



ANNUAL REPORT 2019/20

ITLS (Africa)

INSTITUTE OF TRANSPORT
AND LOGISTICS STUDIES
(AFRICA)



TABLE OF CONTENTS

OVERVIEW	3
BOARD OF ADVISORS 2019/20	5
OBJECTIVES	7
SERVICES	9
RESEARCH 2019/20	11
• Overview	11
• Skills gap research	11
• MoU with the World Bank	11
• Travel behavior of Gauteng Residents	12
MASTERS AND DOCTORAL RESEARCH	14
RESEARCH PUBLICATIONS	19
ITLS STAFF JOURNAL PUBLICATIONS 2019/2020	22
ITLS (AFRICA) CONFERENCES AND INFORMATION SESSIONS	25
• Other conferences	26
CUSTOMISED COURSES	27
• Transnet Freight Rail / Glasgow Caledonian University	27
CONTACT DETAILS	29

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 2019/20

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	Private	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:

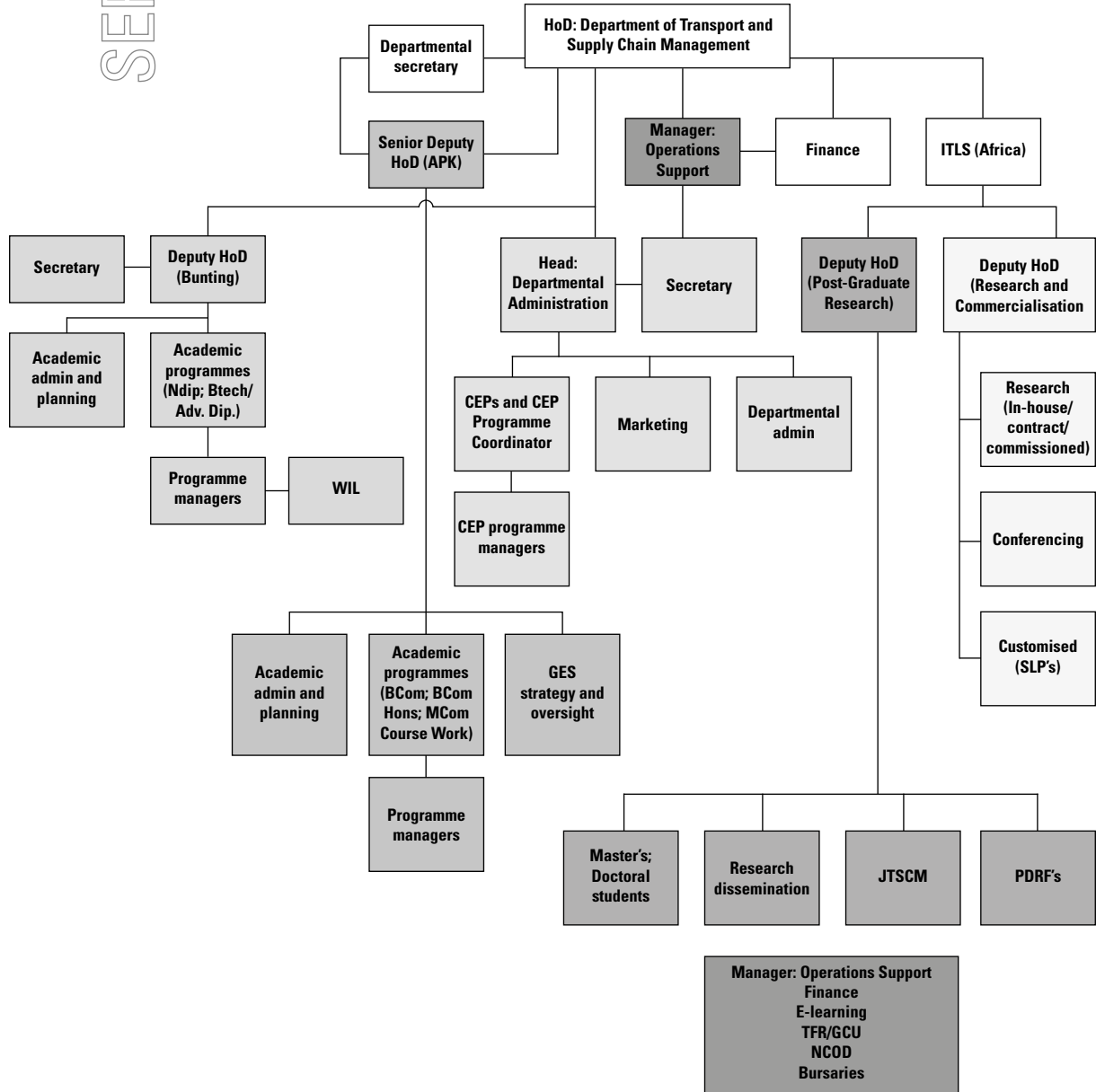
- To continuously study the transport, logistics and supply chain business environments in South and southern Africa.
- To establish a database on critical and key transport and supply chain trends in South and southern Africa.
- To secure commercial research projects by offering customized client-focused 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

