

At a Glance



ANNUAL REPORT 2018/19

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, as part of a plan to enhance collaboration between the universities, advance information sharing and dissemination and build research ties. In 2018, the MOU with ITLS at the University of Sydney was extended for a further five years.

To maximise the impact of transport and supply chain research on the South African society and economy, 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 customised transport solutions in all modes of transport.





BOARD OF ADVISORS 2018/19

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 Hans Ittmann	Private	Research Associate ITLS (Africa)
Dr Peter Kilbourn	University of Johannesburg	UJ Department of Transport and Supply Chain Management
Prof Rose Luke	University of Johannesburg	UJ Department of Transport and Supply Chain Management
Mr Francois Meyer	Golden Arrow Bus Services	Public Transport Sector
Ms Thandeka Mgoduso	Jojobe Investments	Transport in general
Dr Carol Nonkwelo	University of Johannesburg	UJ Executive Director (Research and Innovation)
Dr Noleen Pisa	University of Johannesburg	UJ Department of Transport and Supply Chain Management
Mr Piet van Hoven	BA/Comair	Aviation sector
Dr Ismail Vadi	Previous MEC, Department of Roads and Transport (Gauteng Provincial Government)	Public sector
Prof Daneel van Lill	Executive Dean, University of Johannesburg	UJ College of Business and Economics
Prof Jackie Walters	University of Johannesburg, ITLS (Africa)	ITLS (Africa)
Vacant		Rail Sector





OBJECTIVES

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

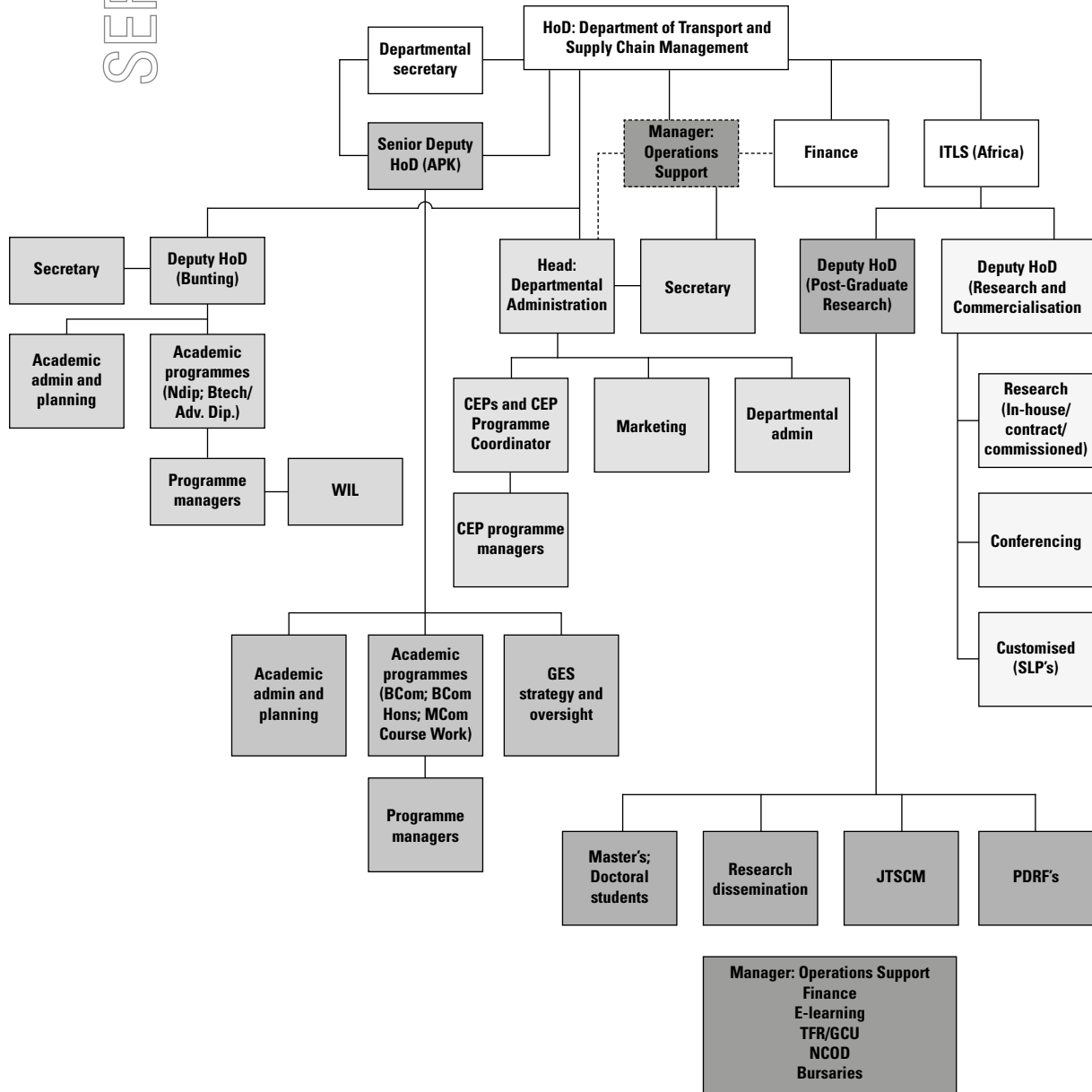
- To continuously study the transport, logistics and supply chain business environments in South and southern Africa.
- To establish a database on critical and key transport and supply chain trends in South and southern Africa.
- To secure commercial research projects by offering customized client-focused research solutions.
- To optimise, manage and market the dissemination of applied and new knowledge of Masters and Doctoral students.
- To develop a research culture and to increase academic output
- To publicise 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, customised courses and commissioned research as shown in the figure below:





