

PERSONAL INFORMATION

Ao.Univ.Prof. Mag. Dr. Guenter Emberger



**📍** TU Wien  
 Institute of Transportation  
 Research Center of Transport Planning and Traffic Engineering  
 Gußhausstraße 30/230-1 (2. floor), 1040 Vienna, Austria

**☎** +43-1-58801-23112

**✉** [guenter.emberger@tuwien.ac.at](mailto:guenter.emberger@tuwien.ac.at)

**🔗** [https://www.fvv.tuwien.ac.at/home/Publications \(TU Wien\) Publications \(ResearchGate\)](https://www.fvv.tuwien.ac.at/home/Publications(TU%20Wien)Publications(ResearchGate))

Year of birth 1967 | Nationality Austria

WORK EXPERIENCE

10/2017 - Present

**Head of the Research Center**

Research Center of Transport Planning and Traffic Engineering, Institute of Transportation, Faculty of Civil Engineering, TU Wien (Austria)

01/2009 - 09/2017

**Ao.Univ.Professor**

Research Center of Transport Planning and Traffic Engineering, Institute of Transportation, Faculty of Civil Engineering, TU Wien (Austria)

- Since 1994 involved in all regular teaching activities at the institute - lectures and courses concerning transport planning and modelling, coaching of master theses
- Main Research focus in the fields of: Transport related air pollution, Transport system user behavior (empirical and statistical analyses), Transport and traffic modelling, System Dynamics and cause-effect-relations in the field of transport system, land use and social systems, Public transport
- Head of the IT-infrastructure at the Research Center

3/2007 - 12/2008

**Ao.Univ.Professor**

Institute of Transport Planning and Traffic Engineering, Faculty of Civil Engineering, TU Wien (Austria)

- Teaching Activities and research
- Head of the IT-infrastructure at the Research Center

07/2004 - 02/2007

**Senior Research Fellow**

Institute of Transport Planning and Traffic Engineering, Faculty of Civil Engineering, TU Wien (Austria)

- Teaching Activities and research
- Head of the IT-infrastructure at the Research Center

07/2002 - 06/2004

**Guest Research Fellow**

Institute for Transport Studies (ITS), University of Leeds (United Kingdom)

- Main research focus in the fields of: Land use and transport interaction model development, Transport policy appraisal, Freight modelling

05/1994 - 06/2002

**Research Fellow**

Institute of Transport Planning and Traffic Engineering, Faculty of Civil Engineering, TU Wien (Austria)

- Transport and land use modelling, teaching transport planning and methods in transport planning

03/1990 - 04/1994

**Research Officer**

Institute of Transport Planning and Traffic Engineering, Faculty of Civil Engineering, TU Wien (Austria)

- Emission monitoring, statistical analyses, household surveys

1988 - 1989

**Technician**

Computer centre, Waidhofen/Ybbs (Austria)  
 ▪ Computer programming, management

**EDUCATION AND TRAINING**

**2006 Habilitation in Transport Planning, date of award: 12<sup>TH</sup> October 2006**

Institute of Transport Planning and Traffic Engineering, Faculty of Civil Engineering, TU Wien  
 ▪ Habilitation Thesis: Freight Transport – A Holistic Approach, Beiträge zu einer ökologischen und sozial verträglichen Verkehrsplanung, Institut für Verkehrsplanung und Verkehrstechnik, Technische Universität Wien, Band 2/2005, ISBN 3-9501909-2-9

**1995 - 1999 Study of a Doctor's degree in Social and Economic Sciences, date of award: 27<sup>TH</sup> October 1999**

EQF 8

Faculty of the Social and Economic Sciences, University of Vienna  
 ▪ Doctoral Thesis: Interdisziplinäre Betrachtung der Auswirkungen verkehrlicher Maßnahmen auf sozioökonomische Systeme (Interdisciplinary view of impacts of transport policies on socio-economic-systems), Dissertation, 1999, coached by Univ. Doz. Dr. Ralf Risser and Prof. Dr. Anton Amann from the Institut für Soziologie, Universität Wien

**1989 - 1994 Study of a Master's degree in Computer Science and Business Administration, date of award: 1<sup>TH</sup> June 1994**

EQF 7

Faculty of the Social and Economic Sciences, University of Vienna  
 ▪ Master Thesis: Der kombinierte Verkehr als betriebswirtschaftliches Problem, dargestellt anhand einer Fallstudie aus der Praxis, Diplomarbeit, 1994, coached by Univ. Doz. Dr. Ludwig Mochty from the Institut für Betriebswirtschaftslehre, Universität Wien

**PERSONAL SKILLS**

Mother tongue German

Other language	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/C2	C1/C2	C1/C2	C1/C2	C1/C2

Digital skills  
 ▪ Operating systems (Linux, Windows, VMWare)  
 ▪ Programming languages (C, C#, Visualbasic, Fortran, Modula, Pascal, HTML)  
 ▪ MSOffice (Excel, Word, Powerpoint, ACCESS, Outlook etc.)  
 ▪ Special software (CAD, GIS, VENSIM, SPSS, Derive, VISUM, VISSIM)

