Publications

My publications are listed and linked on

- my Google Scholar profile,
- my ResearchGate profile,
- my Scopus profile, and
- my ORCID profile.

Blue highlighted are conference presentations.

Technical University of Munich: traffic modelling, autonomous vehicles, tradable credit schemes [since 2023]

- Sebastian Hörl, Arthur Burianne, Elena Natterer, Roman Engelhardt, and Johannes Müller. Towards a replicable synthetic population and agent-based transport model for Bavaria. In *23rd International Conference on Practical applications of Agents and Multi-Agent Systems*, Lille, France, 2025. Springer
- Isabella Waldorf, Philipp Servatius, Johannes Müller, and Klaus Bogenberger. Evaluating tradable mobility credits for CO2 reduction: insights from a 4-week-trial of the MobilityCoins system. In *Transportation Research Symposium*, Rotterdam, The Netherlands, 2025. Transportation Research Symposium
- Isabella Waldorf, Allister Loder, Johannes Müller, Victoria Dahmen, and Klaus Bogenberger. Potential for commuting demand management: Analysis of day-to-day modal variability based on a one-year GPS-tracking dataset. In *Transportation Research Board 104th Annual Meeting*, Washington DC, 2025. Transportation Research Board

AIT Austrian Institute of Technology: Traffic modelling, urban analysis [since 2019]

- Jernej Tiran, Joshua Grigsby, Valentin Gebhardt, Nicolina Kirby, Ulrich Leth, Florian Lorenz, and Johannes Müller. Superblocks between theory and practice: insights from an international e-delphi process and urban living labs in vienna and berlin. *Urban Research & Practice*, pages 1–23, 2025
- Yun-Pang Flötteröd, Johannes Müller, Daniel Krajzewicz, Jakob Erdmann, and Christian Rudloff. Exploring the influences of automated shuttles on mobility pattern and traffic system at different granularity levels. In *2024 Winter Simulation Conference (WSC)*, pages 158–169. IEEE, 2024
- Johannes Müller, Eyad Nassar, Markus Straub, and Ana Tsui Moreno. Exploring the dynamics of dynamic ride-sharing: insights from a sensitivity analysis with an agent-based simulation. *Transportation*, pages 1–22, 2024

- Mark Nieuwenhuijsen, Audrey de Nazelle, Marta Cirach Pradas, Carolyn Daher, Angel Dzhambov, Cynthia Echave, Stefan Gössling, Tamara Iungman, Haneen Khreis, Nicolina Kirby, Ulrich Leth, Florian Lorenz, Vlatka Matkovic, Johannes Müller, Laia Palència, Evelise Pereira Barboza, Sasha Khomenko, Katherine Pérez, Lambed Tatah, Jernej Tiran, Cathryn Tonne, and Natalie Mueller. The Superblock model: A review of an innovative urban model for sustainability, liveability, health and well-being. *Environmental Research*, 2024
- Johannes Müller, Eyad Nassar, Markus Straub, and Ana Tsui Moreno Chou. Embedding dynamic ridesharing into an agent-based traffic simulation: A sensitivity analysis. In *Transportation Research Board 103rd Annual Meeting*, Washington DC, 2024. Transportation Research Board
- Stefanie Peer, Johannes Müller, Asjad Naqvi, and Markus Straub. Introducing shared, electric, autonomous vehicles (SAEVs) in sub-urban zones: simulating the case of Vienna. *Transport Policy*, 2023
- Asjad Naqvi, Stefanie Peer, Johannes Müller, and Markus Straub. The spatial–temporal exposure to traffic-related particulate matter emissions. *Transportation Research Part D: Transport and Environment*, 123:103899, 2023
- Johannes Müller, Markus Straub, and Martin Stubenschrott. Superblock implementation in an agent-based simulation for the case of Vienna. In *Proceedings of 51th ETC European Transport Conference*, Milan, 2023. ETC European Transport Conference
- Johannes Müller, Markus Straub, Martin Stubenschrott, and Anita Graser. Simulation of a full-scale implementation of superblocks in Vienna. In *Proceedings of 15th ITS European Congress*, Lisbon, 2023. ITS European Congress
- 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 *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
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- 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
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