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

Supply chain skills are in notorious short supply in South Africa and it is estimated that this situation has not improved in any meaningful way over the past few years. The supply chain management skills gap in South Africa is a major constraint to sustainable economic growth and development. Although thousands of students are trained and educated every year, the supply chain talent shortage still remains acute. Since 2011, ITLS (Africa) has conducted several practitioner and student focused skills gap surveys. The initial survey results were presented at the SAPICS conference in June 2012 and an article was published in the Journal for Transport and Supply Chain Management in September 2012 and is a frequently cited publication on the supply chain skills shortage in South Africa. During 2019 the latest student and practitioners surveys were conducted.

The importance of regular research into the area also resulted in collaboration with other universities and regions in Southern Africa, including:

- Student survey at Stellenbosch University
- Practitioners and student survey in Namibia
- Student survey in Zimbabwe
- Investigation of the effectiveness of internships, learnerships and graduate training programmes
- Student, practitioner and academic surveys and interviews in Kenya

To date, the skills gap research has led to two non-peer reviewed publications, two peer reviewed articles, ten peer reviewed conference proceedings and numerous non-peer reviewed conference presentations. An article on the skills gap in Kenya is currently under review. Not only is the latest student and practitioner surveys currently being developed into articles (anticipated to be ready for publication in early 2020), comparative articles between South Africa, Kenya and Zimbabwe are currently being developed.

MOU with the World Bank

A Memorandum of Understanding (MOU) was signed in August 2018 with the World Bank (WB) (as the lead institution), the World Resources Institute (WRI), the World Council on Transportation and Research Society (WCTRS) and five African Universities (University of Dar es Salaam, Tanzania; The University of Nairobi, Kenya; The Institut National Polytechnique Félix Houphouët-Boigny, Côte d'Ivoire; Cheikh Anta Diop University,



Dakar, Senegal and the Institute of Transport and Logistics Studies (ITLS), University of Johannesburg) to further, amongst other the following:

- Joint research (between two or more parties);
- Exchange programmes for capacity building;
- Joint training programmes

The development and implementation of the MOU will be under the guidance of Mr Ibou Diouf, Programme Manager: Africa Transport Policy Program (ATPP) of the World Bank. Mr Diouf is a Senior Transport Specialist of the WB, and, in particular, in the sub-Saharan Africa Transport Program (SSATP).

