

Curriculum Vitae: Dr. rer. nat. **Martin Treiber** (*30.08.1961)

Scientific Background

Since 2000	Senior Research Scientist. Permanent position at the Institute for Transport and Economics, Dresden University of Technology
1996-2000	Research Scientist, University of Stuttgart
1996	Dissertation
1993-1995	Visiting Scientist, University of California Santa Barbara and University of Arizona Tucson
1992-1996	Research Assistant (PhD student), University of Bayreuth
1986-1992	Study of Physics, University of Bayreuth, finished with a Diploma
1982-1986	Study of High Precision Mechanics, TU Nuremberg, finished with a Diploma

Research Projects (Selected)

INVENT - Intelligenter Verkehr und nutzergerechte Technik (BMBF, together with Volkswagen, Daimler, BMW, and other automotive-related companies)

AKTIV – Adaptive and Cooperative Technologies for intelligent Traffic (BMBF, together with Volkswagen, MAN, and other automotive-related companies)

KOLINE – a Volkswagen project on eco-routing

DFG – Selbstheilende Straßennetze – Lichtsignalgestütztes Störfallmanagement auf Basis mesoskopischer nichtgleichgewichtiger Verkehrsmodelle

COOL – Cooperatively Organized Operations of Longitudinal driving, a small Volkswagen project

MOVSIM – Multi-model, open-source vehicular-traffic Simulator, a scientific software project, see www.movsim.org

IPBMNES – Integrated Pedestrian Behavior Modeling under Normal and Evacuation Situations

Consultancy

Various projects for Volkswagen, TomTom, Teledyne Inc, the German authorities for inland waterways, and others related to traffic flow, intelligent traffic, adaptive cruise control, autonomous driving, trajectories, and eco-routing

Editorship

Associate Editor at Transportation Research Part B, and Transportmetrica A

Awards and Prizes

“Emil-Warburg-Forschungspreis” (Research Prize) for the best dissertation in Physics at the University of Bayreuth, 1996.

“Best Referee Award”, The American Physical Society, 2009, Top 1% Reviewer Award” Publons,

“Certificate of Excellence/Outstanding Contribution in Reviewing” in five journals, 2016-2018

Publications

About 150, including two textbooks on Traffic Flow Dynamics. See <http://scholar.google.de/citations?user=WhCLdpbMAAAAJ> .