

CURRICULUM VITAE

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Personal

Born: 2 December, 1966
Gender: Male
Nationality: The Netherlands

Graduate study (1985-1991)

1991 Cum Laude graduated in Economics, State University Groningen.

Doctorate study (1992-1996)

PhD student at the Department of Spatial Economics, VU University Amsterdam. Supervised by Professors Peter Nijkamp and Piet Rietveld. Thesis: Verhoef, E.T. (1996) *Economic Efficiency and Social Feasibility in the Regulation of Road Transport Externalities* PhD-thesis, Thesis Publishers, Amsterdam.

Post-Doctorate

2014-present Head, Department of Spatial Economics, VU University, Amsterdam.
2015 Visiting Professor at Department of Economics, University of Gothenburg.
2009-present Visiting Professor at the Institute for Transport Studies, University of Leeds
2008-2012 Member of Faculty Board (Research Director, Vice dean), Faculty of Economics and Business Administration, VU University Amsterdam
2002-present Professor of Spatial Economics at the Department of Spatial Economics, VU University, Amsterdam.
1996-2002 Post-doc at the Department of Spatial Economics, VU University, Amsterdam.
1996-present Research Fellow at the Tinbergen Institute, Amsterdam-Rotterdam.
1999 Visitor of University of California at Irvine, Faculty of Social Sciences; teaching under-graduate course on Urban Economics and organizing 'Transport Colloquium'.

2000-2002 KNAW fellowship in the 'Akademie Onderzoekers' (Academy Researchers) Program.

Selected prizes

- The Epainos Prize 1996, European Regional Science Association.
- RSUE Award for Innovative Research by Recent Doctoral Candidates 2000, awarded by *Regional Science and Urban Economics* for the paper "Second-best congestion pricing in general static transportation networks with elastic demands".
- Elected Fellow of the Regional Science Association International (2010).

Bibliometric indicators

- Belongs to the top 4% of economists world-wide in REPEC's overall ranking, and to the top 5% for (among others) number of works, number of citations, h-index, and strength of students (<http://ideas.repec.org/top/top.person.all.html>; accessed 23 December 2015)
- H-index 20, around 1700 citations to around 100 publications in Web of Science (accessed 23 December 2015)
- H-index 37, around 6900 citations to around 400 publications in Scholar Google (<http://scholar.google.nl/citations?user=sGwcq1YAAAAJ&hl=us>; accessed 23 December 2015)

Other activities

Editorial Boards (selected)

- Editor (with M. Fosgerau) *Economics of Transportation*
- Associate Editor (until 2011) *Transportation Research B*
- Member of Editorial Board of *Journal of Urban Economics*
- Member of Editorial Board (until 2012) of *Journal of Transport Economics and Policy*
- Associate Editor of *Networks and Spatial Economics*
- Associate Editor *Journal of Regional Science*
- Member of Editorial Board (until 2015) of *Papers in Regional Science*

Other

- 2008-present Vice-chair of NECTAR
- Chair of the Local Organizing Committee for the Nectar-Kuhmo Summer Schools in Amsterdam, June 30 – July 4 2008.
- 2006-2011 Co-organizer of yearly Nectar-Kuhmo Summer Schools
- 2011-present Member of Executive Committee of ITEA

- Vice chair of the Local Organizing Committee for the European Regional Science Association Conference in Amsterdam, 23-27 August 2005.
- 2000-2005: Organizer of the Young Scientist Sessions at the yearly meetings of the European Regional Science Association, and secretary of the Epainos Awards Jury