It is envisaged that this MOU will result in a range of new activities for ITLS (Africa) that will be focused on sub-Sahara Africa. South Africa will formally join SSATP in November 2019. Prof Walters was invited to attend the SSATP meeting in November where the South African membership will be formalised.

Travel behaviour of Gauteng residents

The Institute of Transport and Logistics Studies (Africa) at the University of Johannesburg is conducting a survey to determine the travel patterns of Gauteng residents. The aim of the survey is to understand the nature of residents' daily trips (travel patterns) as well as the factors that would be taken into account in future trips including which mode of transport to use. The survey seeks information on commuters recent experience using various modes of transport, the characteristics of the mode(s) of transport recently used as well as specific information about respondents' regular work week trips. The outcomes of the survey will be published in peer reviewed conference proceedings and academic journals.



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 national research imperatives, thereby adding relevance and value to South and southern Africa's local body of knowledge. The proceeding tables show the current registered masters' and doctoral students as well as the graduates.

REGISTERED MASTER'S STUDENTS

Name of student	Field of research	Dissertation Based	Course Work
S Buringo	Socio-Economic impact of Cape Town container terminal infrastructure improvements initiatives	✓	
DT Diane	Environmental sustainability as a factor for selecting a third party logistics service provider		✓
P Dibetso	The potential establishment of a luxury bus coach as an alternative public passenger service		✓
C Erends	The importance of the fourth industrial revolution in driving supply chain optimisation		✓
A Fassetta	Impact of implementing cross-docking facilities within a third party logistics service provider		✓
G Joorst	Category management purchasing: organisational change and resilience		✓
K Khitsane	Assessing the viability of block-chain technology implementation on the supply chain in the KwaZulu-Natal corridor		✓
N Kambule	The success, failure and risks of transport megaprojects: An analysis of the Gautrain	✓	
C Khumalo	Evaluating small and medium enterprises (SME's) logistics problems in the City of Johannesburg Municipality	✓	
A Kotze	The link between financial performance and supply chain process strategy		✓
XM Maluleke	Towards an advanced sales and operations planning process: A special focus on a South African based multinational FMCG company		✓



T Maphumulo	Risk analysis in the absence of business continuity planning in third party logistics companies		✓
O Masite	Understanding the economic impact of moving freight from road to rail in South Africa		✓
T Mashinini	Analysis of public procurement practices: Case of the Road Accident Fund		✓
M Mavhungu	The last mile distribution challenges for a forecourt convenience stores' distributor		✓
T Mhangara	Challenges affecting long distance bus operations and passengers along the Harare-Johannesburg route	✓	
L Mogale	Analysis of the buyer-seller relationship in a South African hair dressing industry		✓
M Monareng	Developing a supply chain strategy to integrate vertically down stream		✓
K Mwarumba	Collaborating for effective humanitarian logistics		✓
S Myeza	Non-compliance in supply chain management divisions in the municipal environment		✓
E Naidoo	Improvement of the service and product offering by a mobile service provider		✓
A Ndobu	The effectiveness of enterprise resource planning systems to improve supply chain efficiency at Tafta		✓
J Nthuba	Comparative analysis of forecasting techniques		✓
Z Ntshakala	Determining best practice of inventory management and its influence on customer satisfaction		✓
J Pale	The influence of telematics systems on productivity of the road freight transport sector		✓
TM Ramagoshi	Preparedness of the Cities of Johannesburg and Tshwane: Response to disaster events	✓	



