

CURRICULUM VITAE of Henk Stipdonk



1957	Born in the Netherlands
1981	M.Sc., Physics, Leiden University
1981-1985	Researcher, Leiden University
1985-2004	Researcher and manager at Ministry of Transport and Watermanagement
2004-2019	Research Manager at SWOV Institute for Road Safety Research
2013	Ph.D., Delft University of Technology
2019- 2024	Director of Dutch Institute for Transport Policy Analysis KIM
As of 2025	Partner Road safety for all

Research areas

Road safety, quantitative analysis of traffic behavior, forecasting models, traffic management, safe system approach of road traffic, effects of climate change on transport demands

Research and work areas

Since 1985, Henk Stipdonk worked as a researcher and research manager at the Dutch Ministry of Transport and Water Management (at Rijkswaterstaat, the Dutch infrastructure authority). Between 2004 and 2019, he has been research manager at SWOV Institute for Road Safety Research. Between 2019 and 2024 he was the director of KiM, an independent scientific research institute within the Dutch Ministry of Infrastructure and Watermanagement. His focus is to enable fact-based policymaking, by means of research combined with a perpetual dialogue between scientists and policy officers on all levels: zipping research and policy into each other. Since September 2024 he has retired and has subsequently taken up several new tasks, mostly in the field of road safety. He has been, and still is, policy advisor for the Dutch government and the EU since 2004.

(Inter) national positions

2005-2008	Member of OECD-International Transport Forum working group "Towards zero", achieving ambitious road safety targets; member of editorial group.
2008-Present	European Transport Safety Council: co-chair of the ETSC PIN panel and steering group since 2015.
2013-2018	Member of the international scientific advisory board of the Belgian Road Safety Institute VIAS.
2019-2024	Member of the Transportation Research Committee of the International Transport Forum.
2020-2024	Chair of two consecutive OECD-ITF working groups on the implementation of the safe system for road safety in Low- and Middle-Income Countries.
2024	Chair of the ITF round table on managing sectoral demands for renewable energy in the transition to sustainable transport.

Selected list of publications by Henk Stipdonk (attached)

Selected list of publications of dr. Henk Stipdonk (2025)

Peer reviewed papers (prp) and conference papers (cp)

- 2024 prp Hans Godthelp, Paul Wesemann, Henk Stipdonk, Mark King: Capacity building for road safety in LMICs: the need for a sustainable local knowledge and research infrastructure. Traffic Safety Research vol. 8 (2024), DOI: <https://doi.org/10.55329/weks9456>.
- 2024 prp Short Communication: Henk Stipdonk, Letty Aarts, Dan Campsall, Laurent Carnis, Veronique Feypell, Tanya Fosdick, David Shelton, Martin Small, Anna Vadeby, Maturity Measurement in Road Traffic Injury Prevention, Traffic Safety Research 8 (2024), DOI: <https://doi.org/10.55329/uvfc1655>.
- 2020 prp Stipdonk, H., A car road deaths model to explain the annual road death peak near 1970 in high-income countries, using driver experience and travel. Safety Science 129 (2020) 104635.
- 2019 Webtext: Stipdonk, H.L. The mathematical relation between collision-risk and speed; a summary of findings based on scientific literature, <https://etsc.eu/reducing-speeding-in-europe-pin-flash-36/>
- 2017 cp Stipdonk, H.L. The impact of changes in the proportion of inexperienced car drivers on the annual numbers of road deaths, Road Safety and Simulation Conference, Scheveningen,
- 2017 cp Stipdonk, H.L. The impact of progressive fines on road safety, Break annual road safety Conference, London.
- 2014 prp Houwing, S., Stipdonk, H.L. When to enforce not to drink and drive? Driving under the influence of alcohol use in traffic by time of day and weekday. Accident Analysis and Prevention, 72, 17-22, DOI: 10.1016/j.aap.2014.06.004
- 2013 prp Bijleveld, F., Van Norden, Y. Stipdonk, H.L. Large scale disaggregation by age and conflict type to assess the impact of past and future demographic changes on road safety in the Netherlands. Accident Analysis and Prevention, submitted.
- 2013 prp Christoph, M., Vis, M., Rackliff, L., Stipdonk, H., A road safety performance indicator for vehicle fleet compatibility, Accident Analysis and Prevention, 60, 396-401, DOI: 10.1016/j.aap.2013.07.018.
- 2013 prp Scheepers, E., Wendel-Vos, W., van Kempen, E., Int Panis L., Maas, J., Stipdonk, H., Moerman, M., den Hertog, F., Staatsen, B., van Wesemael, P., Schuit, J., Personal and Environmental Characteristics Associated with Choice of Active Transport Modes versus Car Use for Different Trip Purposes of Trips up to 7.5 km in the Netherlands, PLOS ONE, September 5 2013, DOI: 10.1371/journal.pone.0073105.
- 2013 PhD thesis: Stipdonk, H.L., 2013, Road safety in bits and pieces, dissertation, SWOV Institute for Road Safety Research, Leidschendam.
- 2013 prp Stipdonk, H., Bijleveld, F., Van Norden, Y., Commandeur, J., 2012. Analysing the development of road safety using demographic data. Accident Analysis and Prevention 60, 435-444, DOI: 10.1016/j.aap.2012.08.005.
- 2012 prp Goldenbeld, C., Stipdonk, H.L., Reurings, M. and Van Norden, Y, 2012. Crash Involvement of Motor Vehicles in Relationship to the Number and Severity of Traffic Offenses. An Exploratory Analysis of Dutch Traffic Offenses and Crash Data. Traffic Injury Prevention 14, 584-591, DOI: 10.1080/15389588.2012.743125.
- 2012 prp Stipdonk, H., Reurings, M., 2010. The effect on road safety of a modal shift from car to bicycle. Traffic Injury Prevention 13 (4), 412-421, DOI:10.1080/15389588.2012.660661.
- 2011 prp Reurings, M., Stipdonk, H., 2011. Estimating the number of serious road injuries in the Netherlands. Annals of Epidemiology 21 (9), 648-653, DOI: 10.1016/j.annepidem.2011.05.007

