

# Flashback<sup>2019</sup>



UNIVERSITY  
OF  
JOHANNESBURG

DEPARTMENT OF  
TRANSPORT AND SUPPLY  
CHAIN MANAGEMENT

## Published Articles 2019

The department published the following articles in 2019:

**Skills requirements in South African supply chains: A higher education perspective** – R Luke, GJ Heyns

<https://www.journals.ac.za/index.php/sajhe/article/view/2799>

**Forecast accuracy in demand planning: A fast-moving consumer goods case study** – Lisa M Basson, Peter J Kilbourn, Jackie Walters

<https://jtscm.co.za/index.php/jtscm/article/view/427>

**An analysis of the demand for business aircraft among the corporate sector in South Africa** – Mpho J Mabotja, Ngoasheng J Mampana, Bernard Tavengwa, Jacobus Walters, Martie A Mearns, Elana Swanepoel

<https://jtscm.co.za/index.php/jtscm/article/view/441>

**Relevance of supply chain dominance: A global perspective** – Jean-Michel Durocher-Yvon, Byron Tappin, Sumayah Goolam Nabee, Elana Swanepoel

<https://jtscm.co.za/index.php/jtscm/article/view/455>

**The current state of OR in Africa** – Hans W Ittmann

<https://link.springer.com/article/10.1007/s12351-019-00516-x>

**Lessons gained from four case studies of operations research for sustainable development in South Africa** – Hans W Ittmann

<https://link.springer.com/article/10.1007/s10100-019-00644-x>

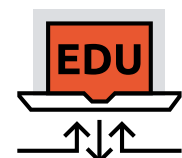
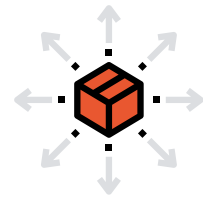
**Associated economy wide effects of transport and logistics clusters** – NM Pisa  
GeoJournal of Tourism and Geosites, 27(4), 1212–1226.

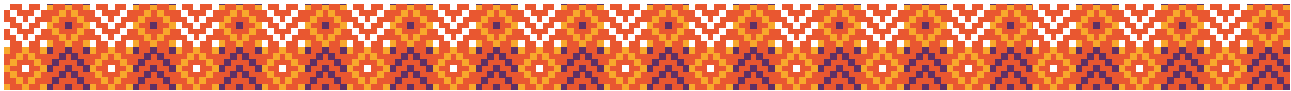
<https://doi.org/10.30892/gtg.27408-427>

**Internal service quality and employees' perceptions of rail commuter service quality in Johannesburg** – J Mageto & R Luke – Journal of Contemporary Management

## Conferences attended by TSCM Academics

- 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.
- The interaction between private sector investment in transport infrastructure and economic growth in South Africa: a jointpoint regression analysis between 1995 and 2016. *15th World Conference on Transport Research. Mumbai, India* (R Luke and N Pisa); May 2019 [Poster].
- 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.



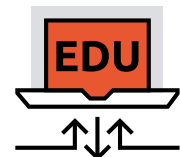
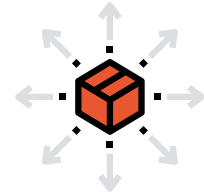


- A critique of the industry funding and contracting regime, *CSIR* (J Walters); July 2019.
- Understanding bidder behaviour: the case of the Mamelodi contract. *16th Biennial Thredbo Conference, Singapore* (J Walters); August 2019.
- The Johannesburg BRT negotiated contract: how has it benefitted the stakeholders. *16th Biennial Thredbo Conference, Singapore* (T Mbara); August 2019.
- Supply chain quality management: an implementation framework. *13th International Business Conference, Cape Town, South Africa* (JN Mageo and R Luke); September 2019.
- 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.
- 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.
- 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.

Proud to announce Ms J van der Walt's first international conference presentation.



