

SHORT BIOGRAPHIES, KEY REFERENCES AND LIST OF PUBLICATIONS

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LR. MARK BRUSSEL AND PROF. TALAT MUNSHI (COLLABORATORS TO THE SP)

DR. MARK ZUIDGEEST

Dr Mark Zuidgeest graduated as a civil engineer from the University of Twente in The Netherlands and earned his doctorate degree from the TRAIL Netherlands Research School for Transport, Infrastructure and Logistics with a PhD dissertation on Sustainable Urban Transport Development in 2005. Currently, Mark works as assistant professor Urban Transport in the department of Urban and Regional Planning and Geo-Information Management (Faculty Geo-information Science and Earth Observation (ITC)) and with the Centre for Transport Studies (Faculty Engineering Technology) both part of the University of Twente. His main fields of research and professional interest are sustainable urban transport development, non-motorized transport, geographical information science for transportation and road infrastructure, as well as methods and models for urban transport planning and assessment, primarily in cities in developing countries. He has been working in Tanzania, Kenya, Ghana, South Africa, India, Brazil, Indonesia and Philippines both for research as well as education.

KEYWORDS:

Transport and development, Transport and environment, incl. climate change, Non-motorized transport (NMT), Geo-information systems for Transport (GIS-T), Land – use Transport Integration, incl. Urban form

SELECTED PUBLICATIONS:

1. Massink, R., **Zuidgeest, M.H.P.**, Rijnsburger, J., Sarmiento Dueñas, O.L., and Maarseveen, M.F.A.M. van (n.d.). The climate value of cycling using shadow pricing: case of Bogotá, Colombia. *Natural Resources Forum* [under review]
2. Beukes, E.A., Vanderschuren, M., and **Zuidgeest, M.H.P.** (n.d.). Context sensitive multimodal road planning: a case study in Cape Town, South Africa. *Journal of Transport Geography* [under review]
3. Wismadi, A., Brussel, M.J.G., **Zuidgeest, M.H.P.**, Sutomo, H., Nugroho, L.E., Maarseveen, M.F.A.M. van (n.d.). Modeling infrastructure interdependency to determine economic development potential of a location: a spatial statistical approach using FIS and OLS. *Computers, Environment and Urban Systems* [under review]
3. Nkurunziza, A., Maarseveen, M.F.A.M. van, **Zuidgeest, M.H.P.** (n.d.) Identifying potential bicycle travel market segments using the stages of change model in Dar- es-Salaam, Tanzania. *Transport Policy* [under review]
4. Jain, H., Tiwari, G.T., **Zuidgeest, M.H.P.** (2010). Evaluating bicyclists comfort and safety perception. *Proceedings 12th World Conference on Transport Research*, Lisbon, Portugal.
5. De Souza, F.C., Bodmer, M., Brussel, M.J.G., and **Zuidgeest, M.H.P.** (2009). Oportunidades para bicicleta como meio de transporte no rio de janeiro: rumo à inclusão social. *Proceedings Congresso Latino Americano de Transporte Público (CLATPU)* [in Portuguese]
6. Schepel, S. and **Zuidgeest, M.H.P.** (2009). Urban form and planning for people friendly cities. In: Godefrooij, T., Sagaris, L. and Pardo, C. (EDS.). *Cycle-Inclusive Policy Development: A Handbook*, GTZ/Sustainable Urban Transport Project (SUTP).
7. **Zuidgeest, M.H.P.**, Rouwette, A.M. and Kager, R. (2009). Researching cycling needs and possibilities. In: Godefrooij, T., Sagaris, L. and Pardo, C. (EDS.). *Cycle-Inclusive Policy Development: A Handbook*, GTZ/Sustainable Urban Transport Project (SUTP).
8. **Zuidgeest, M.H.P.**, Rouwette, A.M. and de Jong, H. (2009). Identifying bicycle networks for better cities. In: Godefrooij, T., Sagaris, L. and Pardo, C. (EDS.). *Cycle-Inclusive Policy Development: A Handbook*, GTZ/Sustainable Urban Transport Project (SUTP).
9. Keshkamat, S., Looijen, J.M., and **Zuidgeest, M.H.P.** (2009). The formulation and evaluation of transport route planning alternatives: A spatial decision support system for the Via Baltica project, Poland. *Journal of Transport Geography*, Vol. 17, page 54-64.
10. Nguyen Ngoc, Q., **Zuidgeest, M.H.P.**, and Brussel, M.J.G. (2008). Development of an integrated GIS-based land use and transport model for studying land-use relocation in Hanoi, Vietnam. *Proceedings of CODATU 2008*, Ho Chi Minh, Vietnam.

