

Curriculum vitae Prof.dr. Mark Zuidgeest

Full Name	Mark H.P. Zuidgeest
Date of birth	January 23, 1974
Nationality	Dutch
Telephone	+27216504756 (office)
E-mail	mark.zuidgeest@uct.ac.za

Appointments

Full Professor (Prof.dr.), SANRAL Chair in Transport Planning and Engineering at the University of Cape Town, Faculty of Engineering & the Built Environment, [Centre for Transport Studies \(CfTS\)](#), Rondebosch, South Africa

Specific research interests: transport geography, cities, climate change, transport justice, developing countries, non-motorized transport, transport economics, choice modelling, travel demand modelling, network optimization.

Previous and other Appointments

2013 – 2018	Associate Professor 'Transport Planning and Engineering', University of Cape Town, Faculty of Engineering & the Built Environment, Centre for Transport Studies (CfTS) , Cape Town, South Africa
2006 – 2013	Assistant Professor 'Transport Engineering' (part-time), University of Twente, Centre for Transport Studies (CTS/CTW), Enschede, The Netherlands
2003 – 2013	Assistant Professor 'Transport Engineering', University of Twente, Centre for Transport Studies (CTS/CTW), Enschede, The Netherlands
1999 – 2003	Lecturer 'Transport Engineering', University of Twente, Centre for Transport Studies (CTS/CTW), Enschede, The Netherlands
1997 – 1999	Lecturer 'Transport Engineering for Development', International Institute for Infrastructural, Hydraulic and Environmental engineering (UNESCO-IHE-Delft), Delft, The Netherlands

Education and Training

April 2005	Ph.D., Transport Studies, The Netherlands Research School for Transport, Infrastructure and Logistics (TRAIL) , University of Twente, The Netherlands, April 2005
August 1997	M.Sc.(Eng.), Civil Engineering, School of Civil Engineering and Management, specialization: Transport Engineering & Management , University of Twente, The Netherlands.

Management and Leadership

- **Deputy head of department**, department of Civil Engineering, Faculty of Engineering & the Built Environment, University of Cape Town, 2019 – present
- **Director**, Undergraduate Studies Civil Engineering, Faculty of Engineering & the Built Environment, University of Cape Town, 2018 – present
- **Director**, Carnegie Project 'Growing the Next Generation of Academics in Africa', department of Civil Engineering, University of Cape Town. 2015 – present

Research Leadership

Researcher metrics and NRF rating

- *h*-index: 24 (Google scholar, December 2021)
- *i10*-index: 47 (Google scholar, December 2021)
- National Research Foundation (NRF): Established researcher, category C2 (2016 – 2021)

Journals

- **Associate editor**, Journal of Transport Geography (2017 impact factor: 2.675), 2018 – present
- **International editorial board**, Journal of Transport Geography (2017 impact factor: 2.675), 2016 – 2018
- **Editorial board**, Journal of the South African Institution of Civil Engineering (SAICE), 2014 – present
- **Guest editor**, special issues for African Cities Journal (2019), Journal of Choice Modelling (2018), ISPRS International Journal of Geo-Information (2015)

Conferences

- **Scientific Organising Committee**, 6th International Choice Modelling Conference (ICMC), 19 – 21 August 2019, Kobe, Japan.
- **Scientific Organising Committee**, 5th International Seminar on Tropical Eco-Settlements (ISTEcS), 14 – 15 November 2018, Bali, Indonesia
- **Conference Chair**, 5th International Choice Modelling Conference (ICMC), Cape Town South Africa, 3 – 5 April 2017.
- **Seminar Chair**, Use of Technology and the Role of Research in the Advancement of Road Safety, 2016 World Road Association (PIARC) Council Annual Meeting, Cape Town, 22 September 2016.
- **Seminar Chair**, Transport and Logistics in South Africa: Chances for Cooperation, Dutch Trade-mission and Dutch Prime Minister State Visit to South Africa, Cape Town, South Africa, 19 November 2015.