Selected Publications

Journal Articles

- Bolderdijk, J.W., J. Knockaert, E.M. Steg and E.T. Verhoef (2011) "Effects of Pay-As-You-Drive vehicle insurance on young drivers' speed choice: Results of a Dutch field experiment" *Accident Analysis and Prevention* **43** (3) 1181-1186.
- Brueckner, J.K. and E.T. Verhoef (2010) "Manipulable congestion tolls" *Journal of Urban Economics* **67** (3) 315-321.
- De Blaeij, A., R.J.G.M. Florax, P. Rietveld and E.T. Verhoef (2003) "The value of statistical life: a meta-analysis" *Accident Analysis and Prevention* **35** 973-986.
- De Graaff, Th., H.L.F. de Groot, C.A. Rodenburg and E.T. Verhoef (2007) "The WTP for facilities at the Amsterdam Zuidas" *Environment and Planning* **39A** (9) 2099-2118.
- De Groot, H.L.F., E.T. Verhoef and P. Nijkamp (2001) "Energy saving by firms: decision-making, barriers and policy" *Energy Economics* **23** 717-740.
- De Jong, G., M. Kouwenhoven, J. Bates, P.R. Koster, E.T. Verhoef, L. Tavasszy and P. Warffemius (2014) "New SP-values of time and reliability for freight transport in the Netherlands" *Transportation Research Part E* **64** 71-87.
- Dementyeva, M., P.R. Koster and E.T. Verhoef (2015) "Regulation of road accident externalities when insurance companies have market power" *Journal of Urban Economics* **86** 1-8.
- Emmerink, R.H.M., E.T. Verhoef, P. Nijkamp and P. Rietveld (1996) "Information Provision in Road Transport with Elastic Demand: A Welfare Economic Approach" *Journal of Transport Economics and Policy* **30** (2) 117-135.
- Emmerink, R.H.M., E.T. Verhoef, P. Nijkamp and P. Rietveld (1996) "Endogenising demand for information in road transport" *The Annals of Regional Science* **30** 201-222.
- Emmerink, R.H.M., E.T. Verhoef, P. Nijkamp and P. Rietveld (1997) "Information in road networks with multiple origin-destination pairs" *Regional Science and Urban Economics* **27** 217-240.
- Emmerink, R.H.M., E.T. Verhoef, P. Nijkamp and P. Rietveld (1998) "Information policy in road transport with elastic demand: some welfare economic considerations" *European Economic Review* **42** 71-95.
- Emmerink, R.H.M., E.T. Verhoef, P. Nijkamp and P. Rietveld (1998) "Information effects in transport with stochastic capacity and uncertainty costs" *International Economic Review* **39** (1) 89-109.
- Gubins, S., E.T. Verhoef and T. de Graaff (2012) "Welfare effects of road pricing and traffic information under alternative ownership regimes" *Transportation Research Part A* **46** (8) 1304-1317.
- Gubins, S. and E.T. Verhoef (2014) "Dynamic bottleneck congestion and residential land use in the monocentric city" *Journal of Urban Economics* **80** 51-61.
- Knockaert, J.S.A., Y. Tseng, E.T. Verhoef and J. Rouwendal (2012) "The Spitsmijden experiment: A reward to battle congestion" *Transport Policy* **24** (1) 260-272.
- Knockaert, J., Y. Tseng and E.T. Verhoef (2013) "A revealed-preference study of behavioural impacts of real-time traffic information" *Transportation Research Part C* **30** 196-209.
- Koster, P., E. Kroes and E.T. Verhoef (2011) "Travel time variability and airport accessibility" *Transportation Research Part B* **45** (10) 1545-1559.

