

At a Glance



ANNUAL REPORT 2016/17

ITLS (Africa)

Institute of Transport and
Logistics Studies (Africa)
Department of Transport and
Supply Chain Management



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The Department of Transport and Supply Chain Management was established in 1968 and is widely recognized for its education, training and research in the fields of transport economics, logistics and supply chain management.

The Institute of Transport and Logistics Studies (Africa) was created within the Department of Transport and Supply Chain Management at the University of Johannesburg in response to industry's need for independent, unbiased, relevant and up-to-date research.

In 2007 ITLS (Africa) partnered with the Institute of Transport and Logistics Studies at the University of Sydney for a five year period, as part of a plan to enhance collaboration between the universities, advance information sharing and dissemination and build research ties. In 2013, the MOU with ITLS at the University of Sydney was extended for a further five years.

To maximize the impact of transport and supply chain research on the South African society and economy, the ITLS (Africa) provides specialist high-level research services for both the private and public sectors, focusing on the most urgent research priorities in the country.

ITLS (Africa) has, at its core, the skills, experience and network as well as a long history of providing research excellence to both the public and private sectors, in topics ranging from policy and government strategy to various customized transport solutions in all modes of transport.





BOARD MEMBER	COMPANY / INSTITUTION	REPRESENTATIVE OF
Mr Mervin Chetty	Transnet SOC (Ltd)	Maritime sector
Mr Abrie de Swardt	Consultant (Abrie de Swardt & Associates)	Supply Chain Management
Prof David Hensher	ITLS, University of Sydney	International
Mr Thys Heyns	Larimar Group	Public transport sector
Mr Hans Ittmann	Private	Research Associate ITLS (Africa)
Ms Thandeka Mgoduso	Jojobe Investments	Transport in general
Dr Carol Nonkwelo	University of Johannesburg	UJ Executive Director (Research and Innovation)
Prof Gerrie Prinsloo	University of Johannesburg	UJ Department of Transport and Supply Chain Management
Mr Piet van Hoven	BA/Comair	Aviation sector
Hon Dr Ismail Vadi	MEC, Department of Roads and Transport (Gauteng Provincial Government)	Public sector
Prof Daneel van Lill	Executive Dean, UJ	UJ College of Business and Economics
Vacant		Rail sector
Prof Jackie Walters	University of Johannesburg, ITLS (Africa)	ITLS (Africa)





OBJECTIVES

The objectives of the Institute of Transport and Logistics Studies (Africa) are:

