



Zane Simpson

Qualifications

2013 MComm in Transport Economics, University of Stellenbosch

2008 Honours BComm (cum laude) in Operations Research, University of Stellenbosch

2007 BComm in Logistics Management, Operations Research and Quantitative Analysis, University of Stellenbosch

Speciality

Logistics costs, freight modelling

Overview of research interests

Quantitative modelling, data analysis, data processing, scenario planning, supply chain

Publications

Accredited Journals

1. SIMPSON Z, HAVENGA JH, Revitalization of Branch Lines in South Africa: A long-term view for sustainability. *Journal of Transport and Supply Chain Management* 2010; 4(1) : 243-254.
2. HAVENGA JH, PIENAAR WJ, SIMPSON Z. A case for measuring logistics costs on a national level: A South African application. *Corporate Ownership and Control* 2011; 8(3) : 622-631.
3. HAVENGA JH, SIMPSON Z, FOURIE P, DE BOD A. Sustainable freight transport in South Africa: Domestic intermodal solutions. *Journal of Transport and Supply Chain Management* 2011; 5(1) : 149-169.
4. HAVENGA JH, PIENAAR WJ, SIMPSON Z, VAN EEDEN J. Long term container volume forecasting: Decoupling gross domestic product and container movements. *Corporate Ownership and Control* 2012; 9(3) : 217-229.
5. HAVENGA JH, KING D, SIMPSON Z, GOEDHALS-GERBER LL, DE BOD A. Container terminal spatial planning - a 2041 paradigm for the Western Cape Province in South Africa. *Journal of Transport and Supply Chain Management* 2012; 6(1) : 180-191.
6. HAVENGA JH, SIMPSON Z, KING D, LANZ EJ, GOEDHALS-GERBER LL, DE BOD A. Extending Freight Flow Modelling to Sub-Saharan Africa to inform Infrastructure Investments - Trade Data Issues. *Journal of Transport and Supply Chain Management* 2012; 6(1) : 192-206.

7. SWARTS S, HAVENGA JH, , KING D, SIMPSON Z, GOEDHALS-GERBER LL. Calculation of freight externality costs for South Africa. *Journal of Transport and Supply Chain Management* 2012; 6(1) : 207-22
8. HAVENGA JH, SIMPSON Z, DE BOD. South Africa's domestic intermodal imperative. *Research in Transportation Business & Management* 2012; 5: 38–47.
9. HAVENGA JH, SIMPSON Z, DE BOD. Trends in South Africa's Freight Logistics Costs. *Journal of Transport and Supply Chain Management* 2013; 7(1)
10. HAVENGA JH, SIMPSON ZP, DE BOD A, PIENAAR WJ. Rail benchmarking – new paradigms: A South African position 2013. 11(1) : 19-26
11. HAVENGA JH, SIMPSON Z. Reducing National Freight logistics costs risk in a high-oil-price environment: A South African case study. *The International Journal of Logistics Management* 2014; 25(1) : 35-53
12. HAVENGA JH, SIMPSON Z, DE BOD D. South Africa's freight rail reform: a demand-driven perspective. *Journal of Transport and Supply Chain Management* 2014; 8(1) : 153-159
13. HAVENGA JH, SIMPSON Z, DE BOD D. Freight transport demand modelling: A South African case study. *Corporate Ownership and Control* 2014; 12(1): 193-202.