External engagements (academic)

- **International advisory board member**, Transportation Research Center Kumasi, [Kwame Nkrumah University of Science and Technology](#), Kumasi, Ghana, 2018 – present
- **Visiting professor**, Department of Civil Engineering, [Universitas Muhammadiyah Yogyakarta](#), Indonesia, 11 – 15 September 2017
- **External affiliate**, [Choice Modelling Centre](#), University of Leeds, United Kingdom, 2017 – present
- **Visiting professor**, [Sungkyunkwan University \(SKKU\)](#), Seoul, South Korea, annually, 2011 – present.

Journal Publications since 2014

1. Tamuka Moyo, H.T., Zuidgeest, M., Van Delden, H. (2021), Lessons Learned from Applying an Integrated Land Use Transport Planning Model to Address Issues of Social and Economic Exclusion of Marginalised Groups: The Case of Cape Town, South Africa, In: *Urban Science* 5 (1), 10.
2. Mokwena, O.H. & Zuidgeest, M., (2020), Identifying transport policy gaps in student travel demand management in South Africa, In: *Journal of Transport and Supply Chain Management*, 14(0), a522. <https://doi.org/10.4102/jtscm.v14i0.522>
3. Konstantinus, A., Zuidgeest, M.H.P., Hess, S., De Jong, G. (2020). Assessing inter-urban freight mode choice preference for short-sea shipping in the Southern African Development Community region. In: *Journal of Transport Geography*, 88(2020), 102816
4. Plano, C., Behrens, R., Zuidgeest, M.H.P. (2020). Towards evening paratransit services to complement scheduled public transport in Cape Town: A driver attitudinal survey of alternative policy interventions. In: *Transportation Research Part A: Policy and Practice*, 132, February 2020, pp. 273-289.
5. Du Preez, D., Zuidgeest, M.H.P., Behrens, R. (2020). A quantitative clustering analysis of paratransit route typology and operating attributes in Cape Town. In: *Journal of Transport Geography*, 80(October 2019), 102493.
6. Nnene, O., Joubert, J., Zuidgeest, M.H.P. (2019). An agent-based evaluation of transit network design. In: *Procedia Computer Science*, 151(2019), pp. 757 – 762.
7. Nnene, O., Joubert, J., Zuidgeest, M.H.P. (2019). Transit network design with meta-heuristic algorithms and agent based simulation. In: *IFAC-Papers Online*, Delft, The Netherlands, 52(3), pp. 13 – 18.
8. Zuidgeest, M.H.P. (2019). The Journal of Transport Geography's role in closing the African transport research gap. In: *Journal of Transport Geography*, 81(December 2019), 102598.
9. Robertson, A., Armitage, N., Zuidgeest, M. (2019). Stormwater runoff quality on an urban highway in South Africa. In: *Journal of the South African Institution of Civil Engineering*, 61(2), pp. 51 -56.
10. Teffo, M., Zuidgeest, M.H.P., Earl, A. (2019). Understanding public transport needs in Cape Town's informal settlements: a best-worst scaling approach. In: *Journal of the South African Institution of Civil Engineering*, 61(2), pp. 39 - 50.
11. Dada, M., Zuidgeest, M., Hess, S. (2019). Modelling pedestrian crossing choice behaviour on Cape Town freeways: caught between a rock and a hard place? In: *Transportation Research – part F: Traffic Psychology and Behaviour*, 60(2019), pp. 245 – 261.
12. Irlam, J., Zuidgeest, M. (2018). Barriers to Cycling Mobility in a Low-Income Community in Cape Town: A Best-Worst Scaling Approach. In: *Case Studies in Transport Policy*, 6(2018), pp. 815 – 823.
13. Tamuka Moyo, H.T., Zuidgeest, M.H.P. (2018). Analysing the temporal location of employment centres relative to residential areas in Cape Town. A spatial metrics approach. In: *Journal of Transport and Land Use*, 2018:11(1), pp. 519 - 540.
14. Munshi, T., Brussel, M., Zuidgeest, M., Van Maarseveen, M. (2018). Development of employment sub-centres in the city of Ahmedabad, India. In: *Environment and Urbanization ASIA*, 9(1), pp. 1 – 15.