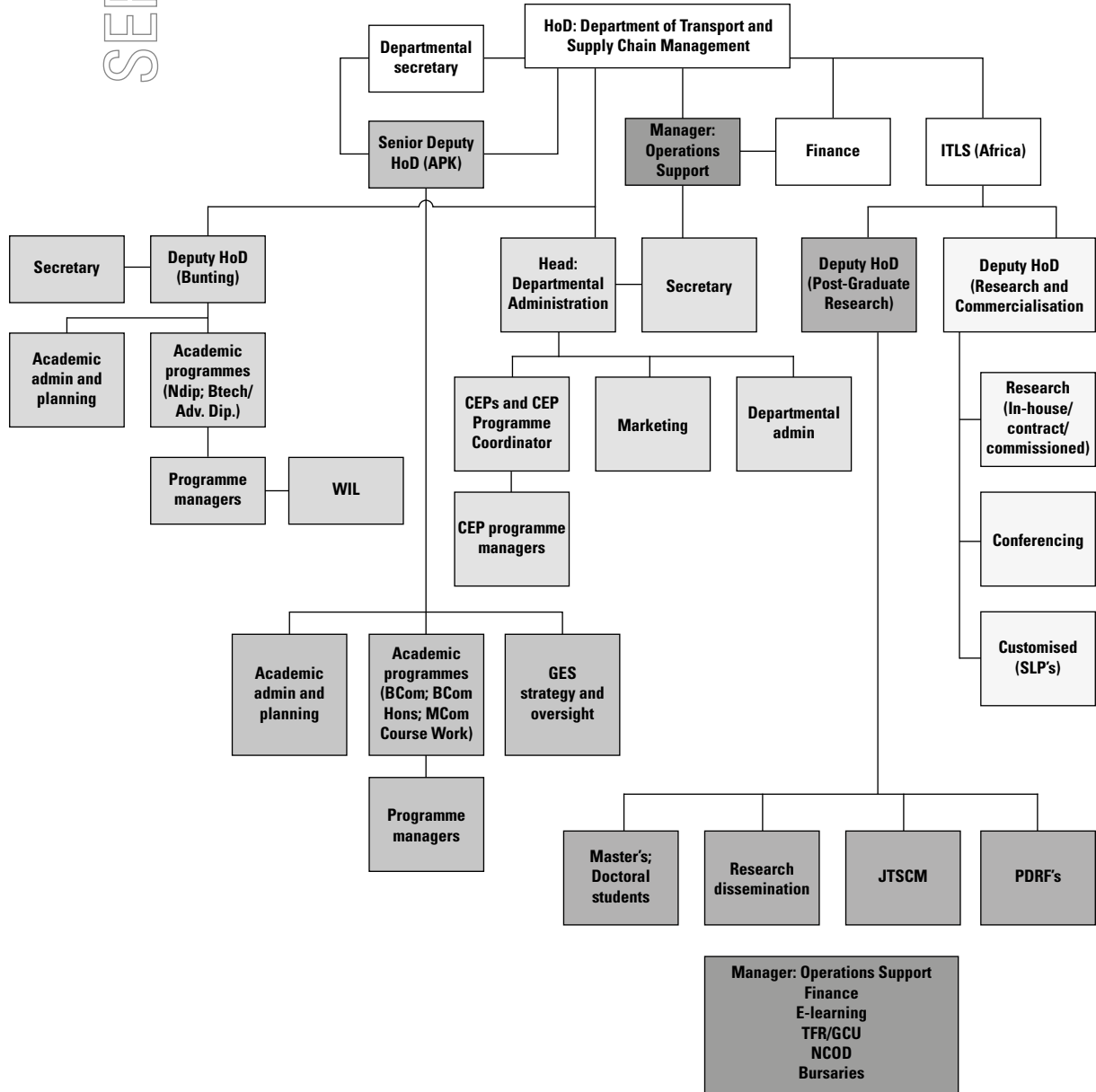
- To continuously study the transport, logistics and supply chain business environments in South and southern Africa.
- To establish a data base on critical and key transport and supply chain trends in South and southern Africa.
- To secure commercial research projects by offering customized client-focused research solutions.
- To optimize, manage and market the dissemination of applied and new knowledge of Masters and Doctoral students.
- To develop a research culture to increase academic output
- To publish research findings through public debates, symposia, briefing sessions and publications.
- To make a meaningful contribution to the southern African transport, logistics and supply chain body of knowledge, including the provision of specialized training programmes.





SERVICES

The services provided by ITLS (Africa) were determined based on our objective to continuously study the transport, logistics and supply chain business environments in South and southern Africa. The structure of the services is therefore designed to enable maximum academic research, which is financed through revenue bearing research streams such as conferences, customized courses and commissioned research.





OVERVIEW

ITLS (Africa) does research in a number of key areas. Internal research projects range from ongoing surveys to determine trends in the transport, logistics and supply chain management fields, to one-off specialist research projects aimed at addressing the most important current research requirements in transport and logistics in South and southern Africa. In addition to its internal research activities, ITLS (Africa) undertakes commissioned research on behalf of stakeholders in the transport, logistics and supply chain sectors.

Skills gap research

The skills gaps in the transport and supply chain sector are frequently discussed in transport and supply chain forums, news articles, public debates and other open discussions, but remain largely unidentified. To determine more accurately the skills that the transport and supply chain industries require, ITLS (Africa) initiated a skills gap survey in 2011. This survey was developed based on a number of pre-tested survey instruments and refined during a peer review process. The first survey was conducted at the annual SAPICS conference in Sun City in 2011, the largest supply chain conference in South Africa. The initial survey results were presented at the Association for Operations Management in Southern Africa (SAPICS) conference in June 2012. Based on the results of the study, an article was published in the Journal for Transport and Supply Chain Management in September 2012.

Due to the awareness created by the initial survey, researchers at ITLS (Africa) were convinced of the value in following up the initial survey and continuing to pursue the research topic. The second skills survey was conducted at the annual SAPICS conference in Sun City in June 2012. In 2013, the survey was extended to include the opinions of students on their perceptions of the skills gap in the industry. Approximately 1 800 students were surveyed in this process. The results of the student survey were analysed and compared with the industry results. The student survey has since been repeated annually. This survey has also been conducted amongst students in Zimbabwe and Namibia, with plans to extend it to other countries in the region.

