


Name	Haupt, Thomas	
Date of birth	February 18 th , 1958	
Nationality	German	
Profession	Industrial Engineer Operations Research & Informatics, Transportation Consultant	
Position with company	Executive Consultant	
Qualification	Traffic demand and supply modelling; transport model based consultancy; household surveys; international consultancy; management and government adviser	
Countries of assignment	Austria, Brazil, China, Colombia, Italy, Luxembourg, Peru, Poland, Qatar, Singapore, Slovenia, Switzerland, Turkey, UAE (Dubai), USA	
Education and professional experience	<p>10/2012: th-inc GmbH Founder and Executive Consultant</p> <p>10/1986: PTV Planung Transport Verkehr AG, Karlsruhe (formerly: PTV System Software und Consulting GmbH) 1994-2008: Director PTV Vision 2008-2012: Executive Director</p> <p>1986: University of Karlsruhe, Institute of Transportation Planning Scientific Staff</p>	

1978 – 1985: University of Karlsruhe

Master's Degree in Industrial Engineering (Dipl.-Wirtschaftsingenieur)
 with emphasis on Informatics, Operations Research and Transportation Planning/Traffic Engineering; 1979 -1980: Military and civil service

Language skills

German mother tongue

English Excellent

**Selected project
 experience**

Recent delegation trips, business development and conference activities

- 01/2013 Attending the World Bank conference: Transforming Transport
- 12/2012 Chamber of commerce Singapore + ETH Singapore talk: Sustainable transport Modelling and Planning
- 10/2012 Business development tour to Colombia and Bolivia
- 06/2012 Rio +20, Sustainability Summit, presentation on behalf of the German-Brazil Chamber of Commerce in Rio de Janeiro: Podium discussion Sustainable Urban Transportation
- 05/2012 International Transport Forum in Leipzig, Germany: RIO Method for Traffic Flow optimization
- 04/2012 Secretary of State Bomba from the German Transport Ministry: Peru and Columbia
- 02/2012 Chamber of Commerce to Singapore
- 11/2011 Delegation trip with the minister president of the German Bundesland Baden Württemberg to Brazil (Curitiba, Rio de Janeiro)

Customer consultation 2009-2012

- 11/2011 City of Buenos Aires and Transport Ministry of Argentina: Activity and tour based modelling of transport
- 2010-2011 City of Rio de Janeiro: Signal optimization
- 11/2011 Transport Ministry of Peru: Freight Modelling Course.
- 10/2012 University de los Andes, Colombia: Lesson in a Mastercall about model based transport planning

Earlier Consultations:

- Federal Office for Spatial Development ARE, Bern, Switzerland (2007-2010):
 Design and implementation of a network model for the national freight transport (road and rail)
 Generation and distribution model national freight transport

Customer consultation 2007-2010 for
City of Ljubljana, Slovenia
City of Munich
German Railways

SIMPT II (2003-2011): New national transport model for Italy

Transport Model Qatar (2008-2009): Review and advice for the PTV modelling team

OVID (2003-2005): Self organisation of travel under conditions of information and communication; research project in co-operation with University of Karlsruhe, Germany; funded by BMBF

Strategic transport model for Beijing for the Summer Olympic Games in 2008 (2003-2004)

Validate (2004-2011): nation wide model to generate traffic data based on navigation networks and demand modelling

German Transport Master Plan 2002: transport demand forecast). (2000 - 2002), in co-operation with SSP-Consult GmbH and Kessel & Partner

Traffic Master Plan Poznan (Poland) (1998 - 1999), in co-operation with B.I.T. Poznan

Commercial traffic region Munich (Germany); company surveys; demand and network analysis and forecast. (1995 - 1997)

Traffic Master Plan region Stuttgart (Germany) (1995 - 1997):
Analysis and forecast of the traffic demand
Public transport development scenarios
Commercial traffic

Demand and public transport modelling Leipzig (Germany) (1994 - 1995)

Optimisation of the assignment procedures of VISUM-PT for public transport planning in Berlin (Germany) (1994)

Light rail study in Izmir (Turkey), household survey and model calibration. (1994)

Traffic Master Plan Halle an der Saale (Germany), network and demand modelling (1993 - 1994)

Traffic Master Plan Bruchsal (Germany); esp.: household survey and stated preference study (parking and mode choice) (1993 - 1994)

Implementation and calibration of the traffic demand and assignment model VISUM in St. Gallen (Switzerland) (1990 - 1993)

Implementation and calibrating of the VISEM activity chain model in Mainz (Germany), including a household survey (1992)

Light rail study in Bursa (Turkey), household survey and model calibration (1991 - 1994)

Traffic Master Plan Pforzheim (Germany) (1987 - 1990)

Traffic demand: extracted results of the German research work (1987)

VISION: An interactive model system for network optimisation; study and practical application within the “Traffic Calming Project” of the German government (1987 - 1990)

**Selected lectures
and publications**

Haupt, Th.: Sustainable Modelling and Transport Planning. Talk at ETH Singapore. Future Cities Lab. <http://www.futurecities.ethz.ch/news/sustainable-modelling-and-transportation-in-cities/>

Haupt, Th.: Smartphone Tracking, Symposium at INNOZ Berlin, Berlin September 2012

Schlaich, J., Haupt, T. (forthcoming), Large-Scale Signal Optimization: Traffic Platform Framework and Applications, 4th Transportation Research Board Conference on Innovations in Travel Modeling (ITM), Tampa, USA, 2012.

