

2019 ANNUAL SAPICS CONFERENCE

LOOKING BACK AT THE 41ST ANNUAL SAPICS CONFERENCE

Building **skills and partnerships**

Thriving at the edge of chaos

Circular economy is saving the planet

Our high-tech future and political risk

The future of **zero waste to landfill**

Award Winners at SAPICS 2019



Welcome to our second SAPICS Conference ezine in which we are pleased to share some of the highlights of this year's 41st annual SAPICS Conference.

This was the first time that I welcomed delegates to Africa's leading event for supply chain professionals as the president of SAPICS. It was a proud moment. The 2019 SAPICS Conference saw close to 800 delegates representing 28 countries converge in Cape Town to learn, share knowledge and network.

If you were at SAPICS 2019, we hope that you will enjoy looking back on some of the powerful presentations, videos and photographs.

If you were not there, this is just a small selection of what you missed. We hope to see you next year. Alternatively sign up for our many varied events throughout the remainder of 2019!

Kea Mpane
SAPICS President

#Foreword

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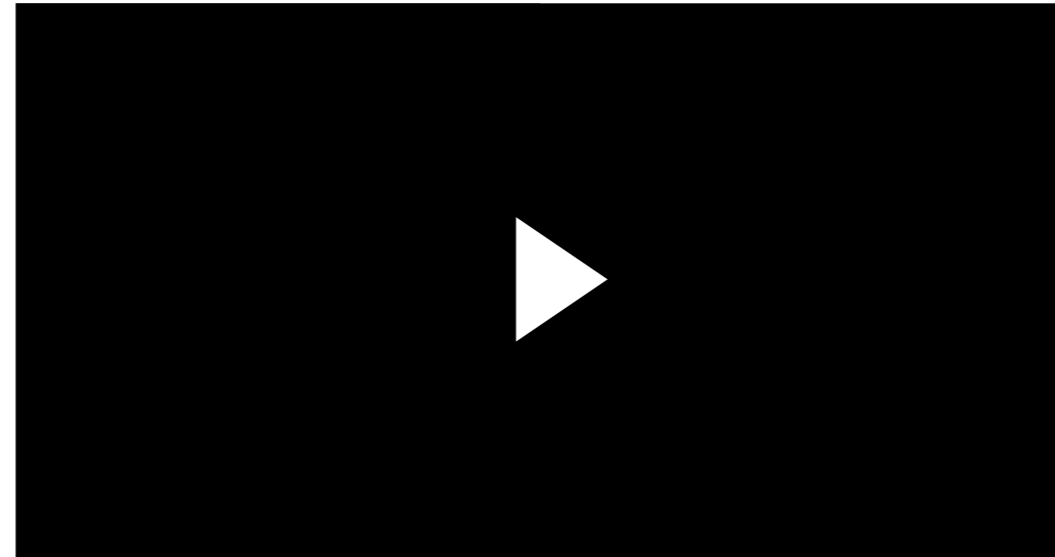


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BUILDING SKILLS *#inspire* AND PARTNERSHIPS AT SAPICS 2019

“Go back to your business with ideas that can improve, innovate, inspire and advance your business.” Kea Mpane



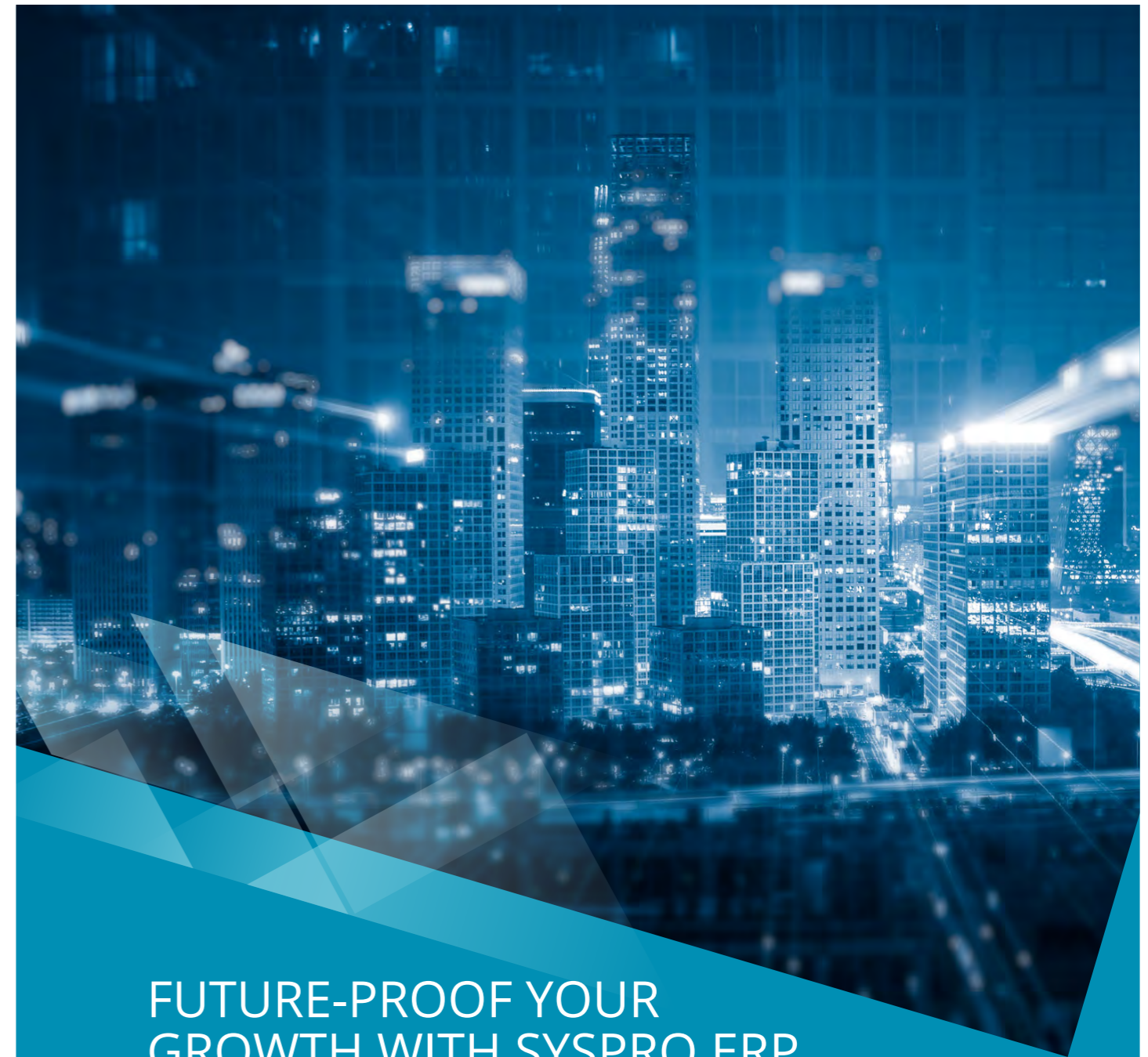
SAPICS president Kea Mpane stated in her opening address at the 2019 SAPICS Conference that supply chain proficiency and competence is a catalyst for economic growth. She urged attendees to make the most of the opportunity presented by the internationally acclaimed SAPICS Conference to empower themselves, advance their skills and build new partnerships. “Go back to your business with ideas that can improve, innovate, inspire and advance your business,” she advised delegates.