The practitioners survey was conducted once again at SAPICS in June 2017. This survey has also been conducted amongst practitioners in Namibia and plans are underway to conduct this amongst practitioners within the rest of the region.

To date, the skills gap research has led to two non-peer reviewed publications, one peer reviewed article, eight peer reviewed conference proceedings and numerous non-peer reviewed conference presentations. The latest one is scheduled to take place at the Gauteng Provincial Freight Seminar in October 2017. The industry and media interest in these survey results has led to the research being embedded as an annual survey(s) which will be conducted amongst industry role players as well as students from many institutions at various levels of study.



State of Transport Opinion Survey in South Africa (TOPSA)

The TOPSA survey, originally launched in 2012, with the intention to gauge South African's confidence in transport related issues, were not conducted during 2016. It was decided that, due to cost considerations, the survey should be run bi-annually. Although no new survey data was generated, research papers produced from the previous survey database were presented at the annual South African Transport Conference (SATC 2017) held in Pretoria, South Africa and at the Conference on Infrastructure Development and Investment Strategies for Africa (DII 2017) held at Livingstone, Zambia during 2017.

The potential cost implications of public transport contract risks: The views of bus operators in South Africa

In South Africa, like many countries internationally, the funding of public transport contracts are continuously being scrutinised in the light of tight economic circumstances. In designing public transport contracts it is important that an appropriate risk-share dispensation be considered to ensure that the relevant entity (the authority and/or operator) carries the risk that it is best suited to manage. Inappropriate risk-sharing arrangements can result in additional costs being factored into contract bids by operators thus increasing the overall cost of public transport funding for the authority. In addition, the design of the contract e.g. net cost versus gross cost (and associated risk apportionment) could have a bearing on the ultimate cost of the contract.

This research explores the views of 15 contracted bus operators representing 4950 buses in South Africa about their views on contract risks, based on their experiences of such contracts over many years of public transport contracting. The lessons learned from this research will assist contracting authorities in understanding how operators respond and view risks associated with various controllable and uncontrollable matters related to public transport contracting. A paper detailing the research findings was delivered at the 15th Biennial Thredbo Conference in Stockholm, Sweden in August 2017. It is envisaged that the research will be published in an international journal in 2018.

Air Cargo and Logistics – Classics and contemporary practice

The book entitled Air Cargo and Logistics is in the process of being compiled by, authors Prof Rico Merkert [ITLS, Sydney] and Prof Jackie Walters [ITLS, Africa]. The book comprises of the following categories:-

- Airline Management and the specifics of air cargo
- International air cargo policy, security and liberalization
- Air cargo business models and the rise of integrated express services
- Air cargo revenue management and pricing
- Cargo airline network planning (including Hubs)
- Air cargo alliances and joint ventures
- Air freight and global supply chains
- Environmental impact of air freight
- Current trends and back to the future

The book is expected to be published in 2018.



ITLS's research capacity is expanded by means of the inclusion of master's and doctoral students into the ITLS (Africa) structure. This ensures that research at this level remains focused and aligned with the national research imperatives, thereby adding relevance and value to South and southern Africa's local body of knowledge.

REGISTERED MASTER'S STUDENTS

Name of student	Field of research	Dissertation Based	Course Work
H Baloyi	The efficacy of collaborative relationships between goods manufacturers and logistics companies when managing transport operations		✓
C Bhasera	Last mile logistics omni-channel grocery retailing		✓
T Buthelezi	Effective procurement and stock keeping strategies for rapidly advancing electrical maintenance spares		✓
N Hadebe	Distribution cost benefit analysis of the Fast Moving Consumer Goods Sector for Nestle South Africa		✓
N Karam	MDP: An evaluation of an omni-channel distribution opportunity for a leading South African chemical organization		✓
L Kiggell	Using fourth party logistics outsourcing to manage courier distribution - A case study		✓
A Kotze	MDP: Outsourcing of logistics functions and activities and how it can support Merensky Timber (Pty) Ltd in managing the demand and supply of durable hardwood products in South Africa and abroad		✓
T Makgato	Customer service in the distribution environment of an alcohol beverage company in Gauteng		✓
RS Mashava	Factors influencing rail traffic between South Africa and Swaziland		✓
S Mkhize	The impact of the industrial development zones in increasing export and foreign direct investment: an exploratory study to Dube Transport Corporation and Richards Bay Industrial Development Zone		✓