N Rankeng	An aggregator business model for enterprise and supplier development in the transport industry in South Africa		✓
OK Sebitlo	Benchmarking South African practices on public-private partnerships in transport against the four largest developing economies	✓	
L Sithole	The impact of measuring driver performance on a bulk fuel supply chain		✓
C Uriesi	Passenger perceptions of Metrorail services in Johannesburg	✓	
E van der Merwe	The impact of quality master data on organisational supply performance		✓
B Zikakala	The evolving challenges in procurement in a research institution and their perceived causes		✓
CM Ziqubu	The enhancement of supply chain information sharing with 3rd party logistics service providers		✓
A Zosi	Streamlining supply chain collaboration towards change management strategy for improved communication and proactive responses		✓

Pre-registered dissertation based Master's students

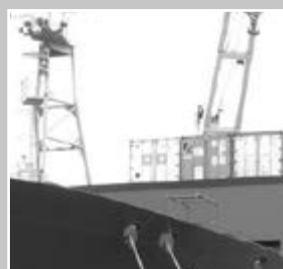
Name of student	Field of research
GL Bothma	Supply chain risk management strategies of service providers utilising the Beira development corridor
BG Gwereti	Horizontal collaboration among logistics service providers in City Deep
L Ilumbe	Assessing supply chain difficulties experienced by SME's Agribusiness
LT Makhubela	Factors affecting implementation of electronic procurement at a state-owned enterprise in South Africa
B Mavuso	Fare evasion by Metrorail commuters in Gauteng Province.
M Mlambo	The impact of information technology and sustainable practices on logistics performance within trucking companies in Cape Town
W Oladosu	Bus Rapid Transit (BRT) operations, commuter accessibility and support in Lagos, Nigeria



S Preller	Artificial intelligence and machine learning – trends and opportunities in logistics
M Tukuta	Logistical constraints and performance of A1 tobacco farmers in the Mashonaland West Province of Zimbabwe
JD de Villiers	Impact of rail economic regulation on level of service for metrorail in Gauteng
N Zubaida	The effect of on-demand logistics platforms on logistics efficiency in South Africa: A case of Load Africa

Master's graduates for 2018/2019

Name of Student	Title of Study	Dissertation based	Course Work	Date of graduation
T Makgato	Customer service in the distribution environment of an alcohol beverage company in Gauteng		✓	October 2018
RS Mashava	Factors influencing rail traffic between South Africa and Swaziland		✓	October 2018
T Buthelezi	The impact of supply chain performance on customer service for mining explosives		✓	March 2019
N Hadebe	Collaborating with international suppliers: A framework implementing efficient supply chains		✓	May 2019
R Moses	Impact of vehicle emissions in the pharmaceutical distribution sector		✓	March 2019
S Prinsloo	Challenges faced in last mile e-grocery delivery: Consumer's perspectives	✓		May 2019
B Tavengwa	An analysis of business aircraft demand within South Africa		✓	March 2019



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
B Duri	Transportation needs of people with disabilities: a means to inclusive transportation in the City of Tshwane
S Gumbi	Resourcing road safety support institutions for social and economic development in South Africa
G Heyns	An assessment of the supply chain skills gap in South Africa
L Jacobs	Impact of the implementation of Single Level Exit Pricing on the South African pharmaceutical supply chain
E Moyo	Conceptualising a sustainable food cold chain model for developing countries
MK Mwale	Forecasting road-based public transportation needs for developing cities: A case of Lusaka city
N Tshetu	The impact of the Yamoussoukro Declaration on Airlines
C Tsikada	Zimbabwean smallholder paprika growers from field to fork – Sustainable value network analysis
D Raza	Diversified service provision and the success of freight forwarding in South Africa

Pre-registered doctoral students

Name of student	Field of research
L Basson	African humanitarian supply chain network development
C Chisungo	An assessment of the effects of collaborative supply chains on supply chain resilience in the Zimbabwean agro- processing industry
A Kashanku	Road transport infrastructure and household welfare in rural Uganda
H Makan	An explorative study on the potential implementation of blockchain technology within the maritime supply chain industry
E Mogire	Last mile delivery and customer satisfaction of online retailers in Kenya

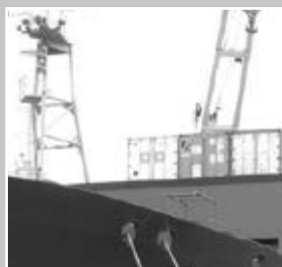


MASTERS AND DOCTORAL RESEARCH GROWTH STRATEGY

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 specialisation in supply chain management was introduced in January 2011.