The developing and rapidly changing global economy requires logistics and supply chain professionals to be equipped with appropriate professional, managerial and technical skills to exploit the economic opportunities that presents itself. Despite the fact that a great deal of students are taught and educated each year, South Africa continue to experience a severe supply chain talent shortage, which presents a significant constraint to the country's economic growth potential. The current global Covid-19 pandemic not only highlighted the significance of global supply chains but also the importance of having qualified, skilled and experienced employees.

During the last year, the skills research delivered two peer reviewed articles, bringing the skills research output thus far to two non-peer reviewed publications, four peer reviewed articles, ten peer reviewed conference proceedings and numerous non-peer reviewed conference presentations. In addition, an article on the skills gap in Kenya is currently in the final stages of review and it is envisaged that it will be published later this year. Currently, the latest student and practitioner surveys data, along with a recruitment agency dataset, is also being developed into articles (anticipated to be ready for publication in early 2021).

MOU with the World Bank

A meeting of SSATP (an institution created by the World Bank) took place at Victoria Falls, Zimbabwe on 25 and 26 November 2019. Dr N Pisa and Prof J Walters attended the meeting at the invitation of the World Bank but unfortunately not all the Universities that signed the MOU were in attendance. A number of workshops of the SSATP were attended and contributions made. Discussions also took place between UJ and Ibou Diouf (Manager of the Africa Transport Policy Program of the World Bank) about the MOU and it was agreed that it had to be pursued. Dr Pisa was introduced to Mr Diouf as the new HOD of the department.



Travel behaviour of Gauteng residents

The Institute of Transport and Logistics Studies (Africa) at the University of Johannesburg in collaboration with ITLS Sydney 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 experiences of 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. To date the survey design has been completed. However, data collection cannot be completed due to COVID-19 lock-down restrictions. Once data collection is completed 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
GL Bothma	A study of the supply chain risk management strategies of businesses in the Beira Development Corridor	✓	
DT Diane	The impact of digital control towers on SA logistics operations		✓
P Dibetso	Barriers and feasibility of establishing a conventional bus service between Johannesburg and Maseru		✓
P Engolo-Obianga	Identifying the impact of Covid-19 on air fares in Sub-Saharan Africa	✓	
C Erends	Investigating the fourth industrial revolution's impact on supply chains within South Africa's mining industry		✓
BG Gwereti	Collaboration and cooperative indices in firms in City Deep Johannesburg	✓	
G Joorst	Procurement resilience in the supply chains of South African petrochemical companies		✓
K Khitsane	The influence of blockchain technology on supply chain collaboration in the Natal corridor		✓
N Kambule	An analysis of the Gautrain strategic objectives	✓	
C Khumalo	Best practice framework: Supply chain capabilities in Gauteng Metropolitan Municipalities	✓	
LT Makhubela	Examining e-procurement implementation at a state-owned enterprise in South Africa	✓	
T Mhangara	Challenges affecting long distance bus operations and passengers along the Harare-Johannesburg route	✓	



M Mlambo	Investigating environmental sustainable practices and operational performance of trucking companies in the Western Cape	✓	
L Mogale	Supply chain relationships and support services in Alexandra SMME fast-food sector		✓
M Monareng	Developing a supply chain strategy to integrate vertically down stream		✓
M Muranganwa	Investigating root causes of medicine stock outs in South African public hospitals		✓
A Mushamiri	Examining public transport use among young people in Gauteng	✓	
T Mutebuka	Key success factors in overcoming sanctions: A case study of Qatar airways	✓	
E Naidoo	The association between supply chain collaboration and customer satisfaction at a mobile communications company in South Africa		✓
A Ndobu	The effectiveness of enterprise resource planning systems to improve supply chain efficiency at Tafta		✓
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	✓	
M Tukuta	An assessment of logistics drivers and performance of smallholder tobacco farmers in Mashonaland West Province, Zimbabwe.	✓	



C Uriesi	Passenger perceptions of Metrorail services in Johannesburg	✓	
B Zikakala	The evolving challenges in procurement in a research institution and their perceived causes		✓
N Zubaida	The effect of on-demand logistics platforms on logistics efficiency in South Africa: An extended case study approach of Load Africa	✓	

