

CURRICULUM VITAE



Name: Dr. Paul Christian PFAFFENBICHLER

Year of birth: 1963

Current position: Senior Researcher, Research Center of Transport Planning and Traffic Engineering, Institute of Transportation, TU Wien

Professional career:

- 2009-2011 Senior Researcher, Austrian Energy Agency, Department Mobility & Transport
Assistant lecturer, Research Center of Transport Planning and Traffic Engineering, Institute of Transportation, Vienna University of Technology
- 2008-2009 Part time Senior Researcher, Austrian Energy Agency, Department Mobility & Transport and part time und Assistant Professor, Institute for Transport Planning and Traffic Engineering, Vienna University of Technology
- 2005-2008 Assistant Professor, Institute for Transport Planning and Traffic Engineering, Vienna University of Technology
- 2004-2005 Visiting Professor ETSI Caminos, Canales y Puertos, Universidad Politécnica de Madrid, Spain, Head of the Research Department „Modelización y optimización de las redes de transporte” (Modelling and Optimisation of Transport Networks)
- 2000-2004 Research Associate, Institute for Transport Planning and Traffic Engineering, Vienna University of Technology
- 1997-2000 Researcher, Institute for Transport Planning and Traffic Engineering, Vienna University of Technology
- 1995-1997 Self-employed as design draughtsman (clients MOVIECAM, Schrack Aerospace, Werner & Pfleiderer and others)

Education:

- 2003 Doctor's degree in technical science, Faculty of Civil Engineering, Vienna University of Technology
- 1984-1995 Study of mechanical engineering, specialisation in traffic engineering, Vienna University of Technology
- 1978-1983 Secondary school leading to intermediate qualification, HTBLVA Steyr, Mechanical Engineering and Car Manufacturing

Membership:

- ÖVK (Austrian Society of Automotive Engineers), www.övk.at/
- Argus (Arbeitsgemeinschaft umweltfreundlicher Stadtverkehr – Association for environmental friendly urban transport), www.argus.or.at/

Area of expertise:

Integrated land use and transport modelling, dynamic modelling, System Dynamics, mode choice modelling, car fleet modelling, propulsion technologies, electric mobility, assessment methods, bicycle planning, transport safety

Publications

From 2002-2017: 20 books, 103 journal articles, book chapters and conference papers, 176 presentations and posters.

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ResearchGate: [www.researchgate.net/profile/Paul Pfaffenbichler](https://www.researchgate.net/profile/Paul_Pfaffenbichler)

Selected publications

P. Pfaffenbichler, T. Brezina: "Estimating bicycle parking demand with limited data availability"; Proceedings of the Institution of Civil Engineers - Engineering Sustainability, Vol. 169 (2016), Issue 2; S. 76 - 84.

P. Pfaffenbichler et al.: "Increasing the competitiveness of e-vehicles in Europe"; European Transport Research Review, 7:28 (2015).

S. Becker Lopez, P. Pfaffenbichler, A. Rodrigues da Silva: "Uma Ferramenta para Planejamento da Mobilidade Sustentável com Base em Modelo Integrado de Uso do Solo e Transportes"; paranoá - Cadernos de arquitetura e urbanismo, numero 7 (2012), S. 93 - 102.

E. Lopez, A. Monzon, P. Pfaffenbichler: "Assessment of energy efficiency and sustainability scenarios in the transport system"; European Transport Research Review, Vol. 4 (2012), Issue 1; S. 47 - 56.

S. Lopes, A. Silva, P. Pfaffenbichler: "Uma Aplicação do Modelo de Uso do Solo e Transportes MARS no Brasil"; Engenharia Civil / Civil Engineering, Numero 40 (2011), S. 109 - 120.

P. Pfaffenbichler: "Modelling with Systems Dynamics as a Method to Bridge the Gap between Politics, Planning and Science? Lessons Learnt from the Development of the Land Use and Transport Model MARS"; Transport Reviews, Vol. 31 (2011), 2; S. 267 - 289.

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.

S. Lopes, G. Emberger, P. Pfaffenbichler, J. Fernandes Jr.: "Uso de Modelagem Dinâmica de Sistemas Conectada a um SIG para a Gerência de Pavimentos Urbanos"; Revista Minerva - Pesquisa & Tecnologia, 6.Jg. (2009), 2; S. 181 - 188.

P. Pfaffenbichler, G. Emberger et al.: "Overcoming Barriers to Model Use"; European Journal of Transport and Infrastructure Research, Volume 9 (2009), Issue 3; S. 277 - 295.

G. Emberger, P. Pfaffenbichler, S. Jaensirisak, P. Timms: "'Ideal' decision-making processes for transport planning: A comparison between Europe and South East Asia"; Transport Policy, Volume 15 (2008), 6; S. 341 - 349.

P. Pfaffenbichler, G. Emberger, S. Shepherd: "The Integrated Dynamic Land Use and Transport Model MARS"; Network and Spatial Economics, 3 (2008).

S. Shepherd, P. Pfaffenbichler, A. Martino, D. Fiorello, P. Christidis: "The Effect of Oil Prices on Transport Policies in Europe"; International Journal of Sustainable Transportation, 2 (2008), 1; S. 19 - 40.

S. Shepherd, P. Pfaffenbichler: "Sustainable transport policies under scarcity of oil supply"; Proceedings of ICE, Engineering Sustainability, 159 (2006), 2; S. 63 - 70.

P. Pfaffenbichler, S. Shepherd: "A Dynamic Model to Appraise Strategic Land-Use and Transport Policies"; European Journal of Transport and Infrastructure Research, 2 (2003), 3/4; S. 255 - 283.