Mpane said that professionalisation and the regulation of supply chain management is vital as it holds a high level of responsibility, touching virtually every aspect of every industry every day. “Supply chain management is constantly evolving and ever changing. We compete on a global scale. We need qualified, certified, professionally designated and ethically accountable supply chain professionals,” she stressed.



Mpane added that SAPICS, through the annual conference, its skills development programmes and ongoing professional designations initiative, is at the forefront of the drive to professionalise supply chain management.



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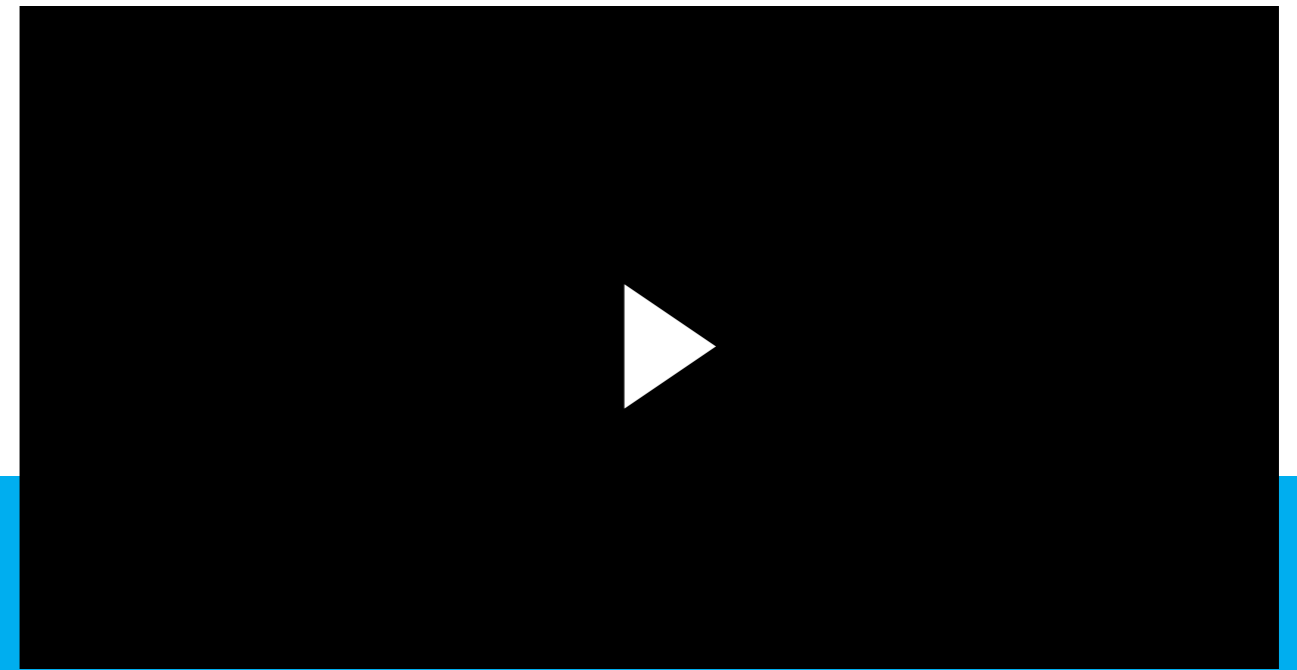
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#thriving BRUCE WHITFIELD'S GUIDE TO THRIVING AT THE EDGE OF CHAOS

This year's keynote presentation by Bruce Whitfield highlighted South Africa's current political and economic challenges and left delegates with inspiring insights on "How to Thrive at the Edge of Chaos".



Well known broadcaster, journalist and writer Whitfield noted that we cannot control politics or the environment in which we operate. Despite the economic, political and social chaos that South Africa has faced for decades, our nation still has great business success stories that we can learn from, he contended, with many businesses started, growing and thriving in tough times.



Watch the video here: https://youtu.be/1vrFtA__sLM

Whitfield shared extracts from exclusive interviews with some of South Africa's most successful and influential business leaders. What he called the "secret sauce" and chutzpah of some South African business icons was summed up in these inspiring quotes that he shared with SAPICS delegates:

“

"If you looked only at the accounting, you'd never do a deal." Brian Joffe, Bidvest

"It's not Armageddon, you should be building."

Adrian Gore, Discovery

"Don't get too big for your boots."

Raymond Ackerman,
Pick 'n Pay

"Failure is when you stop trying."

Stephen Saad,
Aspen Pharmacare

"People must be allowed to make affordable mistakes."