DEPARTMENT OF  
TRANSPORT AND SUPPLY  
CHAIN MANAGEMENT



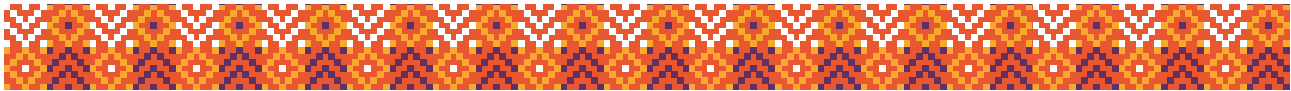
## University of Johannesburg's Department of Transport and Supply Chain Management hosts the annual Transport Forum SIG

Bus Rapid Transit (BRT) is a much debated topic in the transport sector today. Many doubt the return on investment for municipalities. Ancillary services and software solutions such as Automatic Fare Collection (AFC) and Advanced Public Transport Management Systems (APTMS) became integrated necessities to properly manage BRT. The 2010 Soccer World Cup have put pressure on municipalities to implement world-class solutions quickly. The National Land Transport Act of 2009 made provision for bylaws to establish sustainable systems. Is BRT a good solution for public transport in South Africa and should we continue supporting this? Are we doing it right?

The **Transport Forum** hosted by the University of Johannesburg's **Department of Transport and Supply Chain Management** invited major metros to come and give feedback on their journey with BRT on 3 October 2019 as part of transport month. The theme for the event was: "Quo Vadis: BRT". We also had the Department of Transport, UBER and SANTACO presenting at the event.

The following critical success factors were mutually agreed upon:

- The taxi industry should be better involved to have a more representative public transport solution.
- It is not BRT only but an Integrated Public Transport Network (IPTN) operating in the municipalities and metros. Multi-modal solutions should be implemented to deliver sustainable, affordable and safe public transport solutions to commuters.

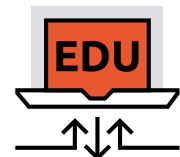
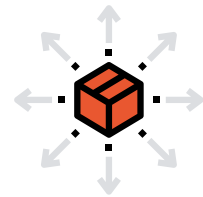


- Reaching fiscal and financial sustainability is a big challenge for BRT.
- Bad contract management causes major disruptions at many levels.
- The South African cities should “scrum” together to develop its own best practices for public transport in South Africa.

We are now looking forward to follow-up sessions distilling sustainable public transport solutions for South Africa.



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TRANSPORT AND SUPPLY  
CHAIN MANAGEMENT



## The Department showing their support for the Springboks! #RWC2019



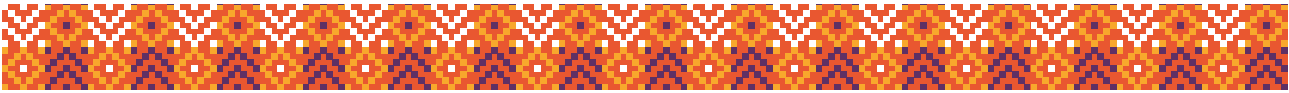
In support of the Springboks making it to the finals. Staff at the Department of Transport and Supply Chain Management showed their support for the Springboks and their country by wearing their Springbok shirts to work on Thursday 31 October 2019. #RWC2019 #ProudlySA #Teamspirit

## Maritime Tour 2019

The 19th Maritime tour for the BCom Honours Logistics students took place from 26 to 29 September 2019.

The first port of call for the students was the MAN plant in Pinetown to view the JIT-operation in the manufacture of a Truck-in-a-Box. The first evening the party was hosted by DSV in their offices for a presentation followed by a dinner at the Revolving Restaurant.

After breakfast on Friday morning, the students had a briefing session at the Durban Container terminal before boarding the MSC Cornelia I. The Captain gave the lecturers and the students freedom of the ship for two hours during



DEPARTMENT OF  
TRANSPORT AND SUPPLY  
CHAIN MANAGEMENT

which they toured the vessel from the bridge to the engine room, down to the prop shaft. This was the highlight of tour. This was followed by a visit to the Maritime School of Excellence to view the ship simulator. The students were further introduced to bulk shipping at the NCT Wood chip plant, followed by a presentation and dinner sponsored by Kuehne-Nagel.

During Saturday they visited Tanker Services and undertook a harbour cruise before departing to their farewell dinner.

