

Chamber of Eng Tech News. April 2022

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No 1. Notice.

KZN Floods. Donations.

Post Office allows donations for flood victims in KwaZulu-Natal at all Post Office branches.

Gift of the Givers

Account details:

Gift of the Givers

Bank: Standard Bank

Account number: 052137228

Reference: KZN Floods

Send the deposit slip to donations@giftofthegivers.org for a formal acknowledgement and request a section 18A tax-deductible certificate.

Salvation Army

Account details:

Bank: FNB

Branch: Braamfontein

Branch code: 251905

Account name: Salvation Army Red Shield Appeal

Account number: 50540087604

Reference: Your name and KZN floods.

Church Alliance for Social Transformation Trust (CAST)

CAST is an NGO that has been around for 13 years. Through partner churches, CAST is raising funds to feed the communities they operate in and to also provide other essentials such as blankets, clothing and hygiene products for adults and children.

Account details: CAST Trust

Bank: FNB

Account number: 62762010248

Branch code: 250655

Reference: Relief and your name.

If any of the links that appear in the newsletter kindly cut and paste into your Internet Browser. Also note that links that are not managed by COET may be removed by the provider after some time. We can thus not guarantee that they all work.

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No. 2. Membership Fees Reduced!! (our gift to you)!

COET annual membership fees for 2022 have been reduced from R500 to R475.

This 5% reduction is done to assist members and new members in these difficult times. As far as we know COET is the only Engineering Council of South Africa (ECSA) recognised Voluntary Association that has decreased fees.

ECSA registered COET members get an ECSA discounted year fee.

The discount is more than the COET fee, so a COET member then gets both ECSA and COET membership for less than the price of the normal ECSA fee!! And some change!! See below!!
So it pays to belong to COET!!

Application forms can be requested from COET at E Mail engineer@netactive.co.za.

Fees for 2022 were due in January 2022. To those who have not yet paid please do so!!

Note T 's & C's apply.

No3. ECSA Invoices for Annual Fees: Important Notice For Members

ECSA annual fees for 1 April 2022 to 31 March 2023 as per ECSA website are as follows:

ECSA Annual fees 1 April 2022 to 31 March 2023 (VAT incl)
Professionals
Full fee R4675.00
VA discount R710
VA Exempted fee R3965
Candidates
Full fee R1890.00
VA discount R250
VA Exempted fee R1640

This table explained:

Professionally registered Members:

No exemption fee R4675. Partial Exemption (this means allowing COET or other VA membership discount) R3965
Discount for being an IPET Member thus R 750.

Members registered as Candidates:

No exemption fee R 1890. Partial exemption (this means allowing COET or other VA membership discount)
R1640
Discount for being an COET Member thus R 250.

ECSA never shows the full fee and the discount with the reduced total on any of their invoices. They show only the bottom-line figure, so recipients are never sure if discount has been allowed or not. Therefore members must check any invoice they receive from ECSA to ensure that the discounted figure is there!

A copy of your membership letter or a CPD certificate from COET can be used to prove COET membership. CPD certificates for the past year were sent to members (but are not actually required by Candidates). CPD certificates for the current year will only be sent out after April.

Kindly note that members have to take up fee issues with ECSA direct as we are not allowed to do this on their behalf. (POPI act etc).

Contact ECSA direct at engineer@ecsa.co.za

el:	(0861) 225 555
Fax (General):	(011) 622 9295
Fax (Accounts & Call Centre):	(011) 616 1855
Fax (Admin):	(011) 607 9556
Fax (Legal):	(011) 607 9547
E-Mail:	engineer@ecsa.co.za

No 4. News from ECSA.

18 Feb 2022.

CEO dismissed following a disciplinary enquiry.

The Engineering Council of South Africa's (ECSA) Sixth Term Council at a special meeting held on Thursday, 17 February 2022 unanimously adopted the dismissal of suspended Chief Executive Officer (CEO), Mr Siphon Madonsela. The termination of employment of Mr Madonsela follows his suspension on 11 June 2021 due to alleged acts of misconduct, which resulted in an investigation being conducted.

This was followed by a disciplinary process which was presided over by an independent Chairperson, Advocate Nazeer Cassim SC. In addition to his recommendation for the dismissal of Mr Madonsela, Advocate Cassim further recommended that the Council should forward his findings to the relevant authorities to avoid Mr Madonsela occupying a position as a director or senior employee in any similar entity or State Owned Enterprise (SOE) doing business with government including ECSA taking legal steps to recover the losses it has suffered at the hands of Mr Madonsela.

To ensure business continuity that is underpinned by continuous performance of the organisation, Mr Boitumelo (Cox) Mokgoro will continue in his role as Acting CEO, while the Council embarks on a recruitment process for a new CEO.

The Council and management team of ECSA remain committed to upholding its values of; professionalism, accountability to the public and profession, collaborative through working as a team with industry stakeholders, transparent through honest and open communications as well as innovative by making use of creative energies to achieve the mandate of the Council.

22 March 2022.

Video on the Workplace Engineering Training Academies Programme.

