

SAIIE

Southern African Institute for
Industrial Engineering

News

Volume 1 – February 2020

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We would like to welcome SAIIE members back from the festive season with the words of Michael Bassey Johnson:

There are greater things to be achieved in every New Year, and each and everyone must prepare themselves to be great, not by words of the mouth, but by a lot of sacrifices.

Although we are in the beginning of a brand new year, SAIIE's membership year is almost at an end. Members are reminded that the membership year runs from 1 April to 31 March.

Members who have not paid their 2019/2020 membership fee, are kindly reminded to do so before 31 March 2020. Membership of those members, whose membership fees are still outstanding by 1 April 2020, will unfortunately be deactivated.



Good news for our new members who joined SAIIE during 2020; your membership fees invoiced will be carried over to the 2020/2021 membership year. During April 2020, you will receive an invoice for only the small increase in membership fees and not for the total amount. Annual membership fees invoices for 2020/2021 will be e-mailed to all other members during April 2020.

With our member management portal, you can check your account history including your invoice that was issued to you, edit your personal details and see your electronic membership certificate by navigating to www.saiie.co.za. Login with your membership number or your e-mail address and password. If you have lost your password, just add your username and click on "forgot password" and within minutes you will receive a new password. With this system, you will be able to pay your membership fees via PayFast or you are still welcome to make use of an EFT payment.

Time to upgrade your membership status?

| | | |
|------------------|------------|--|
| Honorary Fellow | Hon.FSAIIE | By invitation only |
| Fellow | FSAIIE | A person who has been a Member (MSAIIE) for a minimum of seven years and held position of profession responsibility in IE |
| Member | MSAIIE | An ECSA registered engineering person and/or a person with at least seven years of combined tertiary and practical IE experience |
| Associate Member | AMSAIIE | A Candidate Engineer/ Technologist/ Technician working towards registration as well as practical experience; and/or A person who expresses a professional interest in IE and is desirous of subscribing to the objectives of the Institute; Student upgrading to AMSAIIE |

[Click here](#) for more information on how to upgrade your SAIIE membership status. More **good news** is that Student Members (StMSAIIE) who have completed their studies and wish to upgrade to Associate Membership (AMSAIIE) pay only a discounted fee for the first year of their Associate Membership.

The **South African Journal of Industrial Engineering (SAJIE)** again experienced a very successful 2019.

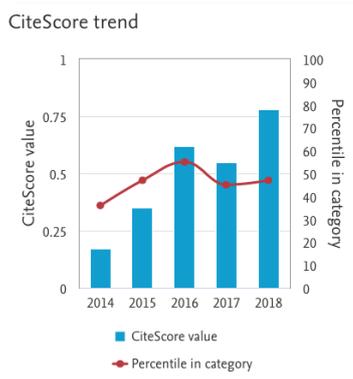


Figure 1: Scopus CiteScore

As initiated the end of 2017, it is now customary to evaluate how the journal is performing. Scopus (www.scopus.com) measures impact with a “CiteScore” and the graph in Fig 1 (extracted from Scopus on 10 December 2019) shows the progress made over the last few years. The CiteScore for a year is calculated as Citation Count for the year / number of documents the previous 3 years. It was reported a year ago that we were seeing a temporary negative trend with the expansion to more editions. As you can see from the graph, we had turned the trend around, and the CiteScore index is now the highest ever, with the interim CiteScore for 2018, as updated on 12 November, now at 0,78. Our ranking with regard to the Percentile in the category, is also again improving, and hopefully we will become a Q2 journal in 2020.

Another important source for journal standing, is Scimago Journal and Country Rank (www.scimagojr.com), where the journal is also listed as a Q3 journal in the “Industrial and Manufacturing Engineering” subject area. It is very encouraging to observe how the number of citations has been growing (Fig 2).