- Koster, P and E.T. Verhoef (2012) "A rank-dependent scheduling model" *Journal of Transport Economics and Policy* **46** (1) 123-138.
- Kouwenhoven, M., G.C. De Jong, P. Koster, V.A.C. Van den Berg, E.T. Verhoef, J. Bates and P.M.J. Warffemius (2014) "New values of time and reliability in passenger transport in The Netherlands" *Research in Transportation Economics* **47** 37-49.
- Lakshmanan, T.R., P. Nijkamp, P. Rietveld and E.T. Verhoef (2001) "Benefits and costs of transport: classification, methodologies and policies" *Papers in Regional Science* **80** (2) 139-164.
- Lindsey, C.R., V.A.C. van den Berg and E.T. Verhoef (2012) "Step tolling with bottleneck queuing congestion" *Journal of Urban Economics* **72** (1) 46-59.
- Meléndez-Hidalgo, J., P. Rietveld and E.T. Verhoef (2007) "On the change in surpluses equivalence: measuring benefits from transport infrastructure investments" *European Transport \ Trasporti Europei* **36** 107-140.
- Peer, S., J. Knockaert, P.R. Koster, Y. Tseng and E.T. Verhoef (2013) "Door-to-door travel times in RP departure time choice models: an approximation method using GPS data" *Transportation Research Part B* **58** 134-150.
- Peer, S., J. Knockaert, P.R. Koster and E.T. Verhoef (2014) "Over-reporting vs. overreacting: Commuters' perceptions of travel times" *Transportation Research Part A* **69** 476-494.
- Peer, S., C.C. Koopmans and E.T. Verhoef (2012) "Prediction of travel time variability for cost-benefit analysis" *Transportation Research Part A* **46** (1) 79-90.
- Peer, S. and E.T. Verhoef (2013) "Equilibrium at a bottleneck when long-run and short-run scheduling preferences diverge" *Transportation Research Part B* **57** 12-27.
- Pels, E. and E.T. Verhoef (2004) "The economics of airport congestion pricing" *Journal of Urban Economics* **55** 257-277.
- Peer, S., E.T. Verhoef, P.R. Koster, J. Knockaert, and Y. Tseng (2015) "Long-run versus short-run perspectives on consumer scheduling: evidence from a revealed-preference experiment among peak-hour road commuters" *International Economic Review* **56** (1) 303-323.
- Pels, E. and E.T. Verhoef (2007) "Infrastructure pricing and competition between modes in urban transport" *Environment and Planning* **39A** (9) 2119-2138.
- Proost, S., K. van Dender, C. Courcelle, B. de Borger, J. Peirson, D. Sharp, R. Vickerman, E. Gibbons, M. O'Mahony, Q. Heany, J. van den Bergh and E. Verhoef (2002) "How large is the gap between present and efficient transport prices in Europe?" *Transport Policy* **9** 41-57.
- Rienstra, S.A., P. Rietveld and E.T. Verhoef (1999) "The social support for policy measures in passenger transport: a statistical analysis for the Netherlands" *Transportation Research* **4D** 181-200.
- Rodenburg, C.A., P. Nijkamp, H.L.F. de Groot and E.T. Verhoef (2008) "Valuation of multi-functional land use by commercial investors: a case study on the Amsterdam Zuidas mega-project" *Tijdschrift voor Economische en Sociale Geografie* **99** (4) 454-469.
- Rodenburg, C.A., P. Nijkamp, H.L.F. de Groot and E.T. Verhoef (2010) "Willingness to pay for multifunctional megaprojects: a stated preference analysis among firms in the Amsterdam Zuidas area" *European Planning Studies* **18** (5) 709-735.
- Rodenburg, C.A., P. Nijkamp, H.L.F. de Groot and E.T. Verhoef (2011) "Residents' benefits of multi-functional land-use projects: A stated preference approach to a case study in Amsterdam" *International Planning Studies* **16** (4) 397-417.
- Rouwendal, J., A. de Blaeij, P. Rietveld and E.T. Verhoef (2010) "The information content of a stated choice experiment: A new method and its application to the value of a statistical life" *Transportation Research* **44B** (1) 136-151.
- Rouwendal, J. and E.T. Verhoef (2006) "Basic economic principles of road pricing: from theory to applications" *Transport Policy* **13** (2) 106-114.
- Rouwendal, J., E.T. Verhoef and J. Knockaert (2012) "Give or take: Rewards versus charges for a congested bottleneck" *Regional Science and Urban Economics* **42** (1-2) 166-176.