The following table sets out the number of graduates on all qualifications between 2013 and 2019 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
2018	0	2	1
2019	1	4	0
TOTAL	9	29	4



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 twelfth edition of the journal was published in November 2018. 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 others) 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, resulting in a fast turn-around time for authors.



A total of 191 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 Journal was accepted for inclusion in the Scopus Index on 02 October 2019.

The current version (2019) can be viewed in full at: <http://jtsbcm.co.za/index.php/jtsbcm>

The following table contains an overview of the articles published to date for the year 2019 (the 2019 edition has not yet been closed) and 2018.

Year	Article	Authors
2019	Funding for Roads: Understanding the South African road funding framework	JA van Rensburg SC Krygsman
	Views of stakeholders on the application of procurement practices for the betterment of the commuter bus industry, Gauteng	TKT Ngcamphalala
	Environmental initiatives: A study of dyadic buyer and supplier relationships in the South African fast-moving consumer goods industry	A Meyer W Niemann P-R van Pletzen D Smit



	Investigating the supply chain drivers and barriers in the tourism industry in Pretoria	PPS Sifolo LP Molefe US Henama P Tauoatsoala P Manavhela
	Post-shipment financial flows in supply chains: A study of small- to medium-sized enterprise importers	F Schutte W Niemann T Kotzé
	An analysis of the demand for business aircraft among the corporate sector in South Africa	MJ Mabotja NJ Mampana B Tavengwa J Walters M Mearns E Swanepoel
	Forecast accuracy in demand planning: A fast-moving consumer goods case study	LM Basson PJ Kilbourn J Walters
	Risk management in a bulk coal export logistic chain: A stakeholder perspective	E Jacobs C Mafini
	Risk management in a bulk coal export logistic chain: A stakeholder perspective	A Botha JA Badenhorst -Weiss
2018	Options for the restructuring of state ownership of South African Airways	J Vermooten
	Enhancing supply chain performance through supply chain practices	P Hove-Sibanda RID Poee
	Inventory decision-making by small Sowetan retailers	T Eicker JO Cilliers
	The influence of dimensions of organisational culture on supply chain performance in selected state-owned enterprises in Zimbabwe	M Musanzikwa M Ramchander
	Liner shipping cascading effect on Southern African development community port strategies	S Goolam-Nabee J Walters
	Investigating environmental management practices within the Northern Cape wine supply chain	EG Trollip
	The last-mile logistical challenges of an omnichannel grocery retailer: A South African perspective	AN Weber JA Badenhorst-Weiss
	Industry expectations of supply chain management graduates: Perspectives from third-party logistics providers in South Africa	M Allden W Niemann T Kotzé
	Internal barriers to supply chain management implementation in a South African traditional university	MZ Masete C Mafini