The Engineering Council of South Africa has developed a step by step tutorial video on the Workplace Engineering Training Academies Programme.

The programme seeks to formalise and structure the training of registered candidate engineers, technologists and technicians as well as shorten the time for professional registration to be within 3 – 4 years. This is in the effort to address the training gap for candidates in the engineering profession and reduce the number of engineers being lost in the engineering skills pipeline from graduation stage to full professional registration stage.

To access the video, please click here: <https://youtu.be/krmzOgt5vks>.

30 March 2022

ECSA RE: APPOINTMENT OF MR EDMUND NXUMALO AS ECSA ACTING CEO.

We are pleased to inform you that Mr Edmund Nxumalo has been appointed as Acting Chief Executive Officer, effective 01 April 2022, until further notice.

ECSA has implemented a rotational approach that will allow executives to obtain experience in various areas of the organisation while also learning and expanding their skill sets. This will also provide the required continuity, capacity growth, and enforcement of the growing needs of our work environment, including the facilitation of an organisational culture is consistent with ECSA's values.

You should also be aware that the organisation has begun the recruitment process for a permanent Chief Executive Officer, and that the position will be advertised soon.

ECSA would like to take this opportunity to thank Mr. Boitumelo Cox Mokgoro, who has been holding the fort as acting CEO over the past few months. Mr. Mokgoro will resume his role as Chief Financial Officer/Executive Corporate Support Services.

31 March 2022.

ECSA. Mr Boitumelo Cox Mokgoro addresses stakeholders on key strategic matters

Dear Valued Stakeholder,

In the effort to ensure you are kept abreast of key developments and priorities within the engineering sector in general and within the Engineering Council of South Africa (ECSA) in particular, Mr Boitumelo Cox Mokgoro recorded his second address to update members of the engineering fraternity on, among others, the following key strategic matters:

- Professional Guideline Fees;
- Identification of Engineering Work;
- Annual Fees;
- International Relations and;
- Strengthened Stakeholder Relations

To listen to the address please click here: <https://youtu.be/staSzRyokHQ>

All above Issued by the Engineering Council of South Africa.

No 5. CPD.

As you know COET is an ECSA CPD Licensed Body Number: LB_034/2023. COET is entitled to use the title "ECSA CPD Licensed Body.

ECSA has introduced a newest of requirements for CPD course PROVIDERS. These are onerous and at a recent on line meeting with ECSA many Voluntary Associations raised objections to the system.

If the system is not changed it will result in many CPD providers not bothering to apply to do CPD courses. The net result will be that CPD courses will become scarce and expensive which the VA's believe is the last thing ECSA should desire.

ECSA has undertaken to look into the matter.

Nearly Free CPD Course. (R25).

Course is on line.

CPD Credit 0.15

Duration 1hour 15 minutes

Course is on line. It is available 24/7!!

To obtain the CPD, some short questions relating to the course content have to be answered.

Subject: Electricity Generation, Storage & Motors, Updates.

Apply to engineer@netactive.co.za for details and access.

"The saddest aspect of life right now is that science gathers knowledge faster than society gathers wisdom."

Isaac Asimov

No 6. Continuing Professional Development (CPD) Certificates.

CPD Certificates for **2021** were sent out by E mail some months ago. Some were returned due to various reasons like no such E mail, Box full etc. etc. Your CPD certificate proves your valid membership for the year ending 2021. This entitles you to claim one credit on the Engineering Council of South Africa (ECSA) CPD system (Category 3).

Please note that CPD only applies to individual ECSA registered members and not Company, Sponsor or unregistered members. Also note that you are still required to gain credits in Categories 1 and 2.

If you have not received a CPD Certificate, it is probably due to one or more of the following reasons: -

- You are not listed as being registered with ECSA or you have not advised us of your ECSA registration and ECSA number.
- Your membership account is in arrears. Your address has changed.
- Other.

Please contact us by E Mail if you have any enquiries in this regard.

E Mail. engineer@netactive.co.za.

Kindly note that CPD certificates for 2022 will only be issued to paid up members and that these will only be issued after the end of April unless the member has specifically requested so.

No 7. WhatsApp Group.

Join COET's WhatsApp group (LMI Chat & Discussions). While it is mainly aimed at LMI's, all are welcome. Kindly note that it is not restricted to COET members at this time.

Moderator is Gerrit Smit etc. Follow the instructions on the attachment.

<https://chat.whatsapp.com/IOpzC7V7t6LCNEKyqSww8W>

No 8. Services Offered By Members.

(Adverts for members)

Please visit our other Website

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

For all details.

Wherever possible support your fellow members!

If links don't work please type in the text into your internet browser.

No 9. APPOINTMENTS at the SABS.

1. Mr C Boonzaier (Past Chairperson of COET) has been appointed as Chairperson of TC 1035. Vehicle Lifts.
2. Mr C Boonzaier has accepted position of P Member of TC 1020 Lifting Equipment-Lifting Tackle and Chain Hoists
3. Mr D Havenga (Chairperson of COET) has accepted position of P Member of TC 96 Mobile Cranes.