Stephen Koseff, Investec

"We have no future... if we don't create opportunities for as many of our people as possible." Patrice Motsepe

”

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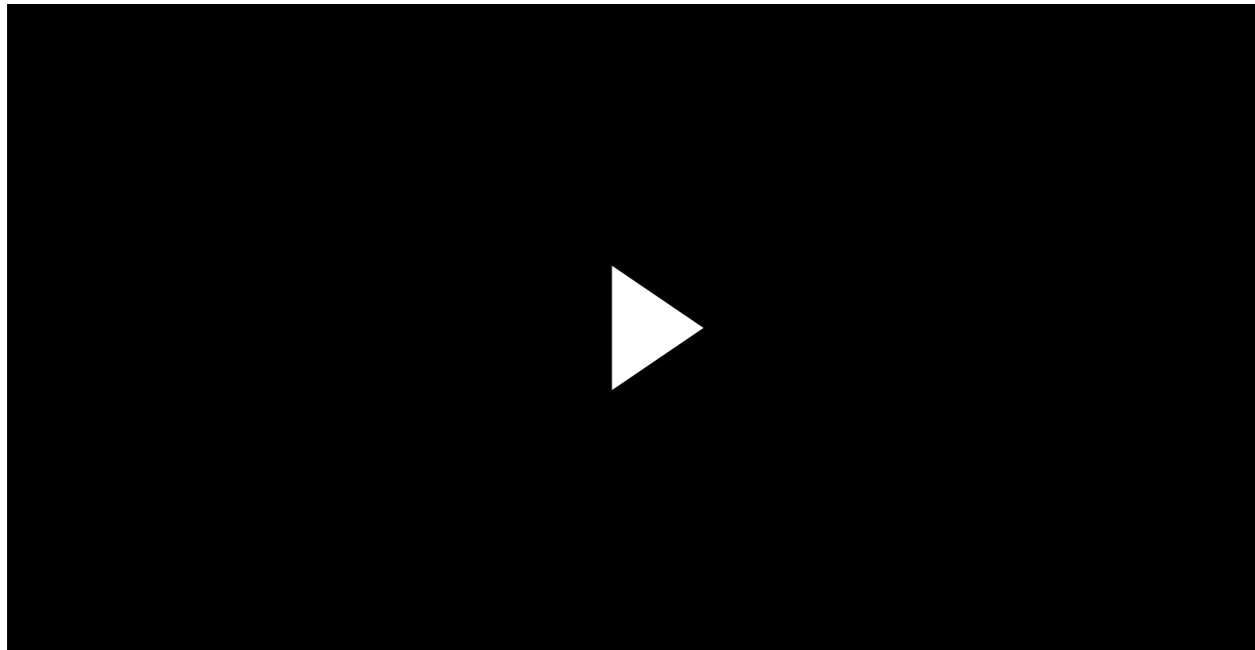


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TECHNOLOGY IS DISRUPTING AND TRANSFORMING THE SUPPLY CHAIN *#most innovative*



Watch the video here: <https://www.youtube.com/watch?v=pdAkvOMTDU4>

New waves of technology are disrupting and transforming the very nature of the supply chain, according to world leading futurist, author and globally recognised business transformation expert Sean Culey. He shared his insights in an exceptional and award winning keynote presentation at SAPICS 2019.

Culey's latest book, "Transition Point: From Steam to the Singularity", is the result of over five years of research. One of the questions that he examines in the book is what drives technological progress, and why advancement in these areas comes in waves rather than as a liner progression. "These waves are driven by the creation of a cluster of new technologies that spawn new energy, transportation and

communication mechanisms, which in turn attract investors and their money, and this investment creates whole new industries and large numbers of new businesses," he explains.

Culey notes that the adoption of new technologies is slow at first, as many innovations fall into what Gartner calls the "trough of disillusionment", failing to cross the "chasm" from innovators and



into the mass market. "Once the chasm is crossed, the innovations go from deceptive to disruptive, experiencing an exponential level of diffusion and progress, driven by the competitive need to keep up or be left behind. We have experienced five waves since the Industrial Revolution and are now in the early 'spring' period of the sixth.

"When I started presenting on this topic back in 2012 and 2013, I showed exciting videos of radical new sixth wave inventions such as warehouse robotics, autonomous vehicles, drones, collaborative robots and the like, only to see little evidence of their materialisation outside of these experimental organisations.

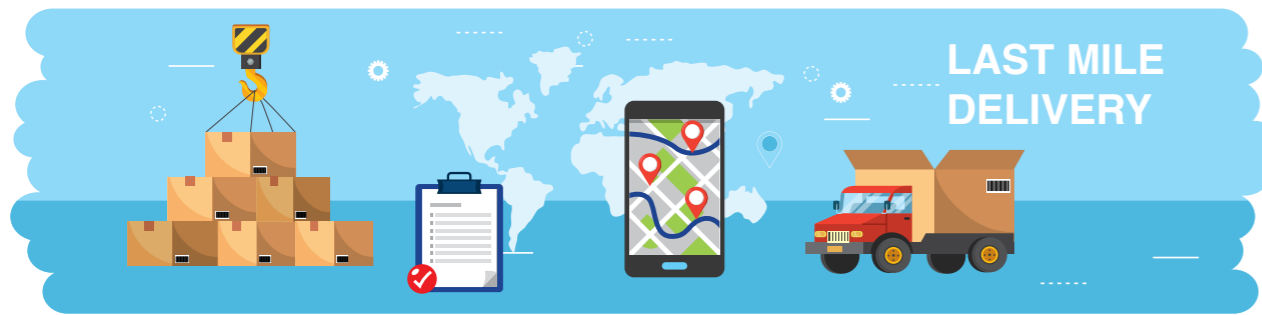
While the videos went viral, the innovations did not, constrained either by technological issues, a lack of supportive infrastructure, or legislation. However, in April 2019, real evidence appeared that indicated that we had reached a tipping point, at least in the retail industry, as a series of demand capture and fulfilment innovations started to cross the chasm.



Making Buying Easy

"Convenience is a major driver for consumers, and the most inconvenient aspect of the shopping experience is usually the bit at the end – unpacking the basket, repacking and paying. Sainsbury's, a UK based grocery chain, opened the first checkout free store in Holborn Circus, London, which allows people to scan the items they buy using an app on their phone, and then payment is made electronically. The store is Sainsbury's response to Amazon and the introduction of their Go stores, which use a variety of radical new technologies such as vision tracking, sensing technology, and machine learning, and which have been successfully trialled in the US and are currently being rolled out to 3 000 locations over the coming few years.

"Also in April, Walmart announced that it had partnered with Google to enable people to 'order by voice', where the consumer can simply say out loud the things they need, and Google Assistant will identify your favourite brands, check prices, look for deals and place the order.