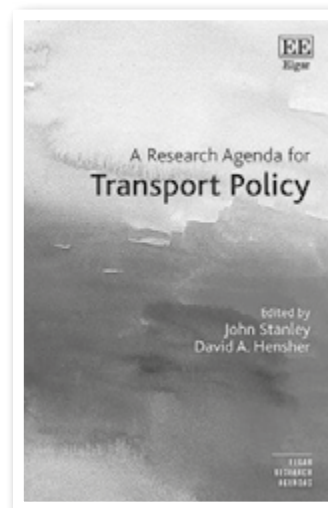


Sustainable supply chain initiatives in reducing greenhouse gas emission within the road freight industry	H Makan GJ Heyns
Capacitated vehicle routing problem for carriers	I-D Rojas-Cuevas S-O Caballero-Morales J-L Martinez-Flores J-R Mendoza-Vazquez
A heavy goods vehicle fleet forecast for South Africa	JH Havenga PPT le Roux ZP Simpson
Green supply chain management in small and medium enterprises: Further empirical thoughts from South Africa	LR Epoh C Mafini
Supply Chain disruptions: Insights from South African third-party logistics service providers and clients	J Nel E de Goede W Niemann
Logistics and the future: The rise of macrologistics	JH Havenga
The extent of logistics outsourcing among small and medium-sized manufacturing enterprises in Nairobi	JN Mageto GC Prinsloo R Luke
Spatial economic attributes of O.R. Tambo and Cape Town airport-centric developments in South Africa	M Mokhele
What practice can learn from theory: The potential impact of disposition decision factors on organizational performance	A Badenhorst
Investigating supply chain sustainability in South African organizations	G Niehaus HW Feiboth LL Goedhals-Gerber

A Research Agenda for Transport Policy:

This book has multiple authors from across the world. A chapter on Africa was authored by Prof J. Walters.

All authors have agreed that the royalties of the book will go to ITLS (Africa) where the royalties will be used to support deserving students in their studies.





ITLS (Africa) hosted a number of TransportSIG events during the course of 2018/2019 in order to provide appropriate forums for transport, logistics and supply chain information exchange and debate. These events have been very well attended with an average attendance of between 120 and 180 delegates per session.

In October 2018, ITLS (Africa) hosted TransportSIG for transport month. The theme for the full day event was “Rail Day”. Presenters included Prof Gerrie Prinsloo (Department of Transport and Supply Chain Management, University of Johannesburg); Mr Elvin Harris (Executive Manager, Transnet Freight Rail); Mr Piet Sebola (Head: Strategic Asset Development, Prasa); Mr Saleem Peterson (Head of Strategy, Transnet Port Terminals); Mr Jan-David de Villiers (Acting Deputy Director General, Rail, Department of Transport); Mr Jack van der Merwe (CEO Gautrain Management Agency); Mr Bongani Motsa (Economist, Minerals Council of South Africa); Mr Evert de Ruiter (Sales Executive, GE Transportation); Mr Peter Reinecke (Digital Strategy Advisor, Microsoft Services) and Mr Pieter de Waal (Head: Project Management, Siemens Mobility).

The first event for 2019 was held in March where the theme was “The Role of Transport in the 4th Industrial Revolution”. Speakers were Dr Noleen Pisa (Head: Department of Transport and Supply Chain Management, University of Johannesburg); Mr Tommie Snyman (Huawei SA); Ms Liezel Brouckaert (BI Manager, Comair); Mr Marcus Balzereit (MD, Kuehne Nagel (Pty) Ltd); Mr Tony Willis (General Manager, Transnet SOC Ltd) and Dr Roelien Brink (Department of Applied Information Systems, University of Johannesburg)

The second event was held in June and the theme was “Enhancing Freight Transport in Southern Africa”. Speakers included Mr Tatenda Mbara (Department of Transport and Supply Chain Management, University of Johannesburg); Mr Mike Schussler (Chief Economist: Economists dotcoza); Mr Duncan Bonnett (Director, Africa House); Ms Barbara Mommen (CEO: Coalescence); Mr Johan MacDonald (CMA CGM, East and South Africa Region (Pty) Ltd); Mr Michael Lekala (Customs Centre of Excellence and NCAP, Project Owner, SARS); Prof Alwyn Hoffmann (School for Electrical, Electronic and Computing Engineering, North West University); Ms Magda Hugo (Road Freight Association) and Ms Louise Wiggett (Managing Director, Global Trade Solution).

The third session for 2018 took place in September and was themed “Air Cargo”. This session featured Ms Elmarie Kriel (Department of Transport and Supply Chain Management, University of Johannesburg); Ms Louise Wiggett (Managing Director, Global Trade Solution); Ms Magda Engelbrecht (Managing Director, Cortac Aviation); Ms Wenelle Stander (Joint CEO, Comair Ltd); Dr Andries Botha (Senior Manager BI and Production Administration, Toyota SA); Mr Theo Fourie (Head: DHL Express, Sub Sahara Africa) and Mr David King (Project Manager, Cape Town Air Access initiative, Wesgro).



