

SAIIE

Southern African Institute for
Industrial Engineering

News

Volume 5 – June 2018

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SAIIE & SAIE Student News

While winter chills are keeping us inside, do not forget the words of John Burroughs to keep us warm – *“He who marvels at the beauty of the world in summer will find equal cause for wonder and admiration in winter.”*

Another cause for admiration is the appointment of Dr Hannelie Nel, former President and current Fellow of the Southern African Institute for Industrial Engineering (SAIIE) by South Africa's Public Enterprises Minister Pravin Gordhan, to Denel's Director's Board. Hannelie also serves on the Board of the South African Society for Engineering Education and is a Senior lecturer in the Postgraduate School of Engineering Management within the Faculty of Engineering and the Built Environment (FEBE), UJ. She has over twenty years' experience in both industry and academia and her work entails business and education strategy development; the design, implementation and costing of business and quality management systems; training and education; business research systems; process improvement; and gender advancement in engineering.



An international author and speaker in her field of expertise, Hannelie works with international companies and universities and is an associate member of the Institute of Directors. In 2014, she was recognised as a finalist in the Standard Bank Top Business Women Awards; and in 2016, she was invited to join the International Women's Forum in recognition of her work towards the advancement of technical women. Other related awards include the 2013 WiEBE Award for Outstanding Contribution to Women in Engineering; the 2011 IEEE WIE Award for Human Capital Development in Science, Engineering and Technology; and 2 SAIIE awards for the promotion of industry and academia liaison. In 2017, the Southern African Institute nominated Dr Nel for the prestigious Professor Kris Adendorff Award for outstanding Industrial Engineering professional for Industrial Engineering. Congratulations, Hannelie.

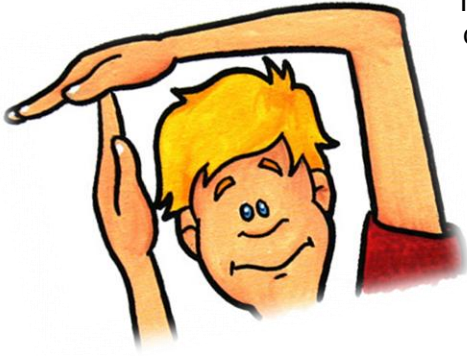


Let us also admire and congratulate Reuben Ichnikowitz on receiving the SAIIE Student Award for the Best Final Year IE Student for 2017 at the University of the Witwatersrand at the prize giving ceremony held on 16 May 2018.

The National Science and Technology Forum (NSTF) is pleased to announce the group of finalists contending for the prestigious NSTF-South32 Awards. This is the 20th year of the annual NSTF-South32 Awards. A Special word of congratulations to Prof Khumbulani Mpofu, from the Department of IE at the Tshwane University of Technology who is a valued Corporate Partner member of SAIIE, on his two nominations as well as Dr Thorsten Becker, section editor for the South African Journal of Industrial Engineering (SAJIE) on his nomination. For more information [click here](#).

The May 2018 edition of the South African Journal of Industrial Engineering, SAJIE Vol. 29 (1), was published on-line on 31 May 2018. This edition has a total of 15 articles, with 12 from authors with South African connections and the balance from international authors. The feature article in this edition leverages a mathematical model of innovation for complex adaptive systems to explore organisational innovation investigations conducted at Stanford University Medical Center, with an aim to allow additional sources of innovation. [Click here](#) to read the articles from this edition.





The SAIE Business Administrator, Lynette Pieterse, will be taking a break during the month of June. While she is marvelling in the beauty of the Adriatic Sea, the **SAIE office** will unfortunately be **closed** as from **7 – 29 June 2018**. Please forward any SAIE29 conference related enquiries to the Conference Coordinator, Thereza Botha at thereza@technoscene.co.za. SAIE Awards & Gala evening related enquiries should be directed to Waldo Viljoen at president@saie.co.za. All other enquiries will be dealt with upon her return.

SAIE Council News

ECOSA is looking for registered professional engineers who would like to assist ECOSA with assessing and reviewing applications for registration in the Chemical, Industrial and Aeronautical engineering fields.

Should you be interested in assisting ECOSA with the above-mentioned functions, there will be training provided for assessors and reviewers by ECOSA, please respond by sending your CV, ECOSA registration certificate or registration letter, your province and discipline to tshepang@ecsa.co.za, and CC admin@saie.co.za.

ECOSA will then send you an invitation on the training dates in your province.

Please Note!

