




## PERSONAL INFORMATION

Dl<sup>in</sup> Barbara Laa, BSc

 TU Wien  
Institute of Transportation  
Research Unit of Transport Planning and Traffic Engineering  
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 <https://www.tuwien.at/cee/transport/planning>  
[Publications \(TU Wien\)](#)  
[Publications \(ResearchGate\)](#)

Year 1991 | Nationality Austrian

## WORK EXPERIENCE

since 05/2018

**University Assistant**

TU Wien, Research Unit of Transport Planning and Traffic Engineering

- Research and Teaching in the field of transport and sustainable city development with a focus on transport modelling and System Dynamics

09/2022 – 11/2022

**Guest researcher**

ENTPE – CNRS - University of Lyon, France

- Transport, Urban Planning and Economics Laboratory (LAET - Laboratoire Aménagement Économie Transport)
- Study on the cancellation of the road construction project „Anneau des Sciences“

07/2022 – 08/2022

**Guest researcher**

Radboud University Nijmegen, Netherlands

- Research group „Research & Intervention Methodology“ at the Department of Geography, Spatial Planning and Environment

06/2012 – 04/2018

**Part-time Employee Project Development**

STC-Swiss Town Consult Development GmbH, Vienna

- Project development for sustainable real estate and urban development projects
- Feasibility studies | Cost estimation | Scheduling | Technical drawing

08/2017 – 10/2017

**Research Intern**

Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya

- Project in cooperation with ESA – Researching economic value of water & biomass in Mara Basin
- GIS | Hydraulic analyses | Literature research

04/2010 – 06/2012

**Freelance Collaborator Project Management**

ILF Consulting Engineers Austria GmbH, Vienna

- Project management of buildings and renewable energies
- Cost estimation | Technical drawing | Administration

08/2009 – 09/2009

**Research Intern**

TU Wien, Research Center of Structural Concrete

- Preparation, execution, analysis and reporting of experiments

## EDUCATION AND TRAINING

- 
- since 06/2018 **Doctoral programme in Civil Engineering** EQR 8  
TU Wien  
Analysing the impact of a sustainable mobility guarantee
- 10/2015 – 01/2018 **Master Programme Civil Engineering Science** EQR-7  
TU Wien  
  - Focus on “Transport & Mobility” and “Structural engineering”
  - Graduated with distinction
- 10/2009 – 10/2015 **Bachelor Programme Civil Engineering** EQR- 6  
TU Wien
- 02/2015 – 06/2015 **Exchange Semester**  
INSA Lyon, France

## VOLUNTEERING

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- Since 11/2019 **Board member Junge ÖVG**  
Junge ÖVG (Young Austrian Society for Traffic and Transport Science)  
  - Organizing networking events, career day, excursions
- 04/2020 – 06/2022 **Speaker “Platz für Wien”**  
Citizens’ initiative “Platz für Wien“  
  - Official speaker for the initiative
  - Campaign and petition for a fairer allocation of road space in the city of Vienna
  - Member of working group transport and climate policy
- 11/2017 – 12/2017 **Coral Reef Conservation**  
REEFolution Foundation, Shimoni, Kenya  
  - Volunteering programme in cooperation with the local community and Wageningen University
  - Underwater experiments | Growth analysis | Maintenance & Construction of coral nurseries
- 10/2014 – 09/2016 **Online Mentor**  
TU Wien, Genderfair  
  - Mentor for female students in Civil Engineering
- 05/2014 – 11/2014 **Part – Project Manager**  
Project “Hypotopia” - Milliardenstadt  
  - Self-initiated protest project by students for the design of a city for 19 billion EUR and public exhibition of a concrete model in the scale 1:100 | [www.milliardenstadt.at](http://www.milliardenstadt.at)
  - Responsible for cost estimate and logistics of the model construction