- Rouwendal, J., E.T. Verhoef, P. Rietveld and B. Zwart (2002) "A stochastic model of congestion caused by speed differences" *Journal of Transport Economics and Policy* **36** 407-445.
- Silva Montalva, H.E. and E.T. Verhoef (2013) "Optimal pricing of flights and passengers at congested airports and the efficiency of atomistic charges" *Journal of Public Economics* **106** 1-13.
- Silva Montalva, H.E., E.T. Verhoef and V.A.C. van den Berg (2014) "Airlines' strategic interactions and airport pricing in a dynamic bottleneck model of congestion" *Journal of Urban Economics* **80** 13-27.
- Silva Montalva, H.E., E.T. Verhoef and V.A.C. van den Berg (2014) "Airline route structure competition and network policy" *Transportation Research Part B* **67** 320-343.
- Tikoudis, I., E.T. Verhoef and J.N. Ommeren (2015) "On revenue recycling and the welfare effects of second-best congestion pricing in a monocentric city" *Journal of Urban Economics* **89** 32-47.
- Tillema, T., E.T. Verhoef, G.P. van Wee and D. van Amelsfort (2011) "Evaluating the effects of urban congestion pricing: Geographical accessibility versus social surplus" *Transportation Planning and Technology* **34** (7) 669-689.
- Tseng, Y., P. Rietveld and E.T. Verhoef (2012) "Unreliable trains and induced rescheduling: implications for cost-benefit analysis" *Transportation* **39** (2) 387-407.
- Tseng, Y. and E.T. Verhoef (2008) "Value of time by time of day: a stated-preference study" *Transportation Research* **42B** (7-8) 607-618.
- Tseng, Y., E.T. Verhoef, G. de Jong, M. Kouwenhoven and T. van der Hoorn (2009) "A pilot study into the perception of unreliability of travel times using in-depth interviews" *Journal of Choice Modelling* **2** (1) 8-28.
- Ubbels, B., P. Nijkamp, E.T. Verhoef, S. Potter and M. Enoch (2001) "Alternative ways of funding public transport" *European Journal of Transport and Infrastructure Research* **1** (1) 73-89.
- Ubbels, B. and E.T. Verhoef (2005) "Behavioural responses to road pricing: empirical results from a survey among Dutch car owners" *European Transport \ Trasporti Europei* **31** 101-117.
- Ubbels, B. and E.T. Verhoef (2006) "Acceptability of road pricing and revenue use in the Netherlands" *European Transport \ Trasporti Europei* **32** 69-94.
- Ubbels, B. and E.T. Verhoef (2008) "Auctioning concessions for private roads" *Transportation Research* **42A** (1) 155-172.
- Ubbels, B. and E.T. Verhoef (2008) "Governmental competition in road charging and capacity choice" *Regional Science and Urban Economics* **38** (2) 174-190.
- Van den Berg, V., E. Kroes and E.T. Verhoef (2009) "Choice of season cards in public transport: a study of a stated choice experiment". *European Transport \ Trasporti Europei* **40** 4-32.
- Van den Berg, V.A.C. and E.T. Verhoef (2011) "Congestion tolling in the bottleneck model with heterogeneous values of time" *Transportation Research* **45B** (1) 60-78.
- Van den Berg, V.A.C. and E.T. Verhoef (2011) "Winning or losing from dynamic bottleneck congestion pricing?: The distributional effects of road pricing with heterogeneity in values of time and schedule delay" *Journal of Public Economics* **95** (7-8) 983-992.
- Van den Berg, V.A.C. and E.T. Verhoef (2012) "Is the travel time of private roads too short, too long, or just right?" *Transportation Research Part B* **46** (8) 971-983.
- Van den Berg, V.A.C. and E.T. Verhoef (2014) "Congestion pricing in a road and rail network with heterogeneous values of time and schedule delay" *Transportmetrica A* **10** (5) 377-400.
- Van den Bergh, J.C.J.M., E.S. van Leeuwen, F.H. Oosterhuis, P. Rietveld and E.T. Verhoef (2007) "Social learning by doing in sustainable transport innovations: Ex-post analysis of common factors behind successes and failures" *Research Policy* **36** 247-259.