D Monyela	Value proposition of e-procurement solution in relation to the investment: a case study of Sasol Ltd.		✓
R Moses	A technology based strategy to mitigate GHG emissions in the supply chain industry: a case study of UTi Pharma		✓
K Mwarumba	Collaborating for effective Humanitarian Logistics		✓
PE Obianga	Analysing the pricing patterns of air passenger fares in sub-Saharan Africa	✓	
S Prinsloo	Challenges faced by South African grocery retailers in last mile e-commerce delivery	✓	
OK Sebitlo	Benchmarking South African practices on public-private partnerships in transport against the four largest developing economies	✓	
T Singh	Determining the factors that create an optimised supply chain design in an engineering organisation		✓
L Sithole	The impact of measuring driver performance on bulk fuel supply chain		✓
Van der Merwe	The impact of quality master data on organisational supply performance		✓

Pre-registered dissertation based Master's students

Name of student	Field of research
R Chesworth	Curbing carnage on SA roads: A critical review of the issuing of Professional Driving Permits in the SA Freight and Passenger transport industry.
N Kambule	An Analysis of the Gautrain Strategic Objectives
C Uriesi	Passenger Perceptions of Metrorail Services in Johannesburg
M van Wyk	The impact of media on manufactured goods supply chains in South Africa



Master's graduations

Name of Student	Title of Study	Date of graduation	Dissertation based	Course Work
L Basson	Optimising the inventory management purchasing of the supply chain network of an FMCG Company	June 2017		✓
JD Bredenkamp	The supply chain value-adding role of strategic sourcing: A case study	June 2017		✓
C Karrappan	A database for benchmarking of information for supply chain service providers in South Africa	April 2017		✓
E Koster	The impact of implementing a transport management system by a fertilizer supplier in South Africa	June 2017		✓
S Kosmas	Key challenges in the outbound pharmaceutical cold chain	June 2017	✓	
O Mailula	Supply chain responsiveness as a means to a competitive advantage in the manufacturing sector	April 2017		✓
H Makan	Progress made in reducing emissions of Green House Gases in long haul freight	October 2017		✓
R Mokgwetsi	The investigation of water side operational efficiencies at the Durban container terminal	April 2017		✓
M Sithole	Managing the employer/contractor relationship in Eskom Power delivery projects	April 2017		✓
D Raza	The usefulness of point-of-sale data in demand planning within the South African	June 2017	✓	



REGISTERED DOCTORAL STUDENTS

O Atiga	A comparative analysis of the public and private medical commodity supply chains in Ghana, the case of the last mile delivery in the Upper East Region
L Dimitrov	Evaluating the impact of new public transport investments
G Heyns	An assessment of the supply chain skills gap in South Africa
L Jacobs	Impact of the implementation of Single Exit Pricing on the South African pharmaceutical supply chain
J Mageto	Logistics outsourcing and performance of small and medium sized manufacturing enterprises in Nairobi, Kenya
N Tshetu	The impact of the Yamoussoukro declaration on Airlines
D Raza	Diversified service provision and the success of freight forwarding in South Africa

Pre-registered doctoral students

Name of student	Field of research
S Aigbavboa	Outsourced logistics in corporate sector of Nigeria with emphasis on pharmaceutical logistics
DE Dzarma	Operational risk management in agricultural supply chains
D Lambani	A Review of Roads Infrastructure Policy in South Africa- Historical trends and current challenges
S Thule	Relationship between unethical business practices and total logistics costs



MASTERS AND DOCTORAL RESEARCH GROWTH STRATEGY

As part of its ongoing strategy to increase the number of masters' students, improve research publications and raise the intake of doctoral students, a new coursework master's degree (MCom Business Management) with a specialization in supply chain management was introduced in January 2011. The following table sets out the number of graduates between 2013 and 2017 for the respective qualifications:

YEAR	Dissertation-based Master's	Course work Master's MCom	Doctorate
	Graduates	Graduates	Graduates
2013	2	3	0
2014	2	6	1
2015	0	3	1
2016	2	3	1
2017	2	8	0
TOTAL	8	23	3

A further development in the ongoing refinement of the master's programme is the acceptance into the curriculum of multi-disciplinary research projects (MDP's) into the final year. Traditionally, students on the MCom Business Management Programme have had to submit a minor dissertation. Whilst students still have this option, they now also have the option of working in multi-disciplinary teams on research projects proposed by industry. This allows students to work on cross-cutting issues on real world problems, thereby exposing them to issues typically facing industries in South Africa. The first graduates on the multi-disciplinary projects received their degrees in September 2013.