The final transport forum for the year took place on 03 October 2019 during Transport Month. The theme for the event was "BRT Quo Vadis". Speakers included Dr Noleen Pisa (Head: Department of Transport and Supply Chain Management, University of Johannesburg); Ms Daisy Dwango (Director: Planning and Policy, City of Johannesburg); Ms Mabuyi Mhlanga (Programme Manager: Go Durban, City of Ethekeweni); Ms Ruth Mutasa (Deputy Director: Customer information Systems, City of Tshwane); Me Gershwin Fortune (Acting Director: Public Transport Operations, City of Cape Town); Ms Dorothy Mabuza (Head: IRPTN, City of Ekurhuleni); Ms Yolisa Khani (Head: Public Policy, Uber South Africa); Ms Vuyisile Majola (CEO, SANTACO); Mr Samuel Matebane (CEO, Tshwane Rapid Transit); Ms Malebo Motolong (Public Transport Lead: Cities Support Programme, National Treasury) and Mr Tjaart Kruger (CEO, Vix Technology).

Since the inception of TransportSIG in 2007, approximately 428 papers have been read that are freely available on the TransportSIG website www.transportsig.com and is a useful resource on the latest trends and developments in the transport and supply chain industries in South Africa.

Other Conference Presentations – 2018/2019

1. Operational improvement outcomes through voluntary compliance in road transport operations. International Conference on Industrial Engineering and Operations Management, (A. Kamdar, F. Kienhöfer; E. Emwanu, G. Heyns and P. Nordengen); October 2018
2. An analysis of the quality of public transport in Johannesburg, South Africa using an adapted SERVQUAL model. 15th World Conference on Transport Research. Mumbai, India (R. Luke and GJ. Heyns); May 2019
3. The interaction between private sector investment in transport infrastructure and economic growth in South Africa: a joinpoint regression analysis between 1995 and 2016. 15th World Conference on Transport Research. Mumbai, India (R. Luke and N. Pisa); May 2019 [Poster]
4. Enhancing Customer Service Through Focused Supply Chain Risk Management And Performance Metrics. International Symposium on Logistics, Wurtzburg, Germany (T. Buthelezi and R. Luke); July 2019
5. A critique of the industry funding and contracting regime, CSIR (J. Walters); July 2019.
6. Understanding bidder behaviour: the case of the Mamelodi contract. 16th Biennial Thredbo Conference, Singapore. (J. Walters); August 2019
7. The Johannesburg BRT negotiated contract: how has is benefitted the stakeholders. 16th Biennial Thredbo Conference, Singapore. (T. Mbara); August 2019
8. Supply chain quality management: an implementation framework. 13th International Business Conference, Cape Town, South Africa (JN. Mageto and R Luke); September 2019



9. The impact of transport crimes on supply chain efficiency in Gauteng, South Africa, 13th International Business Conference, Cape Town, South Africa (R. Luke, PG. Hlungwani, TL. Jika, TN. Mavuma and L. Sekgobela); September 2019
10. Logistics-related Customer Complaints in the South African Retail Industry. 13th International Business Conference, Cape Town, South Africa (C Scholtz, PD Bekker and PJ Kilbourn); September 2019
11. Last mile cold chain distribution challenges for self-owned and retail pharmacies in Auckland Park and surrounding areas. 13th International Business Conference, Cape Town, South Africa (NC Mabotja, LV Masombuka; L Khoza; D Greyling and J van der Walt); September 2019





In addition to research-based activities, ITLS (Africa) also offers customised training courses to sector role players. To date, the Institute has created and offered customised 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 five cohorts of students registering in 2017, 2018, 2019, 2020 and 2021. This extension also incorporated the offering of a Honour's and Master's Degree. The total number of students to be trained is estimated at 1160.





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