Automating the Last Mile

“Not only has ordering goods increasingly becoming easier and more convenient due to these recent announcements, but a series of delivery focused milestones were also achieved. The fulfilment of demand has changed rapidly since the rise of e-commerce and omni-channel ordering, and no longer does the consumer have to spend their weekends travelling to the out-of-town hypermarket, spending hours walking the aisles doing the weekly shop. Now the consumer not the retailer decides when and where goods will be collected, creating an exponential level of additional costs and additional complexity for supply chain teams. To try and provide solutions that increase the speed and flexibility while reducing the amount of manpower (and significant labour costs), radical new automated delivery mechanisms have been developed and they are now breaking cover.

“Earlier in the year, Amazon unveiled a series of road delivery robots called ‘Amazon Scout’ which were rolled out for a trial in Snohomish County, Washington.”

Culey says that another last mile delivery innovation – drone deliveries – created excitement (and a little derision) when Jeff Bezos first went on the 60 Minutes show

in late 2013 and announced that Amazon planned to deliver goods to customers by drone in the future. “Since then, people realised that this was more than a mere PR stunt, and a race to operationalise these in order to drastically cut the cost of last mile deliveries ensued. Drone deliveries were successfully tested in the UK by Amazon and in Australia by Google, but it was the Chinese retailer JD.com who was the first to use them for commercial deliveries, mostly to rural areas.

“In April, a trio of milestones were announced. Firstly, UPS and drone technology company Matternet initiated a medical-sample delivery system for hospitals in Raleigh, North Carolina. Then, a California-based company called Zipline launched the world’s largest vaccine drone delivery network in Ghana, that is expected to be able to conduct up to 600 daily, on-demand medical drone flights to 2 000 health care facilities across the country. Finally, and most importantly for the retail industry, in late April, the Google drone spinoff, Wing, achieved the Federal Aviation Administration’s first certification for drone deliveries, followed almost immediately by Amazon who also received FAA approval, and who then declared that a new style of delivery drone would commence commercial deliveries this year.

The Architect of Disruption

Culey notes that the driver behind nearly all of these retail innovations – at least in the West - is the “disruptive behemoth that is Amazon”. These developments are either being driven by Amazon, or as a competitive response to Amazon, he states.

The Tip of the Iceberg

“For those not in the retail trade, do not be complacent,” Culey cautions. “One thing that has been true to date is that these new innovations do not respect industry boundaries. Once the customer gets a taste of ordering by voice, stores without checkouts and automated, same day delivery, they will expect a similar level of service in their industry,” he stresses.



CIRCULAR ECONOMY IS SAVING THE PLANET & BOOSTING PROFITS

Shoes made from ocean plastics, packaging material made from mushrooms and a green partnership between Ford and Heinz to build car parts from tomato fibre are examples of the circular economy in action.



Deborah Dull during her presentation at SAPICS 2019.

In a traditional linear economy, materials flow in a line; they are taken from the earth, made into an item in an affordable way, and waste goes into landfills when we are finished using the product. Circular economy has been inaccurately referred to as “recycling on steroids”. It was shown to be much more in an impactful presentation by United States based supply chain specialist Deborah Dull at the 2019 SAPICS Conference. She contends that supply chain management - and the circular economy - can save the planet. In her current role as Principal, Supply Chain Management, at General Electric subsidiary GE Digital, Dull works across the supply chain community to accelerate the transition to a circular economy. Her goal is to progress past a linear “take-make-waste” approach to one in which supply chains around the world are supporting a “make-reuse circular

approach to dramatically lengthen the lifecycle of the items around us”.

“Circular economy is already well under way around the world and goes beyond sustainability agendas,” Dull informed delegates in her presentation.

“The circular economy builds on the idea of industrial symbiosis where the idea is that a series of factories are set up next to each other; the biproduct or residual product of one factory process is used as a resource by another. Through local collaboration, public and private enterprises buy and sell residual products from one another, both making money and saving the environment. With new Industry 4.0 technologies, the concepts beyond the industrial symbiosis can be stretched across digital supply networks, allowing for materials and byproduct exchanges to happen at scale.”

#insightful

Organisations and governments are investing in these initiatives because of the capabilities of the circular economy, including profits, she said.

Challenging the misconception that saving the planet always comes at a cost, Dull reported that the circular economy is on track to add USD4.5 trillion to the global economy by 2030 and create hundreds of thousands of new jobs. “I argue that the true focus of circular is first on the ‘economy’ part; on expanding profits,” she stated.

Sports brand Adidas is embracing circular economy principles in its partnership with “Parley for the Oceans”, an environmental organisation that is fighting environmental threats posed by ocean plastic pollution. “In 2017, Adidas sold one million pairs of its Parley brand shoes, which are made with ocean plastic. In 2018, five million pairs were sold; and Adidas has announced that it will make 11 million pairs in 2019. These are not inexpensive shoes, but they are in demand,” Dull said.

Proctor & Gamble is making bottles from recycled plastic and ocean plastic. “As part of their ‘Ambition 2030 Initiative’, they have taken nearly all of their manufacturing facilities past zero waste towards circular models and have saved over USD2 billion.”

She revealed that there is growing emphasis on designing products for the circular economy. EcoCradle is

one such product. Designed to replace Styrofoam, it is a mushroom-based packaging material that is now being used by furniture giant IKEA. “It grows relatively quickly. It is cost effective; and it decomposes in 30 to 90 days,” explained Dull, adding that the global market for sustainable packaging is expected to reach more than USD140 billion in coming years.

The circular economy highlights the importance of extending the useful life of an item for as long as possible. This has increased “Product as a Service” offerings across the market, such as Uber, US-based “Rent the Runway” clothing rental, and – for an industrial example – “time on wing” for airplane engines. Dull explained that GE Aviation offers this time on wing through an “Outcome as a Service” offering to airlines, which means GE Aviation is responsible for predictive and preventative maintenance. “This is important, because assets are smart. Machines are intelligent. The Industrial Internet of Things and Industry 4.0 are bringing together sensors, advanced analytics, and machine learning. This combination means that the engine tells us when it needs to be serviced. And, as you can imagine, this is very powerful.” Maintenance, Dull explained, is a key enabler of the circular economy.

Dull finished her presentation by exploring the impacts of the circular economy on the supply chain, asking delegates to imagine waste as something

of value that will be exchanged among supply chains as input to products and processing.