ITLS (Africa) has started its own publication, the Journal of Transport and Supply Chain Management, and is the first of its kind in South Africa. The journal, which is an electronic or e-journal, was first published in November 2007 following a process of approval for publication. The journal contains peer-reviewed articles by local and international transport and supply chain specialists. As from January 2010, the journal has been fully accredited by the Department of Higher Education. The ninth edition of the journal was published in November 2016. The Editor of the Journal is Prof S Kruger and the day-to-day administration is outsourced to African Online Scientific Information Systems (Pty) Ltd (AOSIS), a professional publishing company that manages (amongst other) academic journals. The format of the journal was amended in 2012 from being an annual journal to an ongoing open access publication. This has enabled authors to have their work published at any stage during the year rather than waiting for end-of-year publication, this resulting in a fast turn-around time for authors as well as co-authors containing more topical data and research.



A total of 158 articles has been published since the inception of the Journal in 2007. It is evident that the Journal is fulfilling a major gap in the dissemination of transport and supply chain research in the country.

The current version (2017) can be viewed in full at: <http://jtscm.co.za/index.php/jtscm>

The following table contains an overview of the articles published to date for the year 2017 (the 2017 edition has not yet been closed) and 2016.

Year	Article	Authors
2017	Drivers and barriers of reverse logistics practices: A study of large grocery retailers in South Africa	A Meyer W Niemann J Mackenzie J Lombaard
	The impact of point-of-sale date in demand planning in the South African clothing retail industry	P Kilbourn DN Raza
	Benchmarking criteria for evaluating third-party logistics providers in South Africa	C Karrappan M Sishange E Swanepoel P Kilbourn



	Supply Chain bottlenecks in the South African construction industry: Qualitative insights	P Pillay C Mafini
	Spatial relationship and movement patterns of the air cargo industry in airport regions	PJ van V Coetzee PA Swanepoel
	Rail freight transportation concerns of developing economies: A Namibian perspective	F Saruchera
	Minimising negative externalities cost using 0-1 mixed integer linear programming model in e-commerce environment	A Tetteh S Dsane-Nsor
	System dynamics comparison of three inventory management models in an automotive parts supply chain	A Botha J Grobler VSS Yadavalli
	A multi-objective fuzzy mathematical approach for sustainable reverse supply chain configuration	JD Darbari V Agarwal VSS Yadavalli D Galar PC Jha
	Private-public partnerships: A mechanism for freight transport infrastructure delivery?	HW Ittmann
	Problems affecting the operational procurement process: A study of the Zimbabwean public sector	ADzuke MJA Naude
	The impact of green supply chain management in small to medium enterprise: Cross-sectional evidence	C Mafini A Muposhi
	The correlation between relationship value and business expansion in the South African automotive supply chains	AS Tolmay
	The temperature profile of an apple supply chain: A case study of the Ceres district	AG duToit LL Goedhals-Gerber
2016	Freight corridor performance measurement system: A framework for South Africa	JH Havenga A de Bod
	Passenger choice attributes in choosing a secondary airport: A study of passenger attributes in using Lanseria International Airport	E Kriel J Walters
	Supply Chain design approaches for supply chain resilience: A qualitative study of South African fast-moving consumer goods grocery manufacturers	A Agigi W Niemann T Kotzé
	A green profitability framework to quantify the impact of green supply chain management in South Africa	N Coetzee WL Bean
	Predicting the throughput of grain products at the multipurpose terminal at the Port of Cape Town	LL Goedhals-Gerber



The latest 'big thing' for South African companies: Enterprise and supplier development – proposing an implementation framework	RID Poee
Supply Chain management best practices: A case of humanitarian aid in Southern Africa	NK Ngwenya MJA Naude
Prioritising the implementation of practices to overcome operational barriers in reverse logistics	A Badenhorst
Transportation decisions of small businesses in Soweto: Balancing responsiveness and efficiency	T Eicker JO Cilliers
A logistics Barometer for South Africa: Towards sustainable freight mobility	JH Havenga A de Bod ZP Simpson N Viljoen D King
Challenges faced by small-bus operators in participating in the formal public transport system	J Walters L Manamela
Fuzzy VIKOR approach for selection of big data analyst in procurement management	S Bag
Supply chain integration: A qualitative exploration of perspectives from plastic manufacturers in Gauteng	Y Vermeulen W Niemann T Kotzé
Supply chain integration in the South African conveyancing environment	AP Amadi-Echendu LP Krüger
Flexible procurement systems is key to supply chain sustainability	S Bag
Determinants of satisfaction with campus transportation services: Implications for service quality	F Charbatzadeh U Ojiako M Chipulu A Marshall
South African public sector procurement and corruption: Inseparable twins?	PH Munzhedzi
Tuk-tuk, 'new kid on the block' in Johannesburg: Operational and user travel characteristics, competition and impacts	TC Mbara
The composite supply chain efficiency model: A case study of the Sishen-Saldanha supply chain	LL Goedhals-Gerber