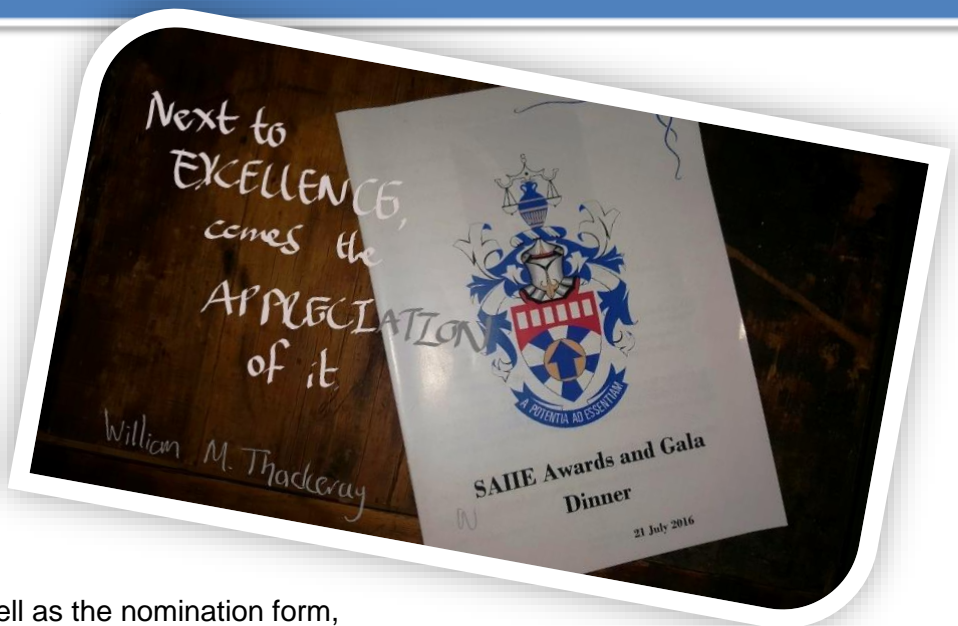
SAIE and other Events

The **2018 SAIE Awards & Gala Evening** will take place on **Friday 27 July 2018** at 18h30, at The Birchwood Hotel & OR Tambo Conference Centre. During this prestigious event SAIE honour and celebrate outstanding contributions to industrial engineering in Southern Africa.

Council decided to extend the due date for the submission of nominees to Friday, 29 June 2018.

Please [click here](#) for more detail as well as the nomination form, nomination criteria as well as sponsorship opportunities. Please forward the completed and signed nomination form together with a CV to lynette.pieterse@up.ac.za.

Please [click here](#) for a view of the 2017 SAIE Awards & Gala Evening.



Award categories are as follows:

- **Prof Kris Adendorff Award for Prominent Industrial Engineering Professional**
This award is open to all active Industrial Engineering practitioners in Academia and in Industry that has achieved high recognition as an exceptional leader and achiever nationally and/or internationally
- **SAIIE Award for Outstanding Industrial Engineering Educator**
Open to all practising Industrial Engineering educators at a Southern African higher education institution
- **SAIIE Award for Outstanding Industrial Engineering Researcher**
Open to all NRF rated researchers in the field of Industrial Engineering
- **SAIIE Award for Outstanding Young Industrial Engineering Researcher**
Open to all Industrial Engineering practitioners under the age of 35 years, involved in research in the field of industrial engineering

It is with great excitement that SAIIE invites you on a journey of



We cordially invite our IE professionals to the **29th Annual Conference of the Southern African Institute for Industrial Engineering**, the premier conference of industrial engineering and related disciplines on the African continent. The conference gives industry, organisations, academics, and government the opportunity to showcase cutting edge practice and research. Delegates will benefit from networking opportunities to exchange ideas, to gain insight from peers and to engage with the most up to date thinking in industrial engineering. Besides these personal growth opportunities, delegates will earn CPD points for attending the conference. Peer-reviewed papers will be published in the conference proceedings, earning publication credits. The best papers will be reviewed and published as full journal papers in a special edition of the ISI-listed South African Journal of Industrial Engineering, without further editing required.

Abstract submission

Abstracts are invited for the ABSTRACTS ONLY (presentation brief/case study brief) track.

Please [click here](#) for the Call for Papers. All abstracts should be submitted electronically on the following website: <http://conferences.sun.ac.za/index.php/saiie29/>



Early Bird Conference registrations	Before 31 August 2018
Full Paper submission	18 June 2018
Final camera-ready papers	15 September 2018
Abstracts submission deadline (for abstract-only track)	15 September 2018

Navigate to <http://www.saiie.co.za/saiie29> for more information and to register as delegate. We are looking forward to welcoming you at the SAIIE29 Conference at Spier, Stellenbosch!

Other Events:



Content and Network for Decision Makers in the Transport Sector

You are invited to a Transport Forum Special Interest Group event named, Bus Rapid Transit, on Thursday **7 June 2018** from 12:00 – 16:00 at the School of Tourism and Hospitality, Bunting Road Campus, Auckland Park, Johannesburg. This event is proudly hosted by the University of Johannesburg's Institute of Transport and Logistics Studies (Africa), or ITLS (Africa). For more information and to register [click here](#).