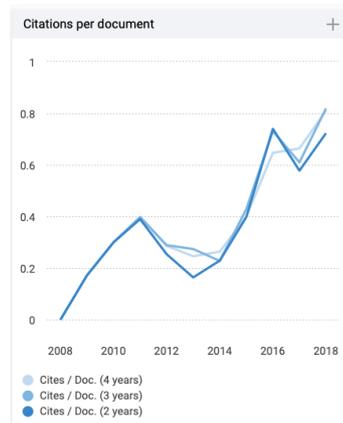


Figure 2: ScimagoJR Citations per Document



SAJIE Vol 30 No 4 (December 2019 edition) was published on-line on 12 December 2019. This edition has a total of 11 articles, and one guest editorial, with 7 from authors with South African connections and the balance from international authors. The guest editorial was authored by Dr Dino Petrarolo, and RC Everson, and discusses the transformation of Distell’s supply chain. Dino is well known in the South African Industrial Engineering community, as past president of SAIIE, ECSA accreditation team leader, and prominent business leader and consultant. Another interesting difference in this edition, is that one of the articles contains a summary in an African language – Siswati. While this is a deviation from our standard practice, we decided to allow it. Dr Sisana Mdluli from UNISA had done the language editing on the summary. Many thanks Dr Mdluli!

SAIIE Student News

Congratulations to Jurie Zietsman from Stellenbosch University who received the SAIIE Award for Best IE Student: 2019 at a prize giving ceremony held on 8 December 2019.

From left to right: Prof Corné Schutte (Chairman: Department of Industrial Engineering) and Jurie Zietsman



DST-NRF SARCHI in Future Transport Manufacturing Technologies: Available Graduate Study Opportunities. Due date **7 February 2020**. For more information and how to apply [click here](#).



Want to give back to the IE student community?

SAIIE is embarking on a mentorship programme to assist SAIIE Student Members currently studying towards an industrial engineering qualification. Should you be interested to mentor a student(s), please notify the SAIIE Administrator, Lynette at admin@saiie.co.za.

Put your Student Chapter on the map by sharing the hip and happening!

The new academic year has started and SAIIE is looking forward to receiving news from all the Student Chapters. Please forward your Student Chapters news or events (don't forgot all those gorgeous pics and selfies) to the SAIIE Administrator, Lynette at admin@saiie.co.za.

SAIIE Council News

Call for nominations: ECSA Council

SAIIE was invited to nominate one or more persons for consideration and possible appointment as member(s) of the Engineering Council of South Africa (ECSA) in terms of the Engineering Profession Act, 2000 (Act No. 46 of 2000).



The following should be noted:

- SAIIE may nominate as many persons as we deem appropriate.
- Nominees must be registered with the Engineering Council of South Africa (ECSA), in at least one of the following categories: Professional Engineer, Professional Engineering Technologist, Professional Certificated Engineer, Professional Engineering Technician or a specified category (registration in the candidate category is expressly excluded in terms of section 3(1)(a) of the Act).
- Nominations must be duly authorised by the President of SAIIE.
- Nominees appointed to the ECSA Council may not serve for more than two consecutive terms of office.
- The ECSA Council will meet at least four times a year and will be supported by administrative staff. The period of office for the Council members is four years.
- Since the number of Voluntary Associations and Nominating Bodies far exceed the number of vacancies on ECSA Council, ECSA will give serious consideration to the nominees' expertise, background and ability to represent more than one sector of interest contemplated in section 3 of the Act.
- All nominees must be South African citizens and be ordinarily resident in the RSA.
- ECSA will establish a "Recommendation Panel" (in terms of Rule 8.1 of the Procedure for the Nomination of Council members) which will be responsible for recommending to the ECSA Council the names of the nominees considered most suitable for appointment by the Minister. No member of the Recommendation Panel will be eligible for appointment to the ECSA Council.
- The Minister retains the discretion to appoint any person who may have been nominated but not recommended. Therefore the names of all the nominees will be presented to the Minister.

Appointments will be on a non-remunerative basis. Only reasonable travel and subsistence expenses will be paid to members. Should you be interested to be nominated for consideration and possible appointment as member of the Engineering Council of South Africa, kindly ensure to contact the SAIIE Administrator, Lynette at admin@saiie.co.za not later than **Monday, 24 February 2020**.

SAIIE and other Events



SAIIE invites you to a site visit at Bridgestone's Manufacturing Site in Brits on **Friday 21 February 2020**. This event is free of charge for active SAIIE members, but online registration is essential. We can only accommodate a maximum of 10 candidates so bookings will be

done on a first come first booked basis. Please navigate to www.saiie.co.za, log in with your username and password and go to "Events" for more information and to book. Transport will be available from Pretoria and should be booked with the SAIIE Administrator, Lynette at admin@saiie.co.za. This event will be registered for CPD credits.