ITLS (Africa) hosted a number of TransportSIG events during the course of 2016/2017 in order to provide appropriate forums for transport, logistics and supply chain information exchange and debate. These events have been very well attended with average attendance between 120 and 180 delegates per session.

In October 2016, ITLS (Africa) hosted TransportSIG for Transport month. The theme for this full day event was “Reviewing transport strategies and legislation”. Presenters included Professor Jackie Walters (Department of Transport and Supply Chain Management, University of Johannesburg); Mr Moeti Kgamanyane (Director: Transport Policy Monitoring and Evaluation); Mr Matthias Handshin (Alstom Southern Africa Holdings (Pty) Ltd); Mr Malcolm Hartwell (Director: Norton Rose Fulbright South Africa Inc); Mr Whity Maphakela (Director: Road Infrastructure and Industry Development, Department of Transport); Mr Muhammed Suleman (Associate lecturer in Transportation Planning, University of the Witwatersrand); Mr Hariesh Manaadiar (General Manager, Diamond Shipping Services (Pty) Ltd); Ms Hlengiwe Sayd (Director: Rail Policy & Strategy Development, Department of Transport); Mr Alex van Niekerk (Manager, SANRAL); Ms Alta Swanepoel (Alta Swanepoel & Associates); Hon Dr Ismail Vadi (MEC: Department of Road and Transport, Gauteng Provincial Government) and Mr Jack van der Merwe (Team Leader Gauteng Transport Plan and CEO (Gautrain Management Agency (GMA)).

The first event for 2017 was held in March where the theme was “Servicing the Last Mile”. Speakers were Mr Harry van Huyssteen (Custodian, Transport Forum); Dr Noleen Pisa (Department of Transport and Supply Chain Management, University of Johannesburg); Mr Gary Marshall (CEO, South African Express Parcel Association); Mr Mike Daniel (CEO, Rail Runner South Africa (Pty) Ltd); Mr LeRoy Ratnayake (Country Head – South Africa, Roambee Corporation); Mr Gary McCraw (Director, National automobile Dealers Association); Ms Yolisa Kani (Head, Public Policy, UBER); and Mr Brian Ndona (Product Manager, eButler)

TransportSIG celebrated its 10th anniversary on 06 April 2016 and the theme was “Transport Sector Overview – The past ten years. The speakers for the full day session were Mr Harry van Huyssteen (Custodian, Transport Forum); Mr Themba Tenza (Acting DDG: Integrated Transport Planning, Department of Transport); Dr Leo Petkoon (Managing Director, LP Projects); Ms Rehana Moosajee (Rehana Moosajee Consulting); Mr Jack van der Merwe (Team Leader Gauteng Transport Plan and CEO (Gautrain Management Agency (GMA), Dr Andrew Hutchinson (International Programme Executive CyberSecurity, T-Systems International); Mr Erik Venter (CEO, Comair Ltd/Kulula.com); Mr Neil Frost (CEO, iSAHA), Mr Andrew Marsay (Transport Economist and Mr Riad Khan.

A special TransportSIG was held on 20 April 2017. The theme was “Toll Roads”. Presenters for this session included Prof Jackie Walters (Department of Transport and Supply Chain Management, University of Johannesburg); Prof David Hensher (Founder and Director of the Institute of Transport and Logistics Studies (ITLS) Sydney) and Mr Alex van Niekerk (South African National Roads Agency Limited).