Pre-registered dissertation based Master's students

Name of student	Field of research
O Setlhalogile	Assessing the emerging challenges of socio-economic conditions and the application of 4IR in transport accessibility in South African rural communities
R Shai	Supply Chain Resilience - The impact of Covid-19 on Supply Chain Operations

Master's graduates for 2019/2020

Name of Student	Title of Study	Dissertation based	Course Work	Date of graduation
A Fassetta	Impact of implementing cross-docking facilities within a third party logistics service provider		✓	October 2020
A Kotze	The link between financial performance and supply chain process strategy		✓	March 2020
XM Maluleke	Towards an advanced sales and operations planning process: A special focus on a South African based multinational FMCG company		✓	March 2020
T Mashinini	Analysis of public procurement practices: Case of the Road Accident Fund		✓	March 2020



O Masite	Understanding the economic impact of moving freight from road to rail in South Africa		✓	March 2020
M Mavhungu	The last mile distribution challenges for a forecourt convenience stores' distributor		✓	March 2020
T Moema	Public sector supply chain risk factors in the Gauteng provincial treasury		✓	March 2020
L Sithole	The impact of measuring driver performance on the bulk fuel supply chain		✓	October 2020
E van der Merwe	The impact of quality master data on organisational supply performance		✓	March 2020
CM Ziqubu	The enhancement of supply chain information sharing with third party logistics service providers at Dovetail Solutions		✓	October 2020

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 Basson	Digital humanitarian supply chain framework
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
A Kashanku	Relationship between road transport infrastructure and household income, poverty, diversification and produce sold in rural Uganda
E Mogire	Last mile delivery and customer satisfaction of online retailers in Kenya
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
P Muzvimiri	Appraising transport and logistics clusters as a means of economic revitalisation for Zimbabwe
M Rabothata	Formalisation of the mini-bus taxi industry: Alternative options for Gauteng Province
M Steenkamp	Transport infrastructure, logistics capability and foreign direct investment in Sub-Saharan Africa

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 2020 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
2020	0	10	0
TOTAL	9	39	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 2019. 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 205 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 (2020) 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 2020 (the 2020 edition has not yet been closed) and 2019.

Year	Article	Authors
2020	The Johannesburg negotiated bus rapid transit contract: How has it benefitted the stakeholders	T Mbara B Maseko
	Causes of road accidents in Botswana: An econometric model	T Mphela
	Air passenger movements and economic growth in Sri Lanka: Co-integration and casualty analysis	R Higgoda W Madurapperuma
	Exploring country-level logistics infrastructure, market potential, trade exports amongst developed and emerging markets	OT Aydas AD Ross H Parker



	Stakeholders' views regarding macro-environment impacts on commercial flight operations in South Africa	E Serfontein KK Govender
	The effectiveness of humanitarian supply chain management in Zimbabwe	BE Mushanyuri BS Ngcamu
	The effect of supply chain management in governance: Public sector perspectives	NS Nkwanyana AT Agbenyegah
	Determinants of effective high-risk cargo logistics at sea ports: A case study	F Saruchera
	Supply chain management enablers, barriers and disruptions in the animal feed industry in the Western Cape Province of South Africa	PM Gomera C Mafini
	The challenges behind producing a bottle of wine: Supply Chain risks	RT Naudè JA Badenhorst-Weiss
	Closure and restart as an option for a sustainable South African national airline	J Vermooten
	Physical distribution challenges and adaptations: A qualitative study of South Africa-based organisations operating in emerging African markets	SDJ Jaqueta EN Mashilo K Mocke AFA Agigi
	Skills frameworks: A focus on supply chain	J Mageto R Luke
2019	The role of national trade logistics in the export trade of African countries	TB Takele AS Buvik
	An investigation into the factors influencing inter-urban freight mode choice decisions in the Southern African Development Community Region	A Konstantinus M Zuidgeest
	Relevance of supply chain dominance: A global perspective	JM Durocher-Yvon B Tappin SG Nabee E Swanepoel
	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
Transactional leadership, supply chain quality and business performance in the fast-moving consumer goods industry	E Jacobs C Mafini
Risk management in a bulk coal export logistic chain: A stakeholder perspective	A Botha JA Badenhorst -Weiss
Antecedents of trust among buyer and seller within the South African automotive supply chains	AS Tolmay
The relevance of coordinated regional trade logistics for the implementation of regional free trade area of Africa	TB Takele