Inspiring change to create a sustainable future for all

As we start a new decade and experience the once futuristic year of 2020, SAIIE31 will encourage us to think more strategically and creatively about how we will embrace the balance of the 21st century in a way that will both protect and revive our planet. SAIIE31 once again brings together the finest thinkers, doers, dreamers and learners in the field of industrial engineering to reimagine making things both better and differently.

Join us for three spectacular days filled with thought-provoking presentations, engaging and challenging conversations and endless possibilities to think in new and greenways. The conference will be followed by our highly successful industry tour day on 8 October providing you with a chance to spend the day broadening your mind and sharing ideas with other industrial engineering professionals.

We encourage academia and industry, the young and the wise – everyone who is enthusiastic about sharing and learning – to contribute to the conference with a full paper or presentation.

Full papers will require the submission of an abstract that will, if accepted, be followed by the submission of a full paper subject to a peer-review process. Papers that have passed through the peer-review process will be published in the conference proceedings.

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 reviewing.

IMPORTANT SUBMISSION DATES

| | |
|--|------------------|
| Abstract and full submissions open date | 15 January 2020 |
| Abstracts for full paper submission track* | 20 February 2020 |
| Full paper deadline | 15 June 2020 |
| Final camera-ready papers | 1 September 2020 |
| Abstracts for presentation only track | 1 August 2020 |

Upload abstracts & papers: <http://conferences.sun.ac.za/index.php/saiie31>

For more information:

visit our website
or email

<http://www.conference.saiie.co.za/>
conference@saiie.co.za

Other events:



The 30th CIRP Design Conference is scheduled from **6 – 8 May 2020** at Kruger National Park. For more information [click here](#).

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

- **Introduction to Simulation Technology**, 2 CPD credits, contact Simulation Engineering Technologies at 012 665 0803
- **Man / Machine / Method on-line conference**, 0.5 CPD credits, contact Jessica Murray at 084 025 7232 or jess.southey@gmail.com or navigate to www.cpdninja.thinkific.com for more information.

Lean Analytics Meetup:

These Meetup 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 meetups are held every second Wednesday morning and all the details of the venue and time are available on the Meetup 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/>

Road to Registration Courses scheduled for 2020:



Kick-start your career and work towards becoming registered with ECESA. 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. SAIE is prepared to arrange with a mentor to assist you with any discipline-related questions. Kindly notify the SAIE Administrator at admin@saiie.co.za if you have booked for any of these courses.

Articles

Soren Kaplan in his article *Don't Make a New Year's Resolution. Create a Start-Stop-Continue Plan Instead* writes: "Real change requires more than just doing something new. It also involves stopping what doesn't work and continuing what's already working well." [Read on.](#)

In the article, *Amazing SA inventions of 2019*, published by Engineering News, Martin Zhuwakinyu writes about innovations developed in South Africa during 2019. [Read on.](#)

Competing for Growth: South Africa's Carbon and Stainless-Steel Value Chain Master Plan. [Click to read.](#)

ESKOM's new approach to project stability and community engagement. [Click to read.](#)

Job Vacancies



A well-known hospital is looking for a Hospital Process Improvement Engineer who will support the hospital management team in identifying areas of sub-optimal process performance in the hospital and develop and implement contextualised solutions to address these areas of improvement. Should you be interested to apply for this vacancy, please navigate to www.saiie.co.za, log in with your username and password and go to "Job Vacancies" for more information and to submit your CV.

Companies and Organizations 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.

In a continuing effort to increase the value that SAIE provides to the Industrial Engineering community, we would like to invite all Industrial Engineering employers who provide In-Service Training for students required to complete their P1 & P2 in pursuit of an N.Dip qualification to post these positions on the SAIE Job Vacancy Listing module on our website, **free of charge!** Please also contact the SAIE Administrator for more information on this.

Testimonial from DSV:

"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 applications 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."

THIS 2020

Don't just dream, do.
Don't just hear, listen.
Don't just talk, act.
Don't just tell, show.
Don't just exist, live.

Until again!

Contact Us

SAIIE and SAJIE Administrator

Southern African Institute for Industrial Engineering

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