Proceedings on conferences

1. HAVENGA JH, DE JAGER N, VAN EEDEN J, SIMPSON Z. The State of Logistics in South Africa - Perspectives from Research. 28th Annual South African Transport Conference (SATC), CSIR ICC, Pretoria, South Africa, 2009: 577-586.
2. HAVENGA JH, VAN EEDEN J, SIMPSON Z. The state of Logistics in South Africa: Infrastructure and the environment - reversing the decline. 12th World Conference on Transport Research, Instituto Superior Técnico, Lisbon, Portugal, Society 2010: 1-16.
3. HAVENGA JH, SIMPSON Z. Branch Line Closures: Streamlining or destroying capacity. 12th World Conference on Transport Research, Instituto Superior Técnico, Lisbon, Portugal, 2010: 1-20.
4. HAVENGA JH, SIMPSON Z, VAN EEDEN J. The state of logistics in South Africa - sustainable improvements or continued exposure to risk. 29th Southern African Transport Conference (SATC 2010), Pretoria, South Africa, 2010: 714-722.
5. HAVENGA JH, VAN EEDEN J, SIMPSON Z. Logistics costs in South Africa: From business risk to environmental concern. 15th Annual Logistics Research Network, Majestic Hotel, Harrogate, Yorkshire, United Kingdom, The Chartered Institute of Logistics and Transport 2010: 1-9.
6. HAVENGA JH, SIMPSON Z. Research priorities for sustainable branch line revitalisation in South Africa. *Transitions to Sustainability: Proceedings of the 4th International Conference on Sustainability Engineering and Science*, Auckland, New Zealand, 2010: 1-11.
7. HAVENGA JH, SIMPSON Z, FOURIE P. The state of logistics in South Africa - quantifying total national costs. 14th International Conference on Transport Science (ICTS 2011), Grand Hotel Metropol, Portoroz, Slovenia, Slovenian Society for Transport Science 2011: 1-12.
8. HAVENGA JH, SIMPSON Z, FOURIE P. A business case for domestic intermodal freight solutions in South Africa. 16th Annual Logistics Research Network Conference, University of Southampton, Southampton, United Kingdom, Logistics Research Network 2011: 1-10.
9. HAVENGA JH, SIMPSON, Z, DE BOD, A. "Long term container forecasting – decoupling gross domestic product and container movements" at the Key Developments in the Port and Maritime Sector conference, University of Antwerp, Belgium. (21-22 May, 2012)
10. HAVENGA JH, SIMPSON Z DE BOD A. "Freight logistics cost in South Africa – lower relative costs, higher risk" at the Key Developments in the Port and Maritime Sector conference, University of Antwerp, Belgium. (21-22 May, 2012)
11. HAVENGA JH, SWARTS S, SIMPSON Z, GOEDHALS-GERBER LL. Towards a full determination of freight transport externality costs - The case for South Africa. *International Symposium on Logistics*, Pavillion, V & A Waterfront, Cape Town, South Africa, Centre for Concurrent Enterprise

2012: 690-701.

12. HAVENGA JH, SIMPSON Z. National level logistics cost measurement for South Africa - identification of risk factors. International Symposium on Logistics, Pavillion, V & A Waterfront, Cape Town, South Africa, Centre for Concurrent Enterprise 2012: 708.
13. HAVENGA JH, SIMPSON Z, KING D, GOEDHALS-GERBER LL. Calculation of freight externally costs for South Africa - a working paper. Logistics Research Network's 17th Annual Conference, University of Cranfield, Cranfield, United Kingdom, Cranfield University 2012: 96.
14. HAVENGA JH, SIMPSON Z, KING D, DE BOD A, GOEDHALS-GERBER LL. Extending freight flow modelling to Southern Africa - requirements for renewal. Logistics Network's 17th Annual Conference, University of Cranfield, Cranfield, United Kingdom, Cranfield University 2012: 90.
15. HAVENGA JH, SIMPSON Z, KING D, GOEDHALS-GERBER LL. Container terminal spatial planning - a 2040 paradigm for the Western Cape Province in South Africa. Logistics Research Network's 17th Annual conference, University of Cranfield, Cranfield, United Kingdom, Cranfield University 2012: 80.
16. HAVENGA JH, SIMPSON Z, DE BOD A. Logistics costs in South Africa Current results and global trends to inform future measurement at the 25th Nordic Logistics Research network Conference, University of Göteborg, 3-5 June, 2013
17. HAVENGA JH, SIMPSON Z, DE BOD A. The relevance of commodity flow modelling in freight transport demand forecast at the 25th Nordic Logistics Research network Conference, University of Göteborg, 3-5 June, 2013
18. HAVENGA JH, SIMPSON Z, DE BOD, A. Container terminal spatial planning - a 2040 paradigm for the Western Cape Province in South Africa" at 13th World Conference on Transport Research, Rio de Janeiro, 15-18 July, 2013
19. HAVENGA JH, SIMPSON Z, DE BOD A. Global benchmarking of South Africa's freight rail system – A macroeconomic view 13th World Conference on Transport Research, Rio de Janeiro, 15-18 July, 2013
20. HAVENGA JH, SIMPSON Z, DE BOD, A. Deconstructing Container Forecasting: Commodity-Based Supply Chain Analysis. Canadian Transportation Research Forum's 49th Annual Conference, Windsor, Ontario, Canada, 1-4 June
21. HAVENGA JH, SIMPSON Z, DE BOD A. South Africa's Emerging Rail Policy Environment: From Misguided Liberalisation to Funding Imperatives. Canadian Transportation Research Forum's 49th Annual Conference, Windsor, Ontario, Canada, 1-4 June 2014
22. HAVENGA JH, SIMPSON Z, DE BOD A. Rail Policy Based on Demand and Socio-Economic Development, Rather than Competition, a Return to Development State Ideals? 19th annual Logistics Research Network, Huddersfield University, United Kingdom, 3-5 September 2014
23. HAVENGA JH, SIMPSON Z, VILJOEN N, DE BOD A. The Impact of the Fuel Price as Exogenous Cost Driver in South African Logistics Costs – Evidence that Demands Action. 19th annual Logistics Research Network, Huddersfield University, United Kingdom, 3-5 September 2014