1. Brink BS, Heyns GJ and Kilbourn PJ (2019). Service quality expectations of online grocery consumers in Gauteng, South Africa. *Journal of Contemporary Management*, Vol 16 (2)
<https://hdl.handle.net/10520/EJC-19eb4b6693>
2. Luke R and Heyns GJ (2019). Skills requirements in South African supply chains: A higher education perspective, *South African Journal of Higher Education*, Vol 33 (4)
DOI: <https://doi.org/10.20853/33-4-2799>
3. Mageto J, Prinsloo GC and Luke R (2020). Determinants of logistics outsourcing performance among small and medium enterprises. *International Journal of Logistics Systems and Management*, Vol 35 (4)
DOI: <https://doi.org/10.1504/IJLSM.2020.106261>
4. Mageto J and Luke R (2020). Skills frameworks: a focus on supply chains. *Journal of Transport and Supply Chain Management*, Vol 14
DOI: <https://doi.org/10.4102/jtscm>
5. Mageto J and Luke R (2019). Internal service quality and employees' perceptions of rail commuter service quality in Johannesburg. *Journal of Contemporary Management*, Vol 16(2): 538-572 DOI: <https://dx.doi.org/10.35683/jcm19005.47>
6. Ittmann H (2019). Lessons gained from four case studies of operations research for sustainable development in South Africa. *Central European Journal of Operations Research*, Vol 27 (4) DOI: <https://doi.org/10.1007/s10100-019-00644-x>
7. Ittmann H (2019). The current state of OR in Africa. *Operational Research: An International Journal*, Vol 19 (3) <https://doi.org/10.1007/s12351-019-00516-x>
8. Pisa N (2019). Associated Economy - Wide effects of transport and logistics clusters. *GeoJournal of Tourism and Geosites*, Vol 27 (4) <http://gtg.webhost.uoradea.ro/PDF/GTG-4-2019/gtg.27408-427.pdf>
9. Bag S, Gupta S and Luo, Z. (2020). Examining the role of logistics 4.0 enabled dynamic capabilities on firm performance. *International Journal of Logistics Management*, Vol 27 (3) <https://doi.org/10.1108/IJLM-11-2019-0311>
10. Bag S, Yadav G, Wood LC, Dhamija P and Joshi S (2020). Industry 4.0 and the circular economy: Resource melioration in logistics. *Resources Policy*, Vol 68 <https://doi.org/10.1016/j.resourpol.2020.101776>
11. Bag S, Gupta S, Kumar S and Sivarajah U (2020). Role of technological dimensions of green supply chain management practices on firm performance. *Journal of Enterprise Information Management*
<https://doi.org/10.1108/JEIM-10-2019-0324>



12. Bag S and Gupta S (2019). Examining the effect of green human capital availability in adoption of reverse logistics and remanufacturing operations performance. *International Journal of Manpower*.
<https://doi.org/10.1108/IJM-07-2019-0349>
13. Dhamija P and Bag S (2020). Role of artificial intelligence in operations environment: a review and bibliometric analysis. *The TQM Journal*, Vol 32 (4)
<https://doi.org/10.1108/TQM-10-2019-0243>
14. Bag S, Luthra S, Venkatesh VG and Yadav G (2020). Towards understanding key enablers to green humanitarian supply chain management practices. *Management of Environmental Quality*, Vol. 31 (5)
<https://doi.org/10.1108/MEQ-06-2019-0124>
15. Masoumi H, Mostofi H and Dienel H-L (2020) The Association between Regular Use of Ridesourcing and walking mode choice in Cairo and Tehran, *Sustainability Journal*, Vol 12 <https://doi.org/10.3390/su12198134>
16. Masoumi H, Mehriar M, and Nosal-Koy K (2020). Correlations of Urban Sprawl with transport patterns and socioeconomics of university students in Cracow, Poland. *Scientific Journal of Silesian University of Technology. Series Transport*, Vol 108
<https://doi.org/10.20858/sjsutst.2020.108.14>
17. Masoumi, H (2020) Urban commute travel distances in Tehran, Istanbul, and Cairo: Weighted Least square models. *Urban Science*, Vol 4
<https://doi.org/10.3390/urbansci4030039>





ITLS (Africa) hosted a number of TransportSIG events during the course of 2019/2020 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. Due to the COVID-19, the 2020 sessions were held virtually with approximately 120 participants.

In October 2019, ITLS (Africa) hosted TransportSIG for Transport month. The theme for the full day event was **“BRT: Quo Vadis”**. Presenters 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 eThekweni); Ms Ruth Mutasa (Deputy Director: Customer Information Systems, City of Tshwane); Mr 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); Mr Tjaart Kruger (CEO: Vix Technology) and Ms Tebogo Sebotha (Director: Public Transport Networks Development, Department of Transport).