The third session of 2017 took place on 07 September and was themed “Optimising the retail value chain” This session featured Mr Harry van Huyssteen (Custodian, Transport Forum); Mrs Cynthia Celliers (Department of Transport and Supply Chain Management, University of Johannesburg); Mr Themba Tenza (Chief Director, Research and Development, Department of Transport); Mr Martin Bailey (Chairman, Industrial Logistics Systems); Mr Mpumi Nhlapo (Hed: Demand Management, T-Systems South Africa); Mr Garth Bolton (Joint Chief Executive Officer, Gargo Carriers Ltd) and Mr Eugene van Niekerk (Ctrack Fleet Management SA (Pty) Ltd).

The final transport forum for the year took place on 05 October 2017 during Transport Month. The theme for the event was “What are organisations doing to be successful”.

Since the inception of TransportSIG in 2009, approximately 337 papers have been read that are freely available on the TransportSIG website www.transportsig.com and provides a useful reference to the latest trends and developments in the transport and supply chain industries in South Africa.

Other Conference Presentations

- Minibus Taxi Industry Challenges in a South African Metropolitan City: Perceptions of Passengers, Drivers and Associations, 10th International Business Conference, Club Mykonos, Langebaan (L. Modisane, H. Maletse, N. Mthimkulu & G. Heyns, September 2016)
- Possibilities of sustainable transport in the City of Johannesburg (CoJ), in South Africa, International Conference on Industrial Engineering and Operations Management, Michigan, USA (S.C. Thaba, September 2016)
- Sustainable enterprise development through strategic sourcing within the transport sector of City of Johannesburg, South Africa (International Conference on Industrial Engineering and Operations Management, Michigan, USA (S.C. Thaba, September 2016)
- Socio-economic challenges within the transport sector hindering sustainable transport in the City of Johannesburg (International Conference on Industrial Engineering and Operations Management, Michigan, USA (S.C. Thaba, September 2016)
- Institutional arrangements and corporate investment decisions: A literature review, 10th International Business Conference, Club Mykonos, Langebaan (N. Pisa, September 2016)
- Transport Policy and Strategy. Month of Transport Celebrations, TransportSIG. Cedarwood Park (J. Walters, October 2016)
- Enterprise development in the waste management sector: a review, 7th International Conference on Industrial Engineering and Operations Management, Morocco, Rabat (SC Thaba, TT. Chingono and C. Mbohwa, April 2017)
- Current status of cycling lanes at University of Johannesburg, 7th International Conference on Industrial Engineering and Operations Management, Morocco, Rabat (S.C. Thaba and L. Jacobs, April 2017)
- Options to reduce the cost of public transport contracting. SABOA Annual Conference CSIR Conference Centre (J. Walters, May 2017)



- The Failure of Transport Megaprojects: Lessons from Developed and Developing Countries. Pan-Pacific Conference XXXIV Proceedings, Pan-Pacific Business Association. (R. Luke, C. Savage, A. Jenkins & L. Fransman, May 2017).
- Relationship Between Logistics and Trade: A South African Ecological Study. Pan-Pacific Conference XXXIV Proceedings, Pan-Pacific Business Association, Lima, Peru (R. Luke & N.M. Pisa, May 2017).
- Delivering the Required Supply Chain Management Skills in Developing Economies. Pan-Pacific Conference XXXIV Proceedings, Pan-Pacific Business Association, Lima Peru (R. Luke & G. Heyns, May 2017)
- Drivers for reverse logistics in South Africa: a Taxonomic review, 25th World Congress on Engineering, London UK (S.C. Thaba, July 2017)
- Towards Sustainable Cities: Prospects and Dangers of Cycling Bicycles in the City of Johannesburg, 25th World Congress on Engineering, London, UK (S.C. Thaba, July 2017)
- Drivers of Sustainable supply chain management in South Africa. A Total Interpretive Structural Method (TISM) based review, 25th World Congress on Engineering, London, UK (S.C. Thaba, July 2017)
- The state of transport opinion poll South Africa: A four-year review (2012-2015)". Paper accepted for the 36th Annual Southern African Transport Conference – Southern African solutions to public transport challenges, CSIR. Pretoria, South Africa, (G. Heyns & R. Luke, July 2017)
- Measuring commuters' perceptions of service quality of selected public bus services in the City of Johannesburg". Paper accepted for the 36th Annual Southern African Transport Conference – Southern African solutions to public transport challenges, CSIR. Pretoria, South Africa, (G. Heyns & R. Luke, July 2017)
- The potential cost implications of public transport contract risks in South Africa, Thredbo 15 Conference, Stockholm Sweden (J. Walters, August 2017)
- Selection criteria for South African third-party logistics service providers. 11Th International Business Conference, Dar Es Salaam, Tanzania (C. Karrappan, M. Sishange, E. Swanepoel and P. Kilbourn, September 2017)
- Evaluating the nature of supply chain collaboration: a case study of Imperial logistics. 11th International Business Conference. Dar Es Salaam, Tanzania (N.M. Pisa & G. Heyns, September 2017)
- The role of information flow and technology in supply chain collaboration – A case study of LOGWIN logistics. 11th International Business Conference. Dar Es Salaam, Tanzania (A. Gaobidiwe, I. van Wyk, M. Dlamini & N.M. Pisa, September 2017)
- User perspectives on transport infrastructure in Johannesburg: Challenges and opportunities for the public sector. Proceedings of the 4th international conference in infrastructure and investment strategies for Africa. The Development and Investment in Infrastructure (DII) Conference Series. Livingstone, Zambia (R Luke, September 2017)
- Importance of transport infrastructure for socio-economic development: A South African public opinion survey. Proceedings of the 4th international conference in infrastructure and investment strategies for Africa. The Development and Investment in Infrastructure (DII) Conference Series. Livingstone, Zambia, (G. Heyns & R. Luke, September 2017)