40th
annual
conference

SAPICS
2018
Cape Town
10-13 June

Supply chain management is a rapidly growing and ever-changing field. Keeping up with these changes is essential for staying at the top of your game. Join us at Century City, Cape Town and move up the supply chain career ladder. Visit <https://conference.sapics.org/> for more information and to register. This event is registered for 3 CPD credits by SAIE.

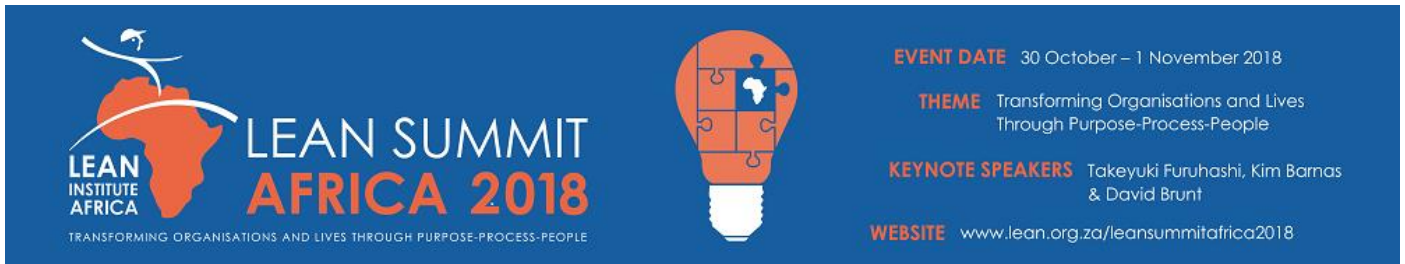
Africa's longest running, and most successful railways event now enters its 21st successful year and has grown to become Africa's most important and best supported railways conference and exhibition. It is an unrivalled platform for the continent's railways industry to come together, to learn, to network and to do business. This event is scheduled for **12 – 13 June 2018** at the Sandton Convention Centre, Johannesburg. Please [click here](#) for more information and to register. This event is registered for 2 CPD credits by SAIE.

The logo for AfricaRail 2018, featuring a stylized yellow and blue train icon to the left of the text "AfricaRail 2018". The word "AfricaRail" is in a bold, blue font, and "2018" is in a bold, yellow font.



Registration for the 47th Annual ORSSA Conference is now open. The conference will be taking place at the CSIR's International Convention Centre in Pretoria from **16 – 19 September 2018**.

Members are invited to submit abstracts to be presented in the form of a presentation or poster. Only a limited number of posters will be accepted, and submission of abstracts closes on **22 July 2018**. Please [click here](#) for more information.



LEAN INSTITUTE AFRICA
TRANSFORMING ORGANISATIONS AND LIVES THROUGH PURPOSE-PROCESS-PEOPLE

LEAN SUMMIT AFRICA 2018

EVENT DATE 30 October – 1 November 2018

THEME Transforming Organisations and Lives Through Purpose-Process-People

KEYNOTE SPEAKERS Takeyuki Furuhashi, Kim Barnas & David Brunt

WEBSITE www.lean.org.za/leansummitafrica2018

The **Lean Summit Africa 2018** is the 9th Summit hosted by the Lean Institute Africa. The Summit brings local and international speakers together with lean practitioners from across Africa. Their collective experience of lean implementation is unparalleled in Africa.

Lean Summit Africa 2018 will take place at The Vineyard Hotel in Cape Town on **30 October - 1 November 2018**. The Summit theme is *Transforming Organisations and Lives Through Purpose-Process-People* and the keynote speakers are **Furuhashi**, International Lean Practitioner (Japan), **Kim Barnas**, President of Catalysis, Healthcare Improvement Centre (USA), and **David Brunt**, CEO of Lean Enterprise Academy (UK). Previous speakers have included Jim Womack, Dan Jones, John Shook, Mike Rother and Michael Ballé.

At the Summit, the latest lean thinking and practice in both the private and public sectors will be presented alongside case studies from across South Africa. The Summit aims to present lean management to those who are new to it and inspire and motivate those already using lean management in their organisations.

For more information, download the [Summit Factsheet](#). This event is registered for 3 CPD credits by SAIE.

Lean Analytics Meetup:

These Meet-up groups welcome anybody with an interest, or expertise, in Operations Research, Statistics, Data Mining, Computer Science, or related disciplines. These events are a forum for people to network and share expertise or passion (or even struggles) related to any of these fields, be it quality improvement, cost reduction, analytical insights, process optimisation, etc.