- Van der Weijde, A.H., E.T. Verhoef and V.A.C. van den Berg (2013) "Competition in multi-modal transport networks: A dynamic approach" *Transportation Research Part B* **53** 31-44.
- Van der Weijde, A.H., E.T. Verhoef and V.A.C. van den Berg (2014) "Hotelling models with price-sensitive demand and asymmetric transport costs: an application to public transport scheduling" *Journal of Transport Economics and Policy* **48** (2) 261-277.
- Verhoef, E.T. (1994) "Efficiency and equity in externalities: a partial equilibrium analysis" *Environment and Planning* **26A** 361-382.
- Verhoef, E.T. (1994) "External effects and social costs of road transport" *Transportation Research* **28A** (4) 273-287.
- Verhoef, E.T. (1995) "The demand curve under road pricing and the problem of political feasibility: a comment" *Transportation Research* **29A** (6) 459-465.
- Verhoef, E.T. (1999) "Time, speeds, flows and densities in static models of road traffic congestion and congestion pricing" *Regional Science and Urban Economics* **29** 341-369.
- Verhoef, E.T. (2000) "The implementation of marginal external cost pricing in road transport: long run vs short run and first-best vs second-best" *Papers in Regional Science* **79** 307-332.
- Verhoef, E.T. (2001) "An integrated dynamic model of road traffic congestion based on simple car-following theory: exploring hypercongestion" *Journal of Urban Economics* **49** 505-542.
- Verhoef, E.T. (2001) "Probing a traffic congestion controversy: a comment" *Journal of Regional Science* **41** 681-694.
- Verhoef, E.T. (2002) "Second-best congestion pricing in general static transportation networks with elastic demands" *Regional Science and Urban Economics* **32** 281-310.
- Verhoef, E.T. (2002) "Second-best congestion pricing in general networks: heuristic algorithms for finding second-best optimal toll levels and toll points" *Transportation Research* **36B** 707-729.
- Verhoef, E.T. (2003) "Inside the queue: hypercongestion and road pricing in a continuous time – continuous place model of traffic congestion" *Journal of Urban Economics* **54** 531-565.
- Verhoef, E.T. (2005) "Speed-flow relations and cost functions for congested traffic: theory and empirical analysis" *Transportation Research* **39A** (7-9) 792-812.
- Verhoef, E.T. (2005) "Second-best congestion pricing schemes in the monocentric city" *Journal of Urban Economics* **58** (3) 367-388.
- Verhoef, E.T. (2007) "Second-best road pricing through highway franchising" *Journal of Urban Economics* **62** (2) 337-361.
- Verhoef, E.T. (2008) "Private roads: auctions and competition in networks" *Journal of Transport Economics and Policy* **42** (3) 463-493.
- Verhoef, E.T. (2010) "Congestion pricing, slot sales and slot trading in aviation" *Transportation Research* **44B** (3) 320-329.
- Verhoef, E.T., R.H.M. Emmerink, P. Nijkamp and P. Rietveld (1996) "Information provision, flat- and fine congestion tolling and the efficiency of road usage" *Regional Science and Urban Economics* **26** 505-529.
- Verhoef, E.T., A. Koh and S. Shepherd (2010) "Pricing, capacity and long-run cost functions for first-best and second-best network problems" *Transportation Research* **44B** (7) 870-885.
- Verhoef, E.T. and H. Mohring (2009) "Self-financing roads" *International Journal of Sustainable Transportation* **3** (5-6) 293-311.
- Verhoef, E.T. and P. Nijkamp (1999) "Second-best energy policies for heterogeneous firms" *Energy Economics* **21** 111-134.