15. Bakker, S., Guillen, M., Nanthachatchavankul, P., Zuidgeest, M., Pardo, C., van Maarseveen, M. (2017). Hot or not? The role of cycling in ASEAN megacities: case studies of Bangkok and Manila. In: *International Journal of Sustainable Transportation*, 0(0), pp. 1-16.
16. Nnene, O.A., Zuidgeest, M.H.P., and Beukes, E.A. (2017). Application of metaheuristic algorithms to the improvement of the MyCiTi BRT network in Cape Town. In: *Journal of the South African Institution of Civil Engineering*. 2017:59(4), pp. 56-63.
17. Bakker, S., Contreras, K.D., Kappiantari, M., Nguyen, T.A., Guillen, D., Gunthawong, G., Zuidgeest, M.H.P., Liefferink, D., and Van Maarseveen, M.F.A.M. (2017). Low-carbon transport policy in four ASEAN countries: developments in Indonesia, the Philippines, Thailand and Vietnam. In: *Sustainability* 9(7):1217-1233.
18. Singh, Y.J., Lukman, A., Flacke, J., Zuidgeest, M., and Van Maarseveen, M.F.A.M. (2017). Measuring TOD around transit nodes – Towards TOD policy. In: *Transport Policy*, 56(2017), pp. 96-111.
19. Sinclair, M., Zuidgeest, M. (2016) Investigations into pedestrian crossing choices on Cape Town freeways. In: *Transportation Research – part F*, 42(3), pp. 479-494.
20. Aljoufie, M., Brussel, M.J.G., Zuidgeest, M.H.P., van Delden, H. and van Maarseveen, M.F.A.M. (2016). Integrated policy analysis of land-use and transport policy interventions. In: *Transportation Planning and Technology*, 39(4), pp 329 – 357.
21. Wismadi, M., Brussel, M.J.G., Zuidgeest, M.H.P. and van Maarseveen, M.F.A.M. (2015). Equitable distribution of growth for utilitarian and non-utilitarian infrastructure planning. In: *Infrastructure Complexity*, 2:8 (2015).
22. Sanders, P., Zuidgeest, M.H.P., Geurs, K.T. (2015). Liveable streets in Hanoi: a principal component analysis. In: *Habitat International*, 49(2015), pp. 547 – 558.
23. Teunissen, T., Sarmiento, O., Zuidgeest, M., Brussel, M. (2015) Mapping equality in access: The case of Bogotá's sustainable transportation initiatives. In: *International Journal of Sustainable Transportation*, 9(7), pp. 457-467.
24. Roy, P., Zuidgeest, M.H.P., Martinez, J.A., Miscione, G. and van Maarseveen, M.F.A.M. (2015). Phone call elasticity of city travel in Ahmedabad. In: *Travel Behaviour and Society*, 2(1), pp. 15-25.
25. Shumi, S., Zuidgeest, M.H.P., Martinez, J., Efrogmson, D. and van Maarseveen, M.F.A.M. (2015). Understanding the relationship between walkability and quality-of-life of women garment workers in Dhaka, Bangladesh. In: *Applied Research in Quality of Life*, 10(2), June 2015, pp. 263 - 287.
26. Bakker, S., Zuidgeest, M., De Coninck, H., Huizenga, C. (2014). Transport, Development and Climate Change Mitigation: Towards an Integrated Approach. In: *Transport Reviews*, 34(3), pp. 335-355.
27. Munshi, T., Zuidgeest, M.H.P., Brussel, M.J.G. and van Maarseveen, M.F.A.M. (2014) Logistic regression and Cellular Automata-based modelling of retail, commercial and residential development in the city of Ahmedabad, India. In: *Cities: the International Journal of Urban Policy and Planning*, 39(August 2014), pp. 68-86.
28. Singh, Y., Fard, P., Zuidgeest, M.H.P., Brussel, M.J.G. and van Maarseveen, M.F.A.M. (2014). Measuring transit oriented development: a spatial multi criteria assessment approach for the City Region Arnhem and Nijmegen. In: *Journal of Transport Geography*, 35, pp. 130-143.
29. Wismadi, A., Zuidgeest, M.H.P., Brussel, M.J.G. and van Maarseveen, M.F.A.M. (2014) Spatial preference modelling for equitable infrastructure provision : an application of Sen's Capability Approach. In: *Journal of Geographical Systems: Geographical Information, Analysis, Theory and Decision*, 16, pp. 19-48.