With materials exchanges starting to emerge across the world, Dull showcased early examples of “parts passports”, which record an asset’s details and history, including market analysis for valuation, and pair up potential buyers and sellers. “We need to start thinking about waste as inventory. Consider how much of the circular challenge could be solved if everyone switched, tomorrow, to using recovered materials only - and no

longer used new, virgin materials,” she challenged.

At circular economy forums around the world, supply chain professionals are missing from the conversation. Dull concluded by urging SAPICS delegates to “invite yourselves to the discussions; supply chain teams find solutions to impossible challenges across the world. Now is the time to come together as a global community and create supply chains that can support circular business models”.



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SAPICS is proud to announce that we have partnered with TUMELO HOME: FOR THE MENTALLY AND PHYSICALLY DISABLED.

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[Click here to visit their website](#)



SUPPLY CHAIN MANAGEMENT IS A POWERFUL NEW WEAPON IN UNITED NATIONS PEACEKEEPING MISSIONS

The scope and magnitude of United Nations peacekeeping operations, and the logistics challenges of supporting 100 000 peacekeepers in operations around the world, were highlighted in a riveting and award-winning presentation at 2019 SAPICS Conference.

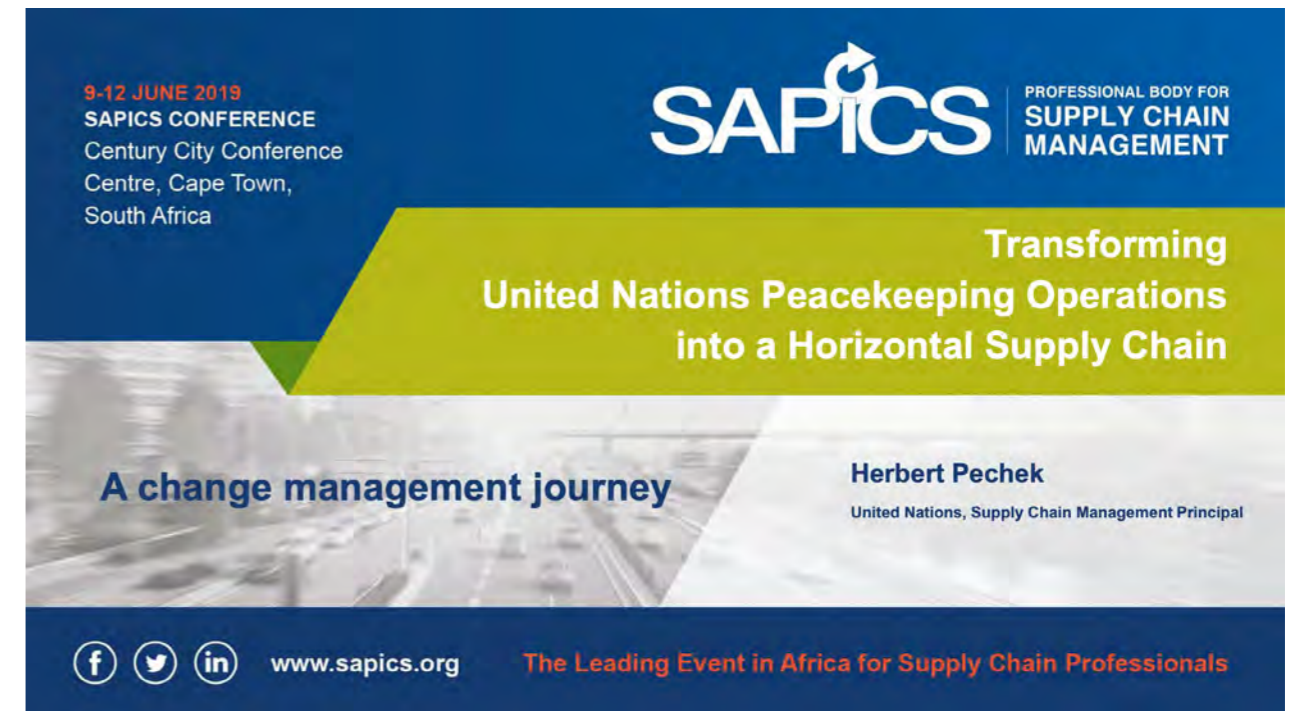
Herbert Pechek, who is the supply chain management principal at the United Nations Support Office in Somalia, was the main architect of the transformation of the organisation's complex, multidimensional peacekeeping operations into an efficient horizontal supply chain. He shared his insights and experiences with supply chain professionals representing 28 countries who attended this year's SAPICS Conference.

The United Nations celebrated the 70th anniversary of UN peacekeeping last year. Over the past 70 years, more than 1 million men and women have served



under the UN flag in more than 70 peacekeeping operations. More than 100 000 military, police and civilian personnel from 125 countries currently serve in 14 peacekeeping operations.

Despite operating a large, complex supply chain network consisting of processes and activities to procure, produce and deliver materials and services that include fuel, rations, water, equipment, modular camps and other items to field missions around the world, the UN did not use the words supply chain management before 2012, Pechek informed SAPICS Conference delegates. "The shift from 'business as usual' and a focus on what we deliver to thinking of the entire end to end supply chain started around 2014, when we discovered the SCOR tool (supply chain operations reference model) and began the mammoth process of aligning UN supply chains with industry standards. Our vision was to have a well-managed and agile supply chain to support UN field missions with effectiveness and efficiency. This represented the kick-off for the paradigm shift."



Click on the image above to see the presentation of Herbert Pechek, as presented during SAPICS 2019.

Pechek shared remarkable statistics to illustrate the importance of transforming the organisation's approach to supply chain management. "In terms of its aircraft and aviation services, the UN's peacekeeping operation would be ranked in the top 20 in the world if it was an international airline," he revealed. "Water and sanitation, power and energy, vehicles, field technology and fuel must reach the most remote areas of the world. In 2018, UN peacekeeping produced almost five billion litres of drinking water and treated 2.2 billion litres of wastewater."

Pechek said that fuel supply is one of the organisation's main supply chains, and revealed that in 2018, 28 million litres of diesel fuel and 10 million litres of jet A-1 fuel were supplied for peacekeeping missions. More than 61 million kWh of power was generated by over 220 power generation stations operated by UN peacekeeping, he said. Inventory held by UN peacekeeping last year included

roughly 90 000 SKUs (stock keeping units), including 29 000 SKUs of spare parts.