The format is based on a lightweight meeting structure called Lean Coffee (<http://leancoffee.org>), which requires no formal preparation by participants. We simply discuss the issues raised by those attending. So, bring your topics and join us, whether you are professional, a student, or simply curious about the science of making things better. You will also hear about upcoming national and chapter ORSSA and SAIE events, as well as feedback on topics being raised by similar meet-ups held in other chapters.

These meet-ups are held every second Wednesday morning and all the details of the venue and time are available on the Meet-up page. Kindly follow the link for the Meetup in your area below.

Pretoria Meetup: <http://www.meetup.com/Lean-Analytics-ORSSA-PTA/>

Johannesburg Meetup: <http://www.meetup.com/Lean-Analytics-ORSSA-JHB/>

Stellenbosch Meetup: <http://www.meetup.com/Lean-Analytics-ORSSA-STB/>

The following courses/conferences have been accredited for CPD credits through SAIE for 2018:

- **Plant Simulation Basics, Methods and Strategies**, 5 CPD credits, contact ESTEQ Engineering at 012 809 9500.
- **Power of Process Champion Course**, 4 CPD credits, contact LTS Consulting Pty. Ltd at 021 913 8959.
- **5th Annual SAAMA Conference**, 3 CPD credits, visit <http://saama.org.za/> for more information and to register.
- **AfricaRail2018**, 2 CPD credits, [click here](#) for more information and to register.
- **SAPICS2018**, 3 CPD credits, visit <https://conference.sapics.org/> for more information and to register.
- **SAIE29**, 3 CPD credits, visit www.saiie.co.za/saiie29 for more information and to register
- **Lean Summit Africa 2018**, 3 CPD credits, visit <http://www.lean.org.za/leansummitafrica2018/> for more information and to register.

Road to Registration Courses scheduled for 2018:

Kick-start your career and work towards being registered with ECSA. Being registered allows you to:



- Demonstrate your competence
- Gain recognition as a professional
- Earn more
- Boost your career prospects
- Work independently
- Add the designation Pr Eng, Pr Techn Eng or Pr Techni to your name

Please [click here](#) for the various public **Road to Registration** courses scheduled by Candidate Academy. SAIIE is prepared to arrange with a mentor to assist you with any discipline-related questions. Kindly notify the SAIIE Administrator at lynette.pieterse@up.ac.za if you have booked for any of these courses.

Articles

Andy Heikkila writes in his article *The Innovative Internet of Everything and Everywhere* - "Everywhere you look around you, there's a hidden world layered on top of the one you see. This world is made up of information and data, silently being measured, transmitted, and analyzed. Invisible connections between devices, routers, cellphone towers, satellites, and servers comprise this gigantic network and make everything possible from online shopping to GPS navigation to Poke mon Go. This network of connections is the internet of things (IoT), and it's growing around you by the minute." [Read on.](#)

In the interesting article *4 Innovation Mistakes That You Really Need To Avoid* by Greg Satell he writes – "One of the things that startup guru Steve Blank likes to say is that no business plan survives first contact with a customer. What he means that every idea is wrong. Sometimes it's off by a little and sometimes it's off by a lot, but it's always wrong and the sooner we find its flaws the sooner we can start making it work." [Click here](#) to read on.

"Businesses can get so wrapped up in all the excitement of an innovation idea they tend to give very little time to what the competition might do once the innovation has launched." Shelly Greenway will show you *How Do You Make It Difficult For The Competition To Copy?* [Read more.](#)

Job Vacancies

If you are in doubt of the success of advertising job vacancies or applying for job vacancies on the SAIIE portal, read the following letter received from DSV Solutions after they advertised 3 positions for IE's in the SAIIE May 2018 Newsletter –

Dear SAIIE,

DSV would like to extend our sincerest thanks for the use of your online job posting portal and the continuous communication to your membership footprint.

Through the portal advertisements, DSV received in the excess of 50 CVs as application for our vacancies.

2 of the 3 vacancies were filled by the above-mentioned applications – which had a financial impact for DSV because we did not have to pay any recruitment fees.

Thank you for allowing us access to your membership portfolio.

Kind regards,
DSV Management.



Industries who would like to advertise job vacancies, their products/services or events on the SAIE web page are asked to register at <http://industry.saiie.co.za/>. Do not hesitate to contact SAIE Administrator for more information on this.

Let us stay positive during the winter months with the words of Hal Borland – *“No winter lasts forever; no spring skips its turn.”*

Until again!

Contact Us

SAIE and SAJIE Administrator

Southern African Institute for Industrial Engineering

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E-Mail: Go to www.saiie.co.za and click on “Contact Us” or lynette.pieterse@up.ac.za

Website: www.saiie.co.za