

Dr. Anna Straubinger – Publikationen vor September 2022

Journalveröffentlichungen

- A. Straubinger, E.T. Verhoef, H.L.F. de Groot, "Going electric: Environmental and welfare impacts of urban ground and air transport", *Transportation Research Part D*, 102 (2022), 103146, <https://doi.org/10.1016/j.trd.2021.103146>, 2022.
- M. Fu, A. Straubinger, J. Schaumeier, "Scenario-based Demand Assessment of Urban Air Mobility in the Greater Munich Area", In : *AIAA AVIATION 2020 FORUM*. AIAA AVIATION 2020 FORUM, Reno, Nevada, USA (virtual event), 2020. <https://doi.org/10.2514/6.2020-3256>
- A. Straubinger, E.T. Verhoef, H.L.F. de Groot, "Will urban air mobility fly? The efficiency and distributional impacts of UAM in different urban spatial structures", *Transportation Research Part C: Emerging Technologies*, Volume 127, <https://doi.org/10.1016/j.trc.2021.103124>, 2021.
- A. Straubinger, J. Michelmann, T. Biehle, "Business model options for passenger urban air mobility", *CEAS Aeronautical Journal*, 2021, 12 (2), p. 361-380, <https://doi.org/10.1007/s13272-021-00514-w>, 2021.
- C. Al Haddad, M. Fu, A. Straubinger, K. Ploetner, C. Antoniou, "Choosing Suitable Indicators for the Assessment of Urban Air Mobility: A Case Study of Upper Bavaria, Germany", *European Journal of Transport and Infrastructure Research (EJTIR)*, <https://doi.org/10.18757/ejtir.2020.20.4.4464>, 2020.
- K. O. Ploetner, C. Al Haddad, C. Antoniou, F. Frank, M. Fu, S. Kabel, C. Llorca, R. Moeckel, A. T. Moreno, A. Pukhova, R. Rothfeld, M. Shamiyeh, A. Straubinger, H. Wagner, Q. Zhang, "Long-term application potential of urban air mobility complementing public transport: an upper Bavaria example", *CEAS Aeronautical Journal*, *CEAS Aeronautical Journal*, 1-17, <https://doi.org/10.1007/s13272-020-00468-5>, 2020.
- A. Straubinger, R. Rothfeld, M. Shamiyeh, K.-D. Buechter, J. Kaiser, K.O. Ploetner, "An Overview of Current Research and Developments in Urban Air Mobility - Setting the Scene for UAM Introduction", *Journal of Air Transport Management*, <https://doi.org/10.1016/j.jairtraman.2020.101852>, 2020.
- C. Al Haddad, E. Chaniotakis, A. Straubinger, K. Ploetner, C. Antoniou, "Factors affecting the adoption and use of urban air mobility", *Transportation Research Part A*, Volume 132, p. 696-712, 2020.
- R. Rothfeld, A. Straubinger, A. Paul, C. Antoniou, "Analysis of European Airports' Access and Egress Travel Times using Google Maps", *Transport Policy*, 81, 148-162, 2019.
- A. Straubinger, S. Tucharaktschiew, G. Hirte, "On-Street vs. Off-Street Parking: An Urban Economic Analysis", *Zeitschrift für Verkehrswissenschaft*, Vol. 89, 2018, No. 1, pp. 68-95, 2018.

Buchbeiträge

- A. Straubinger, U. Kluge, M. Fu, C. Al Haddad, K. Ploetner, C. Antoniou, "Identifying Demand and Acceptance Drivers for User Friendly Urban Air Mobility Introduction", Towards User-Centric Transport in Europe 2, Lecture Notes in Mobility, pp 117-134, 2020.
- R. Rothfeld, A. Straubinger, M. Fu, C. Al Haddad, C. Antoniou, "Chapter 13: Urban air mobility", Demand for Emerging Transportation Systems, Ed. 1, pp. 267-284, 2019.

Konferenzpapiere

- J. Schaumeier, M. Shamiyeh, A. Straubinger, "It's a long way up: Quantifying opportunities and hurdles for VTOL manufacturers", Deutscher Luft- und Raumfahrtkongress 2021, <https://doi.org/10.25967/550050>, 2022.
- A. Straubinger, J. Schaumeier, K. Plötner, „A roadmap for urban air services“, DICUAM 2022, Delft, 2022.
- A. Straubinger, F. Helmchen, K. Plötner, J. Kaiser, "Proposing a Scenario-based Estimation of Global Urban Air Mobility Demand", AIAA Aviation 2021, <https://arc.aiaa.org/doi/10.2514/6.2021-3207>, 2021.
- J. Michelmann, A. Straubinger, A. Becker, C. Al Haddad, K. O. Ploetner, M. Hornung, "Urban Air Mobility 2030+: Pathways for UAM - Scenario Based Analysis", Deutscher Luft- und Raumfahrtkongress 2020, online, 2020.
- A. Straubinger, R. Rothfeld, "Identification of Relevant Aspects for Personal Air Transport System Integration in Urban Mobility Modelling", 7th Transport Research Arena (TRA), Vienna, Austria, 2018.

Konferenzpräsentationen (Ausschnitt)

- A. Straubinger, E.T. Verhoef, H.L.F. de Groot, "Urban Air Mobility in a Polycentric City – the Welfare and Environmental Impact of Passenger Drones", ITEA 2021, Annual Conference of the International Transportation Economics Association (ITEA), 2021.
- A. Straubinger, E. T. Verhoef, H.L.F. de Groot, "The Impact of Novel Mobility Solutions on Related Markets – An Urban Air Mobility Assessment Using a General Equilibrium Model", Gesellschaft für Regionalforschung, Matrei, Austria, 2020.
- A. Straubinger, M. Fu, "Identification of Strategies How Urban Air Mobility Can Improve Existing Public Transport Networks", mobil.TUM 2019, Munich, 2019.
- A. Straubinger, E. T. Verhoef, H. L. F. de Groot, "Why does the Spatial Distribution of Income Matter for UAM Introduction?", ITEA Conference, Paris, FR, 2019.
- A. Straubinger, Erik T. Verhoef, Kay O. Plötner, "Options for a Welfare Analysis of Urban Air Mobility", ITEA 2018, Hong Kong, 2018.
- A. Straubinger, "Policies Addressing Possible Urban Air Mobility Market Distortions – a First Discussion", mobil.TUM 2018, München, 2018.

Invited Talks

Panelist at ILA 2022, Session on Politics & Industry – Stronger together AAM Advancing Regulation

Panelist at ITS World Congress 2021, Session on Urban Air Mobility

Presentation at an Online-Workshop on the acceptance of drones and urban air mobility amongst the German population , organized by Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR) on 2. Dezember 2020

Panelist at first Workshop on Urban Air Mobility in Future Transport Environments, mobil.TUM 2019, Munich

Sonstiges

A. Straubinger, "The long-run effects of urban air mobility - An urban spatial equilibrium assessment", Ph.D. Thesis, Vrije Universiteit Amsterdam, Amsterdam, Netherlands, 2022.

ITF, "Ready for Take Off? Integrating Drones into the Transport System", ITF Research Reports, OECD Publishing, Paris, 2021.