4. Mrs R Ledwaba (Vice Chairperson of COET) has accepted position of P Member of TC 1020 Lifting Equipment-Lifting Tackle and Chain Hoists
5. Mrs R Ledwaba has accepted position of P member of TC 1035 Vehicle Lifts.
6. Mr D Havenga has been nominated as p member to replace Mr C Boonzaier TC 1035 Vehicle Lifts.

No 10. Medical Operation.

The members and committee wish the Chairperson, Mr D Havenga, a speedy recovery after undergoing back surgery and then back to work.

No 11. Snippets.

*The following mini articles, notices and news follow the trend of interesting scientific, engineering developments and general interest items that we have come across. Read and enjoy!
Please feel free to contribute by sending your items to share with our members!
Ed*



The Independent Communications Authority of SA (Icasa) has announced it wants to amend Regulation 8B of the End-User and Subscriber Service Charter Amendment Regulations of 2018 to read: **“Unused data and data services obtained through either prepaid or post-paid channels *shall not expire before expiry of a period of 6 months, except for promotional packages.*”**

Six months. Read it and cheer.

Heat Engine with no moving parts!

Engineers at MIT and the National Renewable Energy Laboratory (NREL) have designed a heat engine with no moving parts. Their new demonstrations show that it converts heat to electricity with over 40 percent efficiency --

a performance better than that of traditional steam turbines.

The heat engine is a thermophotovoltaic (TPV) cell, similar to a solar panel's photovoltaic cells, that passively captures high-energy photons from a white-hot heat source and converts them into electricity. The team's design can generate electricity from a heat source of between 1,900 to 2,400 degrees Celsius, or up to about 4,300 degrees Fahrenheit.

Caution. (Lab results so it's a long way from commercial applications yet).

Journal Reference:

Alina LaPotin, Kevin L. Schulte, Myles A. Steiner, Kyle Buznitsky, Colin C. Kelsall, Daniel J. Friedman, Eric J. Tervo, Ryan M. France, Michelle R. Young, Andrew Rohskopf, Shomik Verma, Evelyn N. Wang, Asegun Henry. **Thermophotovoltaic efficiency of 40%**. *Nature*, 2022; 604 (7905): 287 DOI: 10.1038/s41586-022-04473-y

1.5 hours.

How much sunlight hitting the Earth's surface is needed to satisfy the world's energy consumption for an entire year!

Hearing Loss.

MIT boffins have developed a possible therapy that can reverse hearing loss. A new drug aims to stimulate the progenitor cells in the inner ear, making new hair cells as a result. In doing so, hearing will improve. (MIT professor Robert Langer).

Don't Look Up!?

An enormous comet -- approximately 80 miles across, more than twice the width of Rhode Island -- is heading our way at 22,000 miles per hour from the edge of the solar system. This huge one, called Comet C/2014 UN271 was discovered by astronomers Pedro Bernardinelli and Gary Bernstein, University of California. Fortunately, it will never get closer than 1 billion miles from the sun, which is slightly farther from Earth than Saturn; that will be in 2031.

Ed. So no danger to us!

How Jet Engines Work.

See <https://youtu.be/L24Wf0VITE0>

No 12.

Unsubscribe Option.

As a member of COET you should want to receive the E News. If however u do not want to receive the COET E News as an E Mail then you have the option to unsubscribe.

To unsubscribe send an email with "COET unsubscribe newsletter" in the text to engineer@netactive.co.za

No 13.

O. & O. E.

The Chamber of Engineering Technology (COET), its agents, volunteers, workers and members cannot be held responsible for errors in, amendments to, or any damages whatsoever arising from information published in good faith. Opinions expressed by contributors are not necessarily shared by COET.

No. 14. Annual Information Update.

We no longer post items. Post only used in special cases. Please get an E Mail address so we can communicate with you.

Your E mail, if you have one, does not always work! Please complete & return this form for updates.

Note that E mail addresses that end in Spoornet, Transnet, Eskom and Gov (Government) are usually blocked at your end.

E Mails to some Consulting firms are also blocked.

Aurecon & ones ending in
Telkomsa.net included!

You have to fix this at the/your receiving end as we cannot solve this for you.

We recommend members use private individual E Mail addresses instead of Company addresses.

Provide us with your E mail address so we can send our regular News etc to you. Thank you for co-operation.

Thanks from E Mail. engineer@netactive.co.za

SEE FORM BELOW.

Form for Individual Members

Last name				Initials	
First Names					
Your Preferred Postal Address				Postal code	
Alternate or Work Postal address				Postal code	
Name of Employer / Company					
Your or your Companies main field of engineering					
Work Tel (include area codes for all numbers)				Work Fax	
Home Tel				E Mail	
Cell No				Alternate E Mail	
Membership Number					
Engineering Council of SA Registration Number (If applicable)					
I D Number		Birthday, Year, Month, Day			
Race (For statistical purposes only)		Asian (Indian etc) = A Black = B		Coloured = C White = W	

Together We can Achieve more in engineering
 CoetUpdate2022
 Visit our Web site <http://engineeringchamber.mirrorz.com>