Munich. In *2015 IEEE 18th International Conference on Intelligent Transportation Systems*, pages 2568–2573. IEEE ITS, 2015
- Johannes Müller and Klaus Bogenberger. Explanatory variables for the varying demand of free-floating carsharing. In *Proceedings of the hEART 2015 conference*, Kopenhagen, 2015
- Johannes Müller and Klaus Bogenberger. Time series analysis of booking data of a free-floating carsharing system in Berlin. *Transportation Research Procedia*, 10:345–354, 2015
- Stefan Schmöller, Simone Weikl, Johannes Müller, and Klaus Bogenberger. Empirical analysis of free-floating carsharing usage: The Munich and Berlin case. *Transportation Research Part C: Emerging Technologies*, 56:34–51, 2015
- Johannes Müller, Stefan Schmöller, and Klaus Bogenberger. Empirische datenanalyse von free floating car sharing-systemen. In *Straßenverkehrstechnik*, Cologne, 2014. FGSV
- Stefan Schmöller, Simone Weikl, Johannes Müller, and Klaus Bogenberger. Empirical data analysis of free-floating carsharing systems. In *Transportation Research Board 93rd Annual Meeting*, Washington DC, 2014. Transportation Research Board