**ADDITIONAL INFORMATION**

Honours and awards  
 ▪ Best Lecture Award 2018 at the Faculty of Civil Engineering, TU Wien  
 ▪ Medal of Honor (June 2015)  
 Faculty of Civil Engineering, Technical University Bratislava (Slovakia)

Research record - activities  
 ▪ About 10 books and book-editor  
 ▪ Author of more than 10 book chapters  
 ▪ Author of more than 80 Journal papers and proceedings  
 ▪ More than 180 speeches  
 ▪ Involvement in more than 30 national research projects  
 ▪ Involvement in more than 35 (mainly EU-funded) research projects

## Memberships

- Oesterreichische Verkehrswissenschaftliche Gesellschaft
- Oesterreichische Forschungsgesellschaft fuer das Verkehrs- und Strassenwesen
- Forum Oesterreichischer Wissenschaftler für Umweltschutz
- WCTRS -World Conference on Transport Society– full member of the scientific board (since 2014)
- Overseer Member of International Association of Traffic and Safety Sciences Japan (IATSS - [www.iatssforum.jp/english/](http://www.iatssforum.jp/english/) )
- Guest editor – European Transport Research Review Journal 2016/2017
- Guest editor – Case Studies – Transport Policy Journal 2016/2017
- Reviewer Horizon 2020, 2017

## Publications - books and book chapters

- O. Fritz, R. Hierländer, G. Streicher, R. Haller, A. Mayerthaler, G. Emberger:"ETMOS - An Integrated Economic Transport Modelling System for Austria"; WIFO Österreichisches Institut für Wirtschaftsforschung, Wien, 2010, 63 S.
- T. Brezina, G. Emberger et al.: "Handbuch Öffentlicher Verkehr. Schwerpunkt Österreich."; Bohmann Verlag, Wien, 2009, ISBN: 978-3-901983-91-7; 302 S.
- G. Emberger, P. Pfaffenbichler: "Wechselwirkungen und Rückkopplungen im Individualverkehr und im Güterverkehr"; in: "Paradigmenwechsel im Verkehrswesen", H. Knoflacher, H. Frey (Hrg.); Österreichische Verkehrswissenschaftliche Gesellschaft - ÖVG, Wien, 2016, S. 69 - 86.
- G. Emberger: "Urban Transport in Ho Chi Minh City, Vietnam"; in: "Sustainable Ho Chi Minh City: Climate Policies for Emerging Mega Cities", A. Katzschner, M. Waibel, D. Schwede, L. Katzschner, M. Schmidt, H. Storch (Hrg.); Springer International Publishing, Cham/CH, 2016, (eingeladen), ISBN: 978-3-319-04614-3, S. 175 - 191.
- G. Emberger, P. Pfaffenbichler: "Von monomodalen Verkehrsmodellen hin zu einer dynamischen, multimodalen Betrachtung der Wechselwirkungen zwischen Flächennutzung und Verkehr"; in: "Der Lehrer Knoflacher und die nächste Generation. Festseminar Prof. Hermann Knoflacher zum 75. Geburtstag. Beiträge zu einer ökologisch und sozial verträglichen Verkehrsplanung 2/2015", H. Zukal (Hrg.); Institut für Verkehrswissenschaften - Forschungsbereich für Verkehrsplanung und Verkehrstechnik, Technische Universität Wien, 2015, ISBN: 978-3-9503375-4-9, S. 175 - 188.
- B. Mousseau, A. Fulda, G. Emberger: "Modelling impacts of local policies to optimise the development of electric vehicles"; in: "WCTRS - SIG10 Workshop: Emerging Urban Transport Policies towards Sustainability", H. Zukal (Hrg.); Institut für Verkehrswissenschaften - Forschungsbereich für Verkehrsplanung und Verkehrstechnik, Technische Universität Wien, Wien, 2012, ISBN: 978-3-9503375-0-1, S. 123 - 138.

## Publications - journals

- H. Nguyen, H. Nguyen, G. Emberger:"Application of a macroscopic transport model in Ho Chi Minh City";Proceedings of the Eastern Asia Society for Transportation Studies, Vol. 9 (2013), 9.
- G. Emberger:"Public Transport - a Solution for Emerging Megacities like Ho Chi Minh City?"; Future Megacities - Megastädte von morgen, Newsletter, Vol. 2 (2012), July; S. 6.
- A. D. May, S. Ison, G. Emberger, A. Musso: "Urban transport initiatives: Implications for policy"; Transport Policy, Vol. 20 (2012), S. 103 - 104.
- P. Pfaffenbichler, G. Emberger, S. Shepherd: "A system dynamics approach to land use transport interaction modelling: the strategic model MARS and its application"; System Dynamics Review, Volume 26 (2010), No 3; S. 262 - 282.
- G. Emberger, P. Pfaffenbichler, L. Riedl:"MARS meets ANIMAP: Interlinking the Model MARS with dynamic Internet Cartography"; Journal of Maps, 1079 (2009), S. 240 - 249.
- P. Pfaffenbichler, G. Emberger, S. Shepherd:"The Integrated Dynamic Land Use and Transport Model MARS"; Network and Spatial Economics, 3 (2008).