The first event for 2020 was held in March where the theme was **“Do we need High-Speed Rail?”** Speakers included Dr Noleen Pisa (Head: Department of Transport and Supply Chain Management, University of Johannesburg); Mr Jack van der Merwe (CEO: Gautrain Transport Authority); Mr Francois Meyer (General Manager: Transnet SOC Ltd); Mr Tommie Snyman (ITS Specialist: Huawei South Africa) and Mr Roelof van Tonder (Director: Market insight and development, Africa House).

The second event was held in June and the theme was **“Industry’s response and experience due to the Covid-19 pandemic”**. Some of speakers included Dr Peter Kilbourn (Deputy Head: Department of Transport and Supply Chain Management, University of Johannesburg); Mr Liberty Mapamba (Department of Transport and Supply Chain Management, University of Johannesburg); Mr Basil Govender (Executive Manager, SABOA); Professor Andrea Giuricin (Bicocca, CEO: TRA Consulting); Ms Wrenelle Stander (CEO: Comair Ltd); Ms Magda Hugo (Strategic Account Executive: Global Trade Solution); Mr David Logan (CEO: SAAFF) and Dr Marion Borchers (General Manager: OH & Wellness).

The third session for 2020 took place in September and was themed **“The impact of the Covid-19 crisis on e-commerce, opportunities for LSP’s and retailers”**. This session featured Dr Noleen Pisa (Head: Department of Transport and Supply Chain Management, University of Johannesburg); Mr Brian Burchfield (Vice-President of sales: WNS Global Services, UK Ltd); Mr Jason Blackman (Senior Director: Customs and Regulatory Affairs, DHL Express Sub-Saharan Africa); Mr Mungo Park (Senior Key Account Director: Consumer, Retail and Fashion, DSV South Africa); Mr Christian van Zyl (Managing Director: Ikhambi Distribution (Pty) Ltd) and Dr Lee-Ann Terblanche (Logistics Consultant: Live Fr8).



The final transport forum for the year took place on 01 October 2020 during Transport Month. The theme for the event was **“Driving the necessity for change in Public Transport in South Africa”**. Speakers included Professor Rose Luke (Deputy Head Research: Department of Transport and Supply Chain Management, University of Johannesburg); Dr Ismail Vadi (Senior Research Associate: Department of Transport and Supply Chain Management, University of Johannesburg); Mr James Robb (Manager: George Integrated Public Transport Network, Western Cape Department of Transport); Ms Ulrike Britton (Chief Director: Urban development and infrastructure, National Treasury); Mr Jack van der Merwe (CEO: Gautrain Transport Authority); Mr Mawethu Vilana (Head of Strategy: Prasa); Ms Dalene Campbell (Executive Director: Integrated Transport, City of Cape Town) and Mr Gershwin Fortune (Portfolio Manager: Integrated Transport, City of Cape Town).

Since the inception of TransportSIG in 2007, approximately 606 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 – 2019/2020

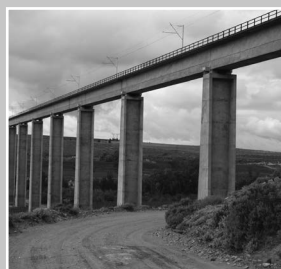
1. A critique of the PTOG and the Mamelodi contract. SABOA Annual Conference, CSIR, Pretoria (Walters, J. July 2019)
2. Understanding bidder behaviour: The case of the Mamelodi contract. 16th THREDBO International conference on competition and ownership issues in public transport held in Singapore (Walters, J. August 2019)
3. Supply chain quality management: An implementation framework. International Business Conference Proceedings, North-West University. South Africa (Mageto, J and Luke, R. September 2019)
4. The impact of transport crimes on supply chain efficiency in Gauteng, South Africa. International Business Conference Proceedings, North-West University. South Africa (Luke, R, Hlungwani, P.G, Jika, T.L, Mavuma, T.N and Sekgobela, L. September 2019)
5. Logistics-related customer complaints in the South African retail industry, 13th International Business Conference, Hermanus, South Africa (Scholtz C., Bekker D and Kilbourn P.J. September 2020)
6. The willingness of guesthouses to change their purchasing behavior and to buy fresh produce from urban farmers instead of retail companies, Southern African City Studies Conference, University of Witwatersrand, Johannesburg, South Africa (van den Berg H. September 2020)



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 Liège/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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