

Prof. Dr. Hermann Knoflacher

CURRICULUM VITAE

Name: KNOFLACHER, Hermann

Personal data: Born 1940 in Villach (Austria).

Nationality: Austrian

Present position: University professor of the Institute of Transportation, Research Center of Transport Planning and Traffic Engineering, University of Technology Vienna (TU Wien)

Education:

1959-1963 Studies on the Technical University of Vienna
– Civil Engineering
– Mathematics
– Geodesy

1967 Doctor's degree on technical science

1972 University docent

1975 Full professor

Positions:

1970-1983 Head of the Institute for Transport, Austrian Road Safety Board

1971-2010 Director of Civil Engineering Office

1977-1984 Personal advisor of the transport minister of Austria

1994-2000 Expert to the European Commission for the Research Programs Telematics and Sustainable Mobility

1975-Dec. 2007 Head of the Institute for Transport Planning and Traffic Engineering, University of Technology Vienna (TU Wien)

Main research focus:

Design of transport elements; Transport system user behavior; Traffic-infrastructure and mobility; Sustainable development of cities and mobility; Traffic safety; Energy-consumption; Environment; Basic interdisciplinary research

Human system behavior and evolution, dynamic of complex urban systems, sustainable urban and transport development, traffic safety from a system view, interdisciplinary and

transdisciplinary research, building a sound-scientific background for transport and urban planning

Relevant Experience:

Since 1963 practical transport planning
Masterplans for cities, regions, countries
Projects in the fields of pedestrian, cycle, public transport and road transport planning

Since 1967 9 books, more than 500 scientific publications, 500 expert opinions and more than 1.000 lectures in the field of transport planning and traffic engineering worldwide (USA, Europe, Asia, Australia)

International contacts and activities:

- Member of countless OECD-research groups
- Adviser to Transport Ministers since 1980
- Expert for Sustainable Transport and Intermodality to the European Commission (5.FP)
- Expert for Telematics in Transport to the EC (4.FP)
- Member of the European Academy of Science
- Member of the Finish Academy of Technical Science
- member of the Balaton Group for Sustainable Development
- member of PIARC (World Road Association)
- member of the Transport Research Board (TRB), Pedestrian Committee
- president of the Club of Vienna
- Chairman of the Austrian Urban Road Scientific Committee
- Member of the Board of SETREF
- responsible for the transport in the Urban Age Program of the London School of Economics
- expert to the European Commission on telematics and transport, intermodality and sustainable transport
- guest professor in USA, Japan, China, several European countries
- manager of international research projects for example QRA for tunnel safety
- special advisor to the Balaton Group

Main projects:

More than 300 realized projects for cities, regions, national transport policy measures (Wien, Klagenfurt, Eisenstadt)

Optimization of Policies for Transport Integration in Metropolitan Areas. EC, DG VII „Transport“. Wien 1997. **Team leader**

Mobility, **I**nter**M**odality, and **I**nter**C**hanges. EC, DG VII „Transport“. Wien 1998. **Team leader**

Financial **A**ssistance for **T**ransport **I**ntegration in **M**etropolitan **A**reas. EC, DG VII „Transport“. Wien 1998. **Team leader**

Enhanced Traffic **S**afety **C**oming from **A**ppropriate **P**olice **E**nforcement. EC, DG VII „Transport“. Wien 1999. **Team leader**

HPCN Simulation of Traffic induced Air Pollution using Parallel computing in a distributed network. EC, DG III „Industry“. Wien, 1999. **Team leader**

Effects of Realized Traffic **M**easures on the **R**eduction of **E**nergy **C**onsumption in **U**rban Transport. EC, DG XVII „Energy“. Wien 1999. **Team leader**

Economic **B**enefits of an **E**fficient **I**nstitutional **C**o-ordination between Transport and Land Use policy, **I**llustrated on **A**ustrian **L**evel. Wien 2000.

Transport **P**lanning **L**and **U**se and **S**ustainability. Wien 2000.

Strategic **A**ssessment **M**ethodology for the **I**nteraction of CTP-Instruments. EC, DG VII „Transport“. Wien 2000. **Team leader**