- 2010 prp Stipdonk, H., Wesemann, P., Ale, B., 2010. The expected number of road traffic casualties using stratified data. *Safety Science* 48 (9), 1123-1133, DOI:10.1016/j.ssci.2010.04.010.
- 2010 prp Paul Wesemann, Yvette van Norden and Henk Stipdonk. An outlook on Dutch road safety in 2020. *Safety Science* 48 (9), 1098-1105, DOI: 10.1016/j.ssci.2010.05.003.
- 2008 prp Stipdonk, H., Berends, E., 2008. Distinguishing traffic modes in analysing road safety development. *Accident Analysis and Prevention* 40 (4), 1383-1393, DOI:10.1016/j.aap.2008.03.001.
- 2008 cp H.L. Stipdonk, J. van Toorenborg and M.A.B. Postema. Phase diagram distortion from traffic parameter averaging; European Transport Conference.
- 1995 prp D. Roeleven, M. Kok, H.L. Stipdonk, W.A. de Vries. Inland waterway transport: Modelling the probability of accidents, *Safety Science* 19 (2-3), 191-202.
- 1992 cp H.L. Stipdonk and R.J. Houben. QRA-aided Risk management of Dutch Inland Waterway Transport, International Consensus Conference of Risk of transporting dangerous goods.
- 1992 cp H. Lenselink, K. Thung and H.L. Stipdonk. Numerical simulations of ship collisions, International offshore and Polar Engineering Conference, San Francisco.
- 1992 prp A.J. Veraart, L.A.M. Janssen and H.L. Stipdonk. The inland waterway transport safety project, PIANC-AIPCN Bulletin.
- 1992 cp D. ten Holt and H.L. Stipdonk. Ship collision experiments as a tool in navigation risk management. First Joint Conference on Marine Safety and Environment Ship Production, Delft University Press, 715.
- 1985 prp H.L. Stipdonk, G. Frossati and J.H. Hetherington. Mean field theory calculations of magnetization, entropy and the melting pressures of solid ^3He in high magnetic fields.
- 1985 prp H.L. Stipdonk and J.H. Hetherington. A new fit of the ^3He solid exchange parameters, *Physical Review* B31, 4684.
- 1982 prp C.A.M. Mulder, H.L. Stipdonk. P.H. Kes, A.J. van Duijneveldt and L.J. de Jong. The magnetic phase diagram of the two-dimensional Heisenberg antiferromagnet K_2MnF_4 , *Physica* 113B, 380.
- 1982 prp L.J. de Jong, J. Bartolomé, F.J.A.M. Greidanus, H.J.M. de Groot, H.L. Stipdonk, K.H.J. Bushof, Magnetic properties of PrCo_2 and its ternary hydride PrCo_2H_4 , *Journal of Magnetism and Magnetic Materials* 25, 207.