## Honours Poster Competition

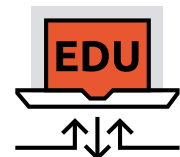
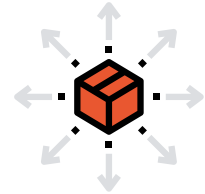


Students from the department of Transport and Supply Chain Management enrolled for the Research Methodology module and worked in groups of four on a research project. During the first half of the year, each of the 31 groups developed a research proposal to research a specific transport or logistics problem. In the second half of the year they collected primary data using

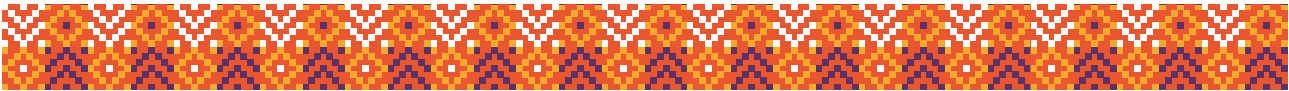
questionnaires. The data is then analysed, interpreted, discussed and conclusions are formulated in order for a final research report to be produced. This research report is then converted into a poster and submitted for the Departmental Poster competition. The posters are sent to the academics in the department for marking and internal moderation. Then the top eight are selected and they present to a panel comprising of all the academics in the Department. The best three posters are entered into the CBE Poster Challenge, held on 31 October 2019. At this challenge, one of the departments posters one third prize (R5000), the poster by Nadine Farquharson with the title: The effects of Internet of things on the road freight industry.

## Annual Student Awards 2019

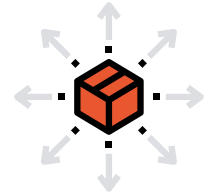
The Department held its annual Top Achiever Awards Ceremony in May. The top three students for each qualification offered by the department was awarded for outstanding achievement.



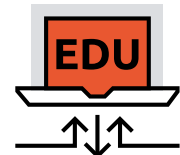




DEPARTMENT OF  
TRANSPORT AND SUPPLY  
CHAIN MANAGEMENT

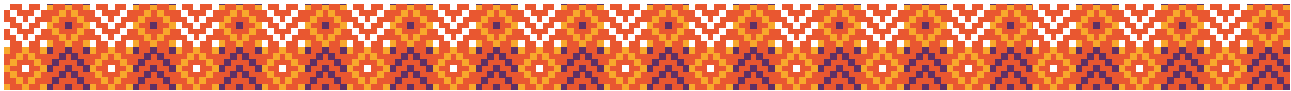


## TaLSA (Student Association)



During the first semester, TALSAs had 2 main excursions. Talsa visited DSV Pharma division in Meadowview. They were hosted by an executive, Mr Ralton Moses who introduced the company in the form of a Powerpoint presentation in the company boardroom. Detailed information was provided on the company's local as well as global operations and students also had a chance to ask questions they had. The presentation was then followed by a tour of the automated warehouse where students were able to see the workings of the warehouse operations firsthand and meet some staff members.

The second activity was a visit from the CEO of the Africa People Mover luxury bus company Mr Tumisang Kgaboesele. The event was held at the Bunting Road Campus and attended by students from both campuses. He gave an outline of



how his company started to how it has grown into a multi-million rand business. This was an entrepreneurial seminar where students were shown that it is possible to also do it for themselves within the transport sector.

Lastly, Talsa had a visit from Mr Harry Mashele the CEO of For Africa. Mr Mashele visited the APK and APB campuses on two different occasions to speak to students about the 4th Industrial Revolution as well as entrepreneurship. Mr Mashele touched on an application he is piloting with Transnet to combine road, rail, sea and air transport linking shippers, buyers and sellers. Students got to see the new technologies that are being used as well as systems and applications. They also got to see new employment as well as self-employment opportunities so that they can get ready for the changes that are taking place in the 4Th Industrial Revolution (4IR).

## ARTU Colloquium 2019

A brief report on the BRICS Association of Rectors of Transport Universities, jointly hosted by the CBE Department of TSCM and the UP Department of Civil Engineering from 21-23 October 2019.

The partnership reflected major effort over a period of nine months and resulted in significantly progressing our understanding of coordinating transport education among BRICS universities.

Working together was a good experience, reminding us to rather overlook academic boundaries and the shared value of a Team SA approach.

ARTU2020 will coincide with the 2020 BRICS Summit in St Petersburg, hosted by the Emperor Alexander I St. Petersburg State Transport University (Russia) with support gained from the Minister of Transport of the Russian Federation and the Director General of "Russian Railways".

Here, we endeavour to squarely position Transport and Supply Chain Management.

Thank you to Dr Noleen Pisa (HOD: TSCM), Prof Jackie Walters (Director ITLS (Africa)), Dr Ronel Toerien (CBE Marketing Manager), Prof Wynand Steyn (UP) and their respective teams for their commitment and agility in the course of an exhaustive week.



DEPARTMENT OF  
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CHAIN MANAGEMENT