PERSONAL SKILLS

Mother tongue German

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B2	C1	B2	B2	B2

Project Management Certification PMP – Project Management Professional

ADDITIONAL INFORMATION

Publications

- Laa, B., & Pfaffenbichler, P. (2022). Modelling the effect of a nationwide mobility service guarantee on travel behaviour using the strategic model MARS. In *ETC Conference Papers*. European Transport Conference 2022, Milan, Italy.
- Laa, B., Shibayama, T., Brezina, T., Schönfelder, S., Damjanovic, D., Szalai, E., & Hammel, M. (2022). A nationwide mobility service guarantee for Austria: possible design scenarios and implications. *European Transport Research Review*, 14(1), 1-11. DOI: [10.1186/s12544-022-00550-5](https://doi.org/10.1186/s12544-022-00550-5)
- Shibayama, T., Sandholzer, F., Laa, B., Brezina, T. (2021). Impact of COVID-19 lockdown on commuting: a multi-country perspective. *European Journal of Transport and Infrastructure Research*, Vol. 21 (2021), No. 1; S. 70 - 93. DOI: [10.18757/ejtir.2021.21.1.5135](https://doi.org/10.18757/ejtir.2021.21.1.5135)
- Laa, B., Frey, H., Haselsteiner, E., Danzer, L., Biegelbauer, P., Friessnegg, T. (2021). Mobilitätswende in den Köpfen - Zur Einleitung von Transformationsprozessen im Verkehrswesen. *dérive. Zeitschrift für Stadtforschung*, Nr. 83, S. 27 - 32.
- H. Frey, B. Laa (2021). Disruptive Changes in the Transport System - From Car-regime to Sustainability. In: *Road and Rail Infrastructure VI, Proceedings of the Conference CETRA 2020*, S. Lakusic (Hrg.). ISBN: 978-953-8168-48-2; S. 919 - 927.
- Laa, B., Leth, U. (2020). Survey of E-scooter users in Vienna: Who they are and how they ride. *Journal of transport geography*, 89, 102874. DOI: [10.1016/j.jtrangeo.2020.102874](https://doi.org/10.1016/j.jtrangeo.2020.102874)
- Moran, M., Laa, B., Emberger, G. (2020). Six scooter operators, six maps: Spatial coverage and regulation of micromobility in Vienna, Austria. *Case Studies on Transport Policy*, Volume 8 (2020), Issue 2; S. 658 - 671. DOI: [10.1016/j.cstp.2020.03.001](https://doi.org/10.1016/j.cstp.2020.03.001)
- Frey, H., Laa, B., Haselsteiner, E., Madner, V., Grob, L., Schwaigerlehner, K. (2020). The Vertical Urban Factory Concept and Sustainable Transport-Prototypes for European Cities. *Put i saobraćaj (Journal of Road and Traffic Engineering)*, Vol 66 (2020), No 1; S. 1 - 8. DOI: [10.31075/PIS.66.01.01](https://doi.org/10.31075/PIS.66.01.01)
- Laa, B., & Emberger, G. (2020). Bike sharing: Regulatory options for conflicting interests–Case study Vienna. *Transport Policy*, 98, 148-157. DOI: [10.1016/j.tranpol.2020.03.009](https://doi.org/10.1016/j.tranpol.2020.03.009)

Reviewer for (since)

- European Transport Research Review (2022)
- Journal of Transport Geography (2021)
- Journal of Traffic and Transportation Engineering (2020)

Awards and scholarships

- French Government scholarship for short-term research stays and doctoral studies 2022
- Christiana Hörbiger Award, 2022 – TU Wien award promoting the international mobility of young scientists
- VCÖ Mobility Award Austria 2022, category research and scientific studies, project „FLADEMO - Flächendeckende Mobilitäts-Servicegarantie“
- “Heute for Future“-Award 2022, first place in the category civil society, initiative “Platz für Wien”
- VCÖ Mobility Award Austria 2021, category digitization, project “StreetTUner”
- ÖGUT-Umweltpreis 2020, main prize category participation and civil society engagement, initiative “Platz für Wien”
- VCÖ Mobility Award Vienna 2020, initiative “Platz für Wien”
- Winner of Student Idea Contest „17. Salzburger Verkehrstage“ of Forum Mobil, 2019, Salzburg
- „Best Speaker“ in Civil Engineering - Vienna young Scientists Symposium 2017, Vienna