Food, rations and catering supply chains serve more than 400 UN cafeterias and field kitchens globally. United Nations peacekeepers consumed some 28 000 tons of fresh food in 2018, along with 50 000 tons of dry food and more than 2 000 tons of combat rations.

The medical support provided for UN peacekeeping missions last year included 487 tons of medicines and medical supplies for more than 722 000 patients and 768 UN-operated clinics.

"Our supply chains are life critical," Pechek stressed. "The effectiveness of peace operations depends on the operational support received. If our supply chains don't succeed, lives are at risk. We have to get it right the first time."

While transforming its supply chain strategy, the UN also rolled out an ERP

(enterprise resource planning) system. Pechek says that while the change has been challenging, and change management was critical, there is growing recognition in the organisation of the importance of supply chain management. "This fundamental change of approach in supporting field operations represented a clear paradigm shift that not everyone understood immediately. Many voices questioned the move from something that has served us quite

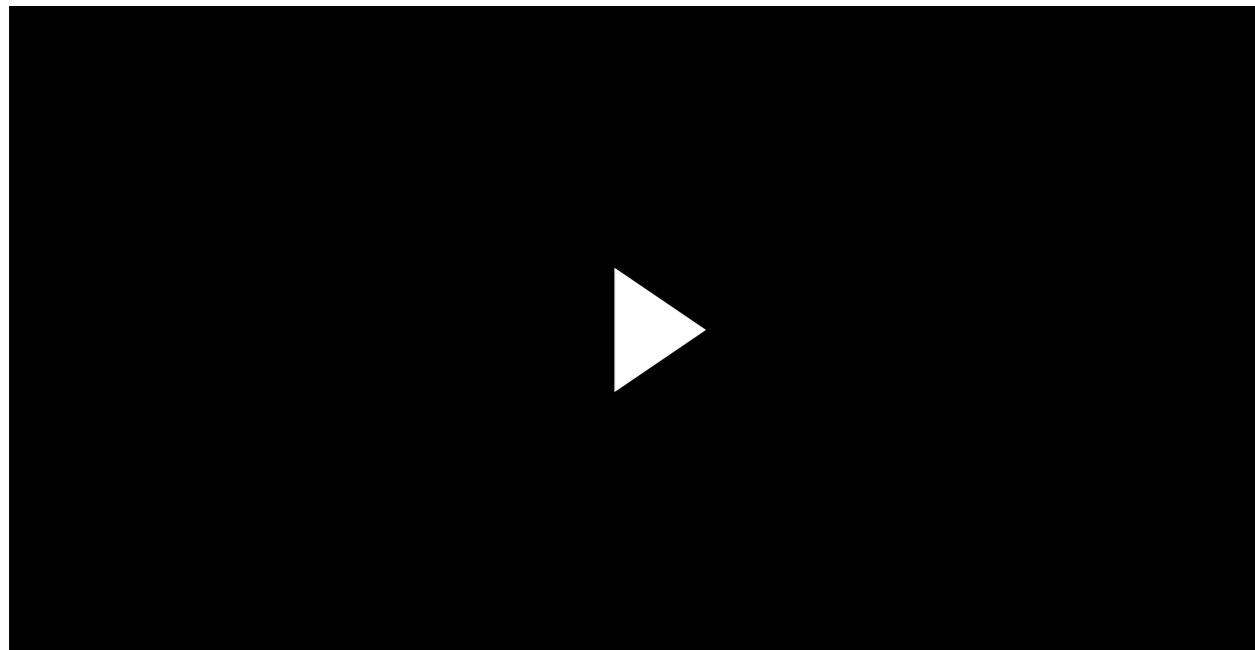
successfully for nearly 70 years. In January 2019, our success was reflected in the appointment at UN headquarters of an Assistant Secretary General for Supply Chain Management.

"Ultimately, better supply chain management will contribute to better mandate implementation for UN peacekeeping, special political and other field missions," he concluded.

A GLIMPSE OF OUR HIGH-TECH FUTURE AND POLITICAL RISK

SAPICS 2019 featured diverse keynote presentations by world leading futurist, author and business transformation specialist Sean Culey and risk expert Robert Besseling.

Culey gave delegates a glimpse of our high-tech future while Besseling examined the political risk that impacts supply chain management in Africa.



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REALITY TV SURVIVES AND THRIVES THANKS TO SUPPLY CHAIN MANAGEMENT

The terms reality TV and supply chain management rarely appear together. The reality is, however, that the production of popular shows like Survivor is only possible with the most efficient supply chains.



This is the contention of Antoinette Tebbutt, a supply chain education specialist who develops content for training and skills development programmes for supply chain professionals. In 2018, she was the outspoken contestant known as Toni on Survivor South Africa, spending 30 days living on different islands in the Philippines. Tebbutt shared her Survivor experiences and reality TV insights with delegates at the 2019 SAPICS Conference in Cape Town.

“Reality show Survivor started in 2000 in the United States, where they have

just finished filming their 39th season,” Tebbutt informed SAPICS attendees. “The concept has been adapted by other countries, making it an international reality show phenomenon that continues to attract viewers year after year.”

What struck her when she was a contestant was the logistics feat that the show represents, Tebbutt said. “People do not just appear on islands. Cameras do not just fall out of the sky. Props do not just materialise from coconut trees. I think it is safe to say that this show thrives and survives thanks to the seamless supply chains. Being someone

who has been involved in the supply chain field for 15 years, there were times when I just stood back and was amazed by the logistics of it all while I was out there starving,” she quipped.

The logistics challenges start with location decisions. “The producers fly to different island locations and scope out the area. Season 6 was filmed in the Philippines due to the current infrastructure and knowledge of the locals there who had worked on the US version at that location some years ago.”

Transport is vital in the Survivor supply chain. “In the Philippines season of Survivor SA, a problem was the distance between the various islands. There were islands that the different tribes lived on and also the various islands where challenges took place. You could only get from one place to another by boat. A fleet of eight speedboats and two bunker boats for equipment and materials was used. They used 720 litres of fuel daily.”