- Verhoef, E.T. and P. Nijkamp (2000) "Spatial dimensions of environmental policies for transboundary externalities: a spatial price equilibrium approach" *Environment and Planning* **32A** 2033-2055.
- Verhoef, E.T. and P. Nijkamp (2002) "Externalities in urban sustainability: environmental versus localization-type agglomeration externalities in a general spatial equilibrium model of a single-sector monocentric industrial city" *Ecological Economics* **40** 157-179.
- Verhoef, E.T. and P. Nijkamp (2003) "The adoption of energy efficiency enhancing technologies: market performance and policy strategies in case of heterogeneous firms" *Economic Modelling* **20** 839-871.
- Verhoef, E.T. and P. Nijkamp (2008) "Urban sustainability, agglomeration forces and the technological Deus ex Machina" *Environment and Planning* **40A** (4) 928-947.
- Verhoef, E.T., P. Nijkamp and P. Rietveld (1995) "The economics of regulatory parking policies: the (im-)possibilities of parking policies in traffic regulation" *Transportation Research* **29A** (2) 141-156.
- Verhoef, E.T., P. Nijkamp and P. Rietveld (1995) "Second-best regulation of road transport externalities" *Journal of Transport Economics and Policy* **29** (2) 147-167.
- Verhoef, E.T., P. Nijkamp and P. Rietveld (1996) "Regulatory parking policies at the firm level" *Environment and Planning C: Government and Policy* **14C** 385-406.
- Verhoef, E.T., P. Nijkamp and P. Rietveld (1996) "The trade-off between efficiency, effectiveness and social feasibility of regulating road transport externalities" *Transportation Planning and Technology* **19** 247-263.
- Verhoef, E.T., P. Nijkamp and P. Rietveld (1996) "Second-best congestion pricing: the case of an untolled alternative" *Journal of Urban Economics* **40** (3) 279-302.
- Verhoef, E.T., P. Nijkamp and P. Rietveld (1997) "The social feasibility of road pricing: a case study for the Randstad area" *Journal of Transport Economics and Policy* **31** (3) 255-276.
- Verhoef, E.T., P. Nijkamp and P. Rietveld (1997) "Tradeable permits: their potential in the regulation of road transport externalities" *Environment and Planning B: Planning and Design* **24B** 527-548.
- Verhoef, E.T. and J. Rouwendal (2004) "A behavioural model of traffic congestion: endogenizing speed choice, traffic safety and time losses" *Journal of Urban Economics* **56** (3) 408-434.
- Verhoef, E.T. and J. Rouwendal (2004) "Pricing, capacity choice and financing in transportation networks" *Journal of Regional Science* **44** (3) 405-435.
- Verhoef, E.T., J. Rouwendal and P. Rietveld (1999) "Congestion caused by speed differences" *Journal of Urban Economics* **45** 533-556.
- Verhoef, E.T. and K.A. Small (2004) "Product differentiation on roads: constrained congestion pricing with heterogeneous users" *Journal of Transport Economics and Policy* **38** (1) 127-156.
- Verhoef, E.T., J.C.J.M. van den Bergh and K.J. Button (1997) "Transport, spatial economy and the global environment" *Environment and Planning* **29A** 1195-1213.
- Verhoef, E.T. and G.P. van Wee (2000) "Car ownership and status: implications for fuel efficiency policies from the viewpoint of theories of happiness and welfare economics" *European Journal of Transport and Infrastructure Research* **0** (0) 41-56.
- Vreeker, R., H.L.F. de Groot and E.T. Verhoef (2004) "Urban multifunctional land use: theoretical and empirical insights on economies of scale, scope and diversity" *Built Environment* **30** (4) 289-307.
- Wang, J.Y.T., H. Yang and E.T. Verhoef (2004) "Strategic interactions of bilateral monopoly on a private highway" *Networks and Spatial Economics* **4** 203-235.
- Wang, S., P. Nijkamp and E.T. Verhoef (2003) "Modelling externalities between ecological and economic systems" *Zeitschrift für Umweltpolitik und Umweltrecht (Journal of Environmental Law and Policy)* 2003/4, 395-415.

Zhang, R. and E.T. Verhoef (2006) "A monopolistic market for advanced traveller information systems and road use efficiency" *Transportation Research* **40A** (5) 424-443.

Books

Button K.J. and E.T. Verhoef (eds.) (1998) *Road Pricing, Traffic Congestion and the Environment: Issues of Efficiency and Social Feasibility* Edward Elgar, Cheltenham.

Feitelson, E. and E.T. Verhoef (eds.) (2001) *Transport and Environment: In Search of Sustainable Solutions* Edward Elgar, Cheltenham.

Maddison, D., D. Pearce, O. Johansson, E. Calthrop, T. Litman and E. Verhoef (1996) *Blueprint 5: The True Cost of Transport* Earthscan, London.

Small, K.A. and E.T. Verhoef (2007) *The Economics of Urban Transportation* Routledge, London.

Verhoef, E.T. (1996) *Economic Efficiency and Social Feasibility in the Regulation of Road Transport Externalities* PhD-thesis, Thesis Publishers, Amsterdam.

Verhoef, E.T. (1996) *The Economics of Regulating Road Transport* Edward Elgar, Cheltenham.

Verhoef, E.T. (ed.) (2010) *The Economics of Traffic Congestion* (Volumes I and II), The International Library of Critical Writings in Economics 244, Edward Elgar, Cheltenham.

Verhoef, E.T., M. Bliemer, L. Steg and G.P. van Wee (2008) *Pricing in Road Transport: A Multi-Disciplinary Perspective* Edward Elgar, Cheltenham.