Thredbo 15 Conference

The 15th conference, marking 30 years since the inaugural conference was held in Thredbo (Australia), took place in Stockholm, Sweden. 220 delegates attended from 30 countries, across six continents. The Thredbo Series was established in 1989 by Professor David Hensher and the late *Professor Michael Beesley CBE*. Since this time it has been held biennially in locations all over the world: Tampere, Finland, 1991; Toronto, Canada, 1993; Rotorua, New Zealand, 1995; Leeds, UK, 1997; Cape Town, South Africa, 1999; Molde, Norway, 2001; Rio de Janeiro, Brazil, 2003; Lisbon, Portugal, 2005; *Hamilton Island, Australia, 2007; Delft, The Netherlands, 2009; Durban, South Africa, 2011; Oxford, UK, 2013; Santiago, Chile, 2015; and Stockholm, Sweden, 2017.*

The International Steering Committee consists of the following members:-

- *Professor David Hensher* (Chair) Institute of Transport and Logistics Studies, University of Sydney Business School, Australia
- *Dr Gunnar Alexandersson* Stockholm School of Economics Institute for Research, Sweden
- Professor Joaquim de Aragão University of Brasília, Brazil
- Brendan Finn European Transport and Telematics Systems Ltd, Dublin, Ireland
- Professor Rosário Macário Instituto Superior Técnico, Portugal
- *Professor Rico Merkert* Institute of Transport and Logistics Studies, University of Sydney Business School, Australia
- *Professor Juan Carlos Muñoz* Pontificia Universidad Católica de Chile, Chile
- *Professor John Preston* University of Southampton, UK
- *Professor John Stanley* Institute of Transport and Logistics Studies, University of Sydney Business School, Australia
- Didier Van de Velde Delft University of Technology and inno-V, The Netherlands
- *Professor Jackie Walters* Institute of Transport and Logistics Studies, Africa. University of Johannesburg, South Africa
- *Ruth Steel* (Conference Series Manager) Institute of Transport and Logistics Studies, University of Sydney Business School, Australia



In addition to research-based activities, ITLS (Africa) also offers customized training courses to sector role players. To date, the Institute has created and offered customized training courses for a number of key South African role players including Transnet, the South African Post Office, the University of Liege/Transport SETA and the Gauteng Portfolio Committee on Transport.

Transnet Freight Rail (TFR)/ Glasgow Caledonian University

TFR identified a major training gap in rail operations in the organization. In an alliance between TFR, the Glasgow Caledonian University, ITLS (Africa) and the Institute of Rail Operators in Britain, a course was identified to address these needs through Certificate, Diploma and Degree programmes. ITLS (Africa) has been involved in this course from a development, managerial and presentation perspective. The first intake of students (TFR employees) started in April 2012. The success of this venture developed into an extension of the contract between UJ and Transnet with intakes of students in 2013, 2014 and 2015. A further extension was agreed upon in August 2017 resulting in an additional 5 cohorts of students registering in 2017, 2018, 2019, 2020 and 2021. This extension also incorporated the offering of a Honor's and Master's Degree. The total number of students to be trained is estimated at 1160.





gates A12 - A13



gates A9 - A10

gates A9 - A10

Prof Jackie Walters

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