In addition to the contestants, there were 120 South African crew members and 160 Filipino crew members working on the show. Some of the statistics that Tebbutt shared in her SAPICS Conference presentation included that a total of 426 flights were booked for the duration of filming.

“Gear, including cameras, was flown in from South Africa to Manilla. From Manilla, they were put into a container on a boat and shipped to El Nido – since the planes to the island are too small. From El Nido they were taken to the crew by car or speed boat. All audio gear was airfreighted in from the United States.”

Tebbutt notes that one of the biggest challenges was getting the gear to the locations over Christmas and New Year. “We all know how tricky this time of the year is in the world of logistics,” she commented.

Building sets – for challenges, rewards and “Tribal Councils” – was also a Survivor logistics challenge. “There are no hardware stores down the road, so planning for these builds, procuring materials and getting them to the right place at the right time had to be meticulous to ensure that the tight production schedule was not delayed.” The supply chain was impacted by a number of cyclones which brought construction to a halt for a time, she reveals.

A new logistics angle featured in this season of Survivor when South African quick service restaurant brand Steers made an appearance in the Philippines. When the different tribes merged, a celebration feast was set up for contestants. “It was a Steers feast, and they even shipped in their ice cream machine for us,” enthused Tebbutt, who said it was a memorable moment as she had not eaten for four days.

In keeping with the growing global drive for greener supply chains, Survivor follows a strict policy of ensuring that all activities have zero impact on the location and environment. Reverse logistics came into play, with some materials having to be sent back to South Africa. “The place that I had called home for a month suddenly looked as though I had never been there at all,” Tebbutt concluded.

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SAPICS 2019 WAS CARBON NEUTRAL - THANKS TO CHEP

SAPICS was delighted to once again collaborate with conference sponsor and exhibitor CHEP to make the 2019 SAPICS Conference a carbon neutral event.

the Meru and Nanyuki Community Reforestation project in Kenya. This community project based in the foothills of Mount Kenya combines hundreds of individual tree planting activities and enables local communities to improve access to food and create additional sources of income beyond subsistence farming. In addition to generating revenue from the sale of carbon credits, the project provides training and facilities to improve crop production, grow trees as sources of food and medicine, and use wood more efficiently as fuel.

This means that all emissions associated with the event, including attendees' travel, energy consumption, waste emissions and other carbon impacts, were offset through the purchase of carbon credits. Carbon offsetting enables companies to reduce and measure the emissions associated with their products and services. Carbon Credits are purchased from a variety of global, emission reduction projects, offsetting remaining emissions to net zero. These projects also deliver economic, social and environmental benefits to the local communities.

The competition that CHEP ran at its stand was also a resounding success, creating awareness of the importance of reducing our carbon footprint. Delegates were asked to enter their travel details on an iPad in a dedicated area on the stand. They clicked on a website calculator that CHEP developed specifically for the event. Each time details were entered, the CO2 emission savings were updated and displayed on a TV screen. On day two of the conference, CHEP had a lucky draw for an iPad Mini. It was won by an ecstatic Ayanda Nteta, a student at UKZN.

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THE FUTURE OF ZERO WASTE TO LANDFILL AND THE NEW CARBON TAX

South Africa is fast approaching a situation of running out of landfill space; the inevitable “day full” is on our doorstep. The roll-out of the country’s carbon tax – which is geared towards reducing carbon emissions by 34% by 2020 and 42% by 2025 - will change the way that companies do business.



This was the message from Wasteplan CEO Bertie Lourens in a presentation at the 2019 SAPICS Conference. Lourens noted that, year after year, South Africa, which is the world’s 169th most populous country, has ranked as the 17th dirtiest energy producer on the planet - out-polluting the UK and France. “The carbon tax is an attempt to mitigate this consumer behaviour and reduce high greenhouse gas emissions while stimulating investor appetite for low carbon alternatives. As of June 1, 2019, South Africa started rolling out the Carbon Tax Bill, which will be implemented in stages and phased in

over time to ensure a smooth transition,” he explained.

Lourens summarised the carbon tax roll out for SAPICS delegates: “Phase 1 will run from implementation up to December 2022. The initial marginal carbon tax rate will be R120 per tonne of CO₂e (carbon dioxide equivalent). With the below thresholds in mind, the effective tax rate is much lower and ranges between R6 and R48 per tonne. A basic percentage-based threshold (up to 60%) applies for the first phase of implementation that is not tax payable, in order to help businesses transition and



adopt low carbon alternatives. Additional tax-free allowances include an additional allowance of up to 10% for process emissions; an additional allowance for trade exposed sectors, to a maximum of 10%; and an additional allowance of up to 5% based on performance against emissions intensity benchmarks. These benchmarks will be developed in due course. There is also a carbon offsets allowance of 5 to 10% per cent, depending on sector, and an additional 5% tax-free allowance for companies participating in phase 1 of the carbon budgeting system. As part of the tax, the carbon offset mechanism also allows companies to participate in a market-based approach to reduce emissions.

Ensuring Right Reporting

“Carbon emissions are submitted to the Department of Environmental Affairs (DEA) through legislation known as the National Greenhouse Gas Emission Reporting Regulation (NGER). Here, companies that rely on energy generation from their own equipment are obligated to report on all business-related activities for tax purposes.

“Once the carbon tax has been calculated, it will be paid to (and administered by) National Treasury, which will determine any further tax allowances, based on trade exposure, business performance, etc. At this point the process could become quite abstruse and bogged down by litigative complexities, and you’ll need some expert assistance,” he cautioned SAPICS delegates.

“We would recommend getting experts to help you navigate the tricky terrain of tax law.” He stated that there were things businesses could do now to anticipate this burden and reduce their waste to landfill so that less of the business is exposed to heavy carbon taxability, including investing in renewable energy, cool carbon projects and biogas digesters, and reducing waste to landfill.

“Africa is uniquely poised to leapfrog fossil fuel, carbon heavy systems and adopt wind, solar and water energy on sustainable, large-scale levels,” Lourens asserted.

“The tax will take all your activities into account, including the activities related to

your waste disposal on site,” he informed SAPICS attendees.

As a means of offsetting their carbon footprint, he recommended that companies invest in effective and environmentally sustainable projects that come in under the marginal carbon tax rate of R120 for every tonne of CO2e. “These partnerships are not only financially incentivising; they help support worthwhile green initiatives in other parts of the world.”