11. Munshi, T.M., Brussel, M.J.G., and **Zuidgeest, M.H.P.** (2008). Developing a geo-spatial urban form – travel behaviour model for the city of Ahmedabad, India. *Proceedings of CODATU 2008*, Ho Chi Minh, Vietnam.
12. Zuilekom, K.M. van, and **Zuidgeest, M.H.P.** (2008). A decision support system for the preventive evacuation of people in a dike - ring area. In: *Geospatial information technology for emergency response* / ed. by S. Zlatanova and J. Li. London: Taylor & Francis, 2008. ISBN 798-0-415-42247-5 (ISPRS Book series), page 329-349.
13. Dalumpines, R., Kuffer, M., **Zuidgeest, M.H.P.** and Brussel, M.J.G. (2008). Using remote sensing and GIS in developing indicators to support urban transport ecological footprint analysis. *CD rom Proceedings Earsel/GISDECO conference 2008*, Istanbul, Turkey.
14. **Zuidgeest, M.H.P.**, and Maarseveen, M.F.A.M. van (2006). Sustainable urban transport development: a modelling approach. *Proceedings of The Sustainable City conference 2006*, Tallinn, Estonia, page 659 – 669.
15. Krabbenbos, J., Maarseveen, M.F.A.M. van, and **Zuidgeest, M.H.P.** (2002). Evaluating access road structures for built-up areas from a sustainable transport perspective. *Proceedings of the Urban Transport and the Environment conference 2002, Sevilla, Spain*.
16. Akinyemi, E.O. and **Zuidgeest, M.H.P.** (2002). Managing transportation infrastructure for sustainable development. *Computer-Aided Civil and Infrastructure Engineering*, Vol. 17(3), page 148 – 161.
17. Kager, R.M. and **Zuidgeest, M.H.P.** (2001). Towards socio-economic performance analysis using a hybrid travel demand model: An explorative case study in Indonesia. *Proceedings of the 9th World Conference on Transport Research (WCTR)*, Seoul, Korea.
18. Hamideh, A.R., Sinha, K.C., Howe, J.D.G.F. and **Zuidgeest, M.H.P.** (2000). Transportation planning under uncertainty: the case of Metropolitan Jerusalem. *Proceedings CODATU IX conference, Mexico City, Mexico*.
19. Akinyemi, E.O. and **Zuidgeest, M.H.P.** (2000). Sustainable development & transportation: past experiences and future challenges. *World Transport Policy and Practice*, Vol. 6(1), page 31 – 39.
20. Sambali, G., **Zuidgeest, M.H.P.** and Langen, M. de (1998). Determinants of cycling in medium and large cities in Sub-Saharan Africa. *Selected Proceedings 8th World Conference on Transport Research, Antwerp, Belgium*, page 419 – 430.

MAIN COLLABORATORS TO THE SMALLER PROJECT:

PROF. TALAT MUNSHI

Talat Munshi is Associate Professor at the Faculty of Planning and Public Policy at CEPT University in Ahmedabad, India. He teaches graduate students subjects on transport planning/modelling and urban economics and is also engaged in graduate students' supervision and currently chairs the dissertation program at the institute. Prior to this position, he was an Associate Fellow and Area Convener at "Centre for Urban Systems and Infrastructure" at The Energy and Resources Institute (TERI) in New Delhi, India, where he engaged in consulting, research at TERI and graduate teaching at TERI University. He also worked at the International Institute for Geo-information Technology and Earth Observation (ITC) in The Netherlands as Lecturer in Transport Planning where apart from academics he was involved in restructuring of the Geo-information Management Course. His research interests include working on interface between urban planning and transport and use geo-information application tools to understand the relation. Before becoming an academic, he worked in local urban government, dealing with local area planning, institutional reforms and project planning for infrastructure projects. He is currently finalizing his Ph.D. from University of Twente and has a MSc in Geo-information for ITC in the Netherlands, a M.Tech in Environmental Planning and a B.Tech in Construction Technology from CEPT University in India.

LR. MARK BRUSSEL:

Mark Brussel is Lecturer Urban infrastructure Planning in the department of Urban and Regional Planning and Geo-Information Management (Faculty Geo-information Science and Earth Observation ITC) of the University of Twente in The Netherlands. Mark graduated as a civil engineer from Delft University of Technology in The Netherlands. He has experience as a consultant in the planning, engineering and construction of drinking water and sewerage systems, primarily in cities in developing countries. In the last 12 years he is specializing in the application of GIS and Remote Sensing in urban infrastructure systems. Specific expertise includes the analysis of utility organization processes and the development of appropriate GIS data models and analytical routines for the engineering, planning and operation and maintenance of infrastructure networks. Lately he has been working in the areas of land-use transport integration, infrastructure impacts, public transport and non-motorised transport integration (cycling in particular). He has worked and lived abroad for several years in Pakistan, Yemen and Indonesia.

THIS VREF SMALLER PROJECT WAS EXECUTED IN CLOSE COLLABORATION WITH PROFESSOR DR. GEETAM TIWARI OF VREF CENTRE OF EXCELLENCE IN TRIPP/IIT-DELHI, INDIA AND DR. ANVITA ARORA (FORMER IIT-DELHI, NOW ITRANS, LTD.).