Vortisch P, Fell B, Haupt Th, Heidl U

Beyond Dubai – An activity-based transportation model for Qatar; Paper presented at the 3rd Transport Science and Technology Congress (TRANSTEC), New Delhi, 2010

Fell B, Snethlage M, Haupt Th

Travel behaviour in the Arabian Emirates – findings from household travel surveys and comparison to western patterns; Paper presented at the 12th International Conference on Travel Behaviour Research (IATBR), Jaipur, 2009

Weis, C., A. Frei, K.W. Axhausen, T. Haupt and B. Fell (2008) A comparative study of web- and paper-based travel behaviour surveys, paper presented at the European Transport Conference, Noordwijkerhout, October 2008.

Friedrich, M., Nökel, K., Haupt, T.: Freight Modelling: Data Issues, Survey Methods, Demand and Network Models. In: Moving through nets: the physical and social Dimension of Travel, Elsevier, page 249-277. 2006.

Haupt, T.: Verkehrs- und Raumplanung – Wirkungssimulation – Information: Praxis und Vision, conference CORP 2006, Vienna, 2006

Haupt, T, Nökel, K., Reiter, U.: Schedule Based Dynamic Transit Assignment – Extensions for Revenue Calculation and Line Costing; paper presented at Second workshop on Schedule-Based Approach in Dynamic Transit Modelling in Ischia, Italy, May 2005

Friderich, M., Haupt, T., Heidl, U.: Validate: A New Method To Generate Nationwide Traffic Data; paper presented at FOVUS, Stuttgart 2004

Friedrich, M., Haupt, T.: Verkehrsplanung im Internet, Annual meeting 2002 of Arbeitskreises Verkehr der Deutschen Gesellschaft für Geographie, Studien zur Mobilitäts- und Verkehrsforschung, No. 2, published by Kagermeier, Mager und Zängler, Mannheim, 2002, page 213-226.

Haupt, T.: Verkehrsplanung und Internet: Auf dem Weg zu E-Planning; in Interna-

tionales Verkehrswesen, May 2002

Axhausen K.W., Zimmermann, A., Schönfelder, S., Rindsfueser, G., Haupt, Th.: Observing the rhythms of daily life: A six-week travel diary. In: Transportation 2001.

Friedrich, M., Haupt, T.: MOBIPLAN – Mobilitätsplanung im Internet, 2. Aachener Kolloquium Mobilität und Stadt, Schriftenreihe Stadt Region Land, No. 71, Institut für Stadtbauwesen, RWTH Aachen, page 115-128

Friedrich, M., Haupt, T.: Mobilitätsplanung im Internet – Verkehrsplanung fängt im Haushalt an; 18. Verkehrswissenschaftliche Tage; Dresden 17.-18. Sep. 2001

Axhausen, K.W., Haupt, T., Fell, B., Heidl, U.: Searching for the rail bonus: Results from a SP/RP study. Transportation Research Board 2001, Washington

Zimmermann, A., Haupt, T.: Rhythmic and non-rhythmic patterns of individual travel behaviour and user segmentation by attitudes and values, presentation hold on the THINK-UP Workshop D10 in March 2001, Naples.

Blank, C., Fell, B., Haupt, T., Wortmann, I.: Praferenzanalyse im Dresdner ÖPNV. In: Der Nahverkehr 6/2000, Alba Fachverlag Düsseldorf

Friedrich, M., Haupt, T., Noekel, K.: An Integrated Planning and Information System for Transit Network Management, South African Transport Conference, Pretoria, 2000.

Friedrich, M., Haupt, T., Noekel, K.: Planning and analyzing transit networks – an integrated approach regarding requirements of passengers and operators. In: Journal of Public Transportation, 1999.

Friedrich, M., Haupt, T., Schwerdtfeger, T.: Planning and Analyzing Transit Networks – An Integrated Approach Regarding Requirements of Passengers and Operators, Proceedings of the 4th Meeting of Hong Kong Society for Transportation Studies, Hong Kong, 1999, S. 239-248.

Bieling, N., Haupt, T., Meimbresse, B.: WiVer - Ein Berechnungsmodell fuer den staedischen und regionalen Wirtschaftsverkehr, presented at the Heureka Conference, Karlsruhe, March 1996; in: Straßenverkehrstechnik 11/1996, Kirschbaum Verlag GmbH, Bonn 1996.

Fellendorf, M., Haupt, T., Heidl, U., Scherr, W.: PTV VISION: Activity-based demand forecasting in daily practice. In Activity-Based Approaches to Travel Analysis, Elsevier, Oxford, 55-72, 1997.

Haupt, T.: PTV VISION: Activity based Demand Forecasting in Daily Practice, presented at the Travel Model Improvement Program; 2nd Conference, Daytona Beach, Florida, December 1995.

Haupt, T., Mott, P.: Rechnergestuetzte Verkehrsplanung - Einsatzmoeglichkeiten von VISUM-OEV bei der Standardisierten Bewertung, in: Nahverkehrspraxis, Heft 5, 1991.

Leutzbach, W. et al (among others Haupt, T.): Aufbereitung von Forschungsergebnissen der Stadtverkehrsforschung, Sachgebiet Ermittlung der Verkehrsnachfrage', Bundesminister fuer Verkehr (Herausgeber) Forschung Stadtverkehr, Reihe Auswertungen, Koeln, 1988.

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