The biogas digester is a well proven technology that converts organic waste into a clean and sustainable energy source. Lourens explained that when organic waste such as discarded food waste is landfilled, it produces methane gas, which is many times more potent than CO2. Biogas digesters have been around in South African since 2014. “Unfortunately, many of the installations did not perform, with several facilities having closed-down or running with severe performance constraints. The most important lesson for successful implementation is the selection of an experienced local operational partner that

can assist in the development process from start to finish,” he advised.

Lourens said that the Western Cape Government has implemented legislation that will completely ban organic waste to landfill by 2028, which will force companies to implement solutions for the waste.

“New innovations are making Zero Waste to Landfill a reality. It requires an integrative approach with separation at source and effective down-stream waste management practises. This approach maximises recyclables recovery, while organic waste is isolated and treated using composting or biogas. The remaining waste consisting mainly of unrecyclable plastic packaging can then be converted, either into energy (such as electricity or oil) using Pyrolysis or, into bricks or concrete to build much needed infrastructure. The waste-to-energy landscape in South Africa is still in a vulnerable state, but we believe this will all soon change as our economy is shifting to a low carbon economy,” he concluded.



The fantastic Whova conference app was announced as the most used by all Whova clients globally for June! The delegates at SAPICS 2019 made the most of using the app to network, set up meetings, chat, create their individualised programmes, keep up to date with changes and developments and store their photos. Thanks to Imperial Logistics for their sponsorship of this valuable tool!

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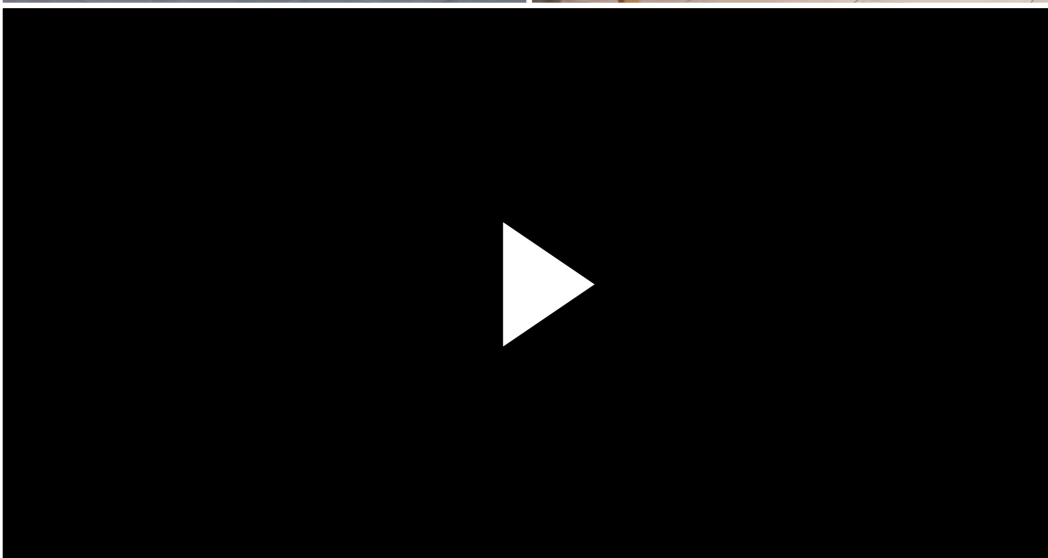


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PACKING MEALS FOR VULNERABLE CHILDREN



The 2019 SAPICS Conference in Cape Town gave supply chain professionals a chance not just to learn and network at Africa's leading event for the profession, but also to give back to those less fortunate.

Delegates showed that they are not just passionate about supply chain management, but about people, too, when they got together to pack a record 10 000 meals for Rise Against Hunger in just one hour. Their efforts will make a huge difference in the lives of 22 children in need.

The delegates worked together to pack meals that will provide 22 children with one hot meal a day five times a week for an entire year. The dehydrated, nutritionally balanced meals are specially developed for Rise Against Hunger's fight against hunger in the most vulnerable communities.

This is the second year that the SAPICS Conference has featured a meal packing event to support the international non-profit organisation.

SAPICS would like to say a huge thank you to the delegates who gave their time to the heart-warming initiative. In addition to seizing the opportunity to help vulnerable children, everyone had fun and enjoyed applying supply chain best practice to improve and streamline the packing processes. We are enormously grateful to everyone who made this record-breaking activity possible.

Rise Against Hunger's meal distribution programme supports around 70 early childhood development centres located around the Western Cape, in areas that include Khayelitsha, Cross Roads, Vrygrond, Hout Bay and Kosovo. Children at these centres will receive the meals packed at SAPICS 2019. The organisation helps some 50 000 beneficiaries nationally, through more than 300 early childhood development centres.



AWARD WINNERS AT SAPICS 2019

Sean Culey's outstanding presentation on how to thrive in the age of disruption netted him the award for the **"Most Innovative Speaker"** at the 2019 SAPICS Conference.

This year's **"Best Speaker"** award was presented to Herbert Pechek who is the supply chain management principal at the United Nations' support office in Somalia. He was the main architect of the transformation of the organisation's complex, multidimensional peacekeeping operations into an efficient horizontal supply chain.

The award for the **Best Written Paper** from a Practioner went to Susan Moore from the Rhodes Food Group in South Africa for her white paper which was based on her presentation entitled "What gets measured gets Improved". The importance of making your customer's experience your metric.

Presentations and White Papers from SAPICS 2019 are available [here](#).

Fabulous stands populated the exhibition area at the Century City Conference Centre in an intentionally smaller and more select exhibition.

Ingenious designs, innovative ideas and well-rehearsed and knowledgeable company representatives were provided by the exhibitors.

The independent panel of stand judges did not have an easy decision to make to select the best stands. After arduous consideration the following exhibitors were presented with awards:

#winners



Sean Culey on stage receiving the most innovative speaker award.



Best Booth – Linked.



Best Double Stand – Eazi Access.



Best Single Stand – Jera Consulting.



Herbert Pechek on stage receiving the best speaker award.



Susan Moore won best written paper.



Delegates celebrating all the achievements at the SAPICS 2019 closing dinner.



SAPICS 2019 trophies.



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