

# IPET NEWS. June 2018

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PO Box 1824, Randburg 2125. Office Tel (011) 787 9706. Fax 086 664 7963  
E-mail ; [engineer@netactive.co.za](mailto:engineer@netactive.co.za) Web site ; [www.ipet.co.za](http://www.ipet.co.za)

## Hi Member

Your IPET Newsletter is below.

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### Mentors required.

We appeal to members to be placed on our Mentor list. Requests for mentors are sometimes received from students and candidates. What is a mentor? Simply put he or she is an adviser. The mentor offers advice and guidance and does not have to become an educator or trainer. The depth, detail and frequency of the advice given is up to the mentor.

Requests for mentors will be passed on to the mentors listed in the appropriate discipline and the mentor then may accept or reject the request.

Help future Technologists by putting your name on the list please.

Send us an E Mail with your name and E mail address and indicate what discipline of engineering you may assist in to [engineer@netactive.co.za](mailto:engineer@netactive.co.za). Mark E Mail MENTORS please.

Thanks from all the young members!

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### ECSA CPD problems.

A number of members have noted that the ECSA website for CPD does not work. It appears that the person's history is lost. This also applies to the records of who is registered and who is paid up or not!

When trying to verify a person on ECSA website to see if they are registered the discipline is not indicated. This is a major problem that someone can now claim to be an engineer, technologist or technician in the various fields and one does not know if it is in fact true.

If you experience such problems (or have the solution) please notify ECSA directly and copy us so we can monitor the situation to try to assist in getting ECSA to fix the problems.

ECSA contact details are

ECSA Private Bag X691

Bruma

2026

Tel 011 607 9550

Fax 011 622 9295

E Mail [engineer@ecsa.co.za](mailto:engineer@ecsa.co.za)

ECSA Website [www.ecsa.co.za](http://www.ecsa.co.za)

*Ed; Keep records (preferably paper records) of all your dealings with ECSA for at least 7 years!*

*Paper does not need a battery to keep it going or to read the records!*

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### Site Visits.

Is anyone interested in attending a site visit, during normal week working hours, to say SA Breweries or the SABC, etc? (Johannesburg area). If so please send us an E mail to say yes or no and we will try to organise a visit and keep you informed of details and when etc. Mark E Mails SITE VISITS please for easy sorting.

E Mail [engineer@netactive.co.za](mailto:engineer@netactive.co.za)

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### Branch chapters.

Is anyone interested in starting an IPET Branch in one of the main cities? A few meetings a year may be expected. Financial help in organising will be given within reason. Any suggestions and volunteers please E Mail us about

this if interested. Mark E Mails BRANCH Chapters for easy sorting please.  
E Mail [engineer@netactive.co.za](mailto:engineer@netactive.co.za)



## Nelson Mandela University Alumni

Published by Liska Hendricks [?] - February 9 · 🌐

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### Welcoming the future Electrical Engineers

BTech Electrical Engineering graduate Ken Ramjee, an active Nelson Mandela University alumni ambassador, Engineering Council of South Africa (ECSA) member and volunteer welcomed the first-year Electrical Engineering students in their numbers on the university's North Campus.

The purpose of the lecture was to congratulate, equip and ensure students have made the best decision in choosing Nelson Mandela University and Electrical Engineering as their first option in furthering their studies.

Ramjee explained the diversity and cultural inclusivity of the course.

"Thousands of people worldwide would love to attend this university and will quickly grab the opportunity if you do not want to be within this institution."

He wished the students well and encouraged them to work hard as they will reap the rewards at the end and shared some information about the ECSA.

"The Engineering Council of South Africa is a statutory body established in terms of the Engineering Profession Act (ECA).

The lecture was closed by a senior student who also wished the new Electrical Engineering students a good year.

