


## PERSONAL INFORMATION

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

 TU Wien  
Institute of Transportation  
Research Center of Transport Planning and Traffic Engineering  
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 [https://www.fvv.tuwien.ac.at/home/  
Publications \(TU Wien\)  
Publications \(ResearchGate\)](https://www.fvv.tuwien.ac.at/home/Publications(TUWien)Publications(ResearchGate))

Year 1991 | Nationality Austrian

## WORK EXPERIENCE

since 05/2018

**University Assistant**

TU Wien, Research Center 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

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

08/2007

**Intern Marketing & Sales**

Austrian Aerospace GmbH (now RUAG Space GmbH), Vienna

## EDUCATION AND TRAINING

since 06/1018

**Doctoral programme in Civil Engineering**

EQR 8

TU Wien

Land-use and transport modelling, System Dynamics

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**

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”  
 • Self-initiated students protest project 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)

**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**

- Kiptala, J. K., Hessels, T., Laa, B., & van der Zaag, P. (2018). An assessment of the value of an African landscape. The case of the Mara Basin, Kenya. Physics and Chemistry of the Earth, Parts A/B/C, 107, 71-85.
- Laa, B., Dang, M. & Achammer, C. (2017). Exploring the Possibilities of Urban Rooftop Farming in Vienna. Vienna Young Scientists Symposium (VSS), Vienna Austria: Book-of-Abstracts.com, 20-21. ISBN 978-3-9504017-5-2

**Awards** „Best Speaker“ in Civil Engineering - Vienna young Scientists Symposium 2017, Vienna