For more information about the university and the ECSA please follow the links below:

<https://www.mandela.ac.za>

<https://www.ecsa.co.za>

***Good work by our PE member Mr Ken Ramjee!***

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## **Civilition Forum**

The purpose of the movement is to form a body that speaks with one voice on common issues relating to all engineering related matters. Representatives from various Voluntary Associations have attended a number of meetings to date.

A name for this organisation has been finalised and now is the  
***South African Forum for Engineering (SAFE).***

A Memorandum of Understanding has been drafted and requires approval by all the participating VA's before being signed.

A further progress meeting will take place in the coming quarter.

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## **The Court Case Against ECSA – Update.**

No News on progress received yet. Court date is still to be finalised.

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## **ECSA Annual Fees and Discounts for Our Members.**

This year's ECSA fee is R3867.27 and for our members R 3275.11

***The discount is then R592.16.***

***So it pays to belong to IPET.***

ECSA's invoice may only show the final figure and not the first figure and the discount.

ECSA invoices can be expected to be sent in April.

(IPET invoices were sent in April. If you have not yet paid IPET please do so soon).

*Different fees and discounts apply to ECSA candidates.*

ECSA has requested a list of all paid up member and members who have been deleted due to non-payment, resignations and death etc. These lists then may affect the discount ECSA grants to members.

Lists as at the beginning of March 2018 have been sent to ECSA.

Please see our Website for a list of members in good standing. It is updated from time to time.

*(If not up to date (see date shown) then allow our webmaster a few weeks grace as he is overseas at this time).*

[www.ipet.co.za](http://www.ipet.co.za)

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### ***Snippets.***

*The following mini articles, notices and news follow the trend of interesting scientific, engineering developments and general interest items that we come across. Read and enjoy!*

*Please feel free to contribute by sending your articles to share with our members!*

*Ed*

### ***Snippets.***

## **The Nations Average IQ.**

Research in 2002 to 2006 by Professors Richard Lynn (Psychology) and Tatu Vanhanen (Political Science) gave interesting and controversial results. They argue that differences in the national income correlate with the nations average IQ. Other factors also influence the results.

Some of the nation's results are shown below.

China	100
United Kingdom	100
United States of America	98
Zimbabwe	82
Zambia	79
South Africa	77

## **Girls Outperformed Boys in Engineering and Technology Literacy Exam**

By: Paul Cook

The US Federal government conducted a test for engineering and technology literacy, and for the very first time, girls have outperformed boys. The exam, named the National Assessment of Educational Progress, or simply NAEP, was conducted in May. Results show that 43 percent of students tested were proficient in the field. Among those, 45 percent were girls, whereas 42 percent were boys.

The test was specifically designed to analyse the test takers' ability to understand a specific technological problem and design a solution for it, through collaboration and communication. This test indicated that girls possess stronger problem-solving skills as far as technology and engineering literacy are concerned.

There were more than 800 schools nationwide that took part in this test, with around 21,500 student participants. The test was computer based, where the students were given some scenario-based problems extracted from real life, and they were asked to provide a solution for those problems. This test is known for providing schools with information on the performance of students in subjects like math and reading. NAEP, in the year 2015, declared 33 percent of the students proficient in math while 34 were considered proficient in reading. This exam is crucial for the overall education system as it helps the educational staff, as well as the policymakers, to keep a track of the communication, problem-solving, and technological skills after a certain time period.

*Ed; Food for thought!*

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## **Global EV market share realise 54% increase in 2017**

The latest International Energy Agency' s Global Electric Vehicles Outlook report indicates that the number of electric and plug-in hybrid cars on the world' s roads exceeded three million in 2017, a 54% increase compared with 2016.

*Ed; Eskom beware of overloads!*

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## ***Services Offered By Members.***

*Please visit our Website*

<http://engineersdirectory.co.za/>

*For all details.*

***Wherever possible support your fellow members!***

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***Apart from the sanitation, medicine, education, irrigation, roads, trains, cars, airplanes, cell phones, TV and Radio and the fresh water system, ... what have engineering practitioners ever done for us?"***

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