

OUR SPONSORS:

A CESA YOUNG PROFESSIONAL'S PUBLICATION

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MESSAGE FROM THE CHAIR:

Hello 2015! As we close the book on 2014, we have much to be proud of and a myriad of lessons to carry forward to what is set to be a bumper 2015.

Last year marked the momentous 10th anniversary of CESA YPF celebrating young professional's (YP's) in consulting engineering and the positive contributions that they have made over the years.

We kick off 2015 by reiterating the role of being the voice of YP's by taking up industry issues that affect the environment within which we operate and to mobilise positive change for now and the future. As engineering professionals doing business, we have a responsibility to be the champions of innovation despite procurement limitations and economic cycles.

We continue to encourage YP's to be active in this amazing profession! We have made great strides in reaching out to our members and to get feedback so that we can truly achieve our objectives. In doing so we ensure that we provide a platform for YP's to network, to grow personally and professionally.



Through our links with other statutory bodies and voluntary, associations, member associations within GAMA and FIDIC, CESA YPF offers its members the opportunity to connect with the best local and international technical specialists and business practices. Our commitment to the future of the engineering profession is deeply entrenched within our objectives. The annual Job Shadow Month, schools and tertiary institution visits and co-hosting career expo's are a few of the ways that we give back. We inculcate a love for mathematics and physical science in learners at school and encourage high school learners to take up a career in engineering.

Connect with us via email, Facebook, Twitter or LinkedIn. Have your say in the Annual CESA YPF National Survey or attend the Annual CESA YPF Sustainability Imbizo. In whichever way you choose to be active, know that it shapes the future of our profession, our country, our continent and the world. Have a prosperous and successful 2015!

BRANCHES:

Eastern Cape Boarder Kei | Free State | Gauteng North | Gauteng South | Kwazulu Natal | Limpopo | Mpumalanga | Northern Cape | North West | Port Elizabeth | Western Cape

CONTACT US:

Join the YPF:
<http://www.cesa.co.za/node/105>
Contact the Chair:
jeshika@iliso.com
Facebook:
CESA-YPF
Twitter:
@The_CESA

GOLD SPONSORS:



SILVER SPONSORS:

SNA | UWP | CARIFRO | BMK | MNA | HHO Africa

Committees

YPF Executive Committee

Name	Contact Details	Position
Mr LL (Likhaya) Nkonki	Tel:+27 043 743 8266 Fax:+27 043 743 0599 Email: likhaya@carifro.com	Immediate Past Chair
Ms M (Makotsene) Makgalemele	Tel:+27 011 257 8460 Fax:+27 011 257 8461 Email: makotsene@hho.co.za	Member
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Mr S (Sisanda) Dyubhele	Tel:0415812421 Email: sisanda@easpe.co.za	Member
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Ms KA (Keamogetswe) Mmekwa	Tel: +27 011 678 8628 Email: kmmekwa@phb.co.za	National Vice-Chairperson (Newsletter Editor)
Mr G (Godfrey) Ramalisa	Tel:+27 011 463 2022 Fax:+27 011 463 2022 Email: godfrey@cesa.co.za	Official
Mrs MP (Phylcia Motlatsop) Moseamo	Tel:0115194615 Fax:0866273866 Email: pmoseamo@gibb.co.za	Secretary

NEW LOOK YPF Website
COMING SOON!!!

<http://www.cesa.co.za/node/215>

Committees

Branch Chairpersons



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Committees

Branch Chairperson



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Mr M (Mahlomola) Letele
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Burning Issue

An opinion piece for you by you.

NOTE: Please note that the articles under this segment do not necessarily represent the views of CESA YPF

To contribute articles for this section please contact the editor on: kmmekwa@phb.co.za



By: Lelethu Thiso
(Iliso Consulting)

Women in Engineering

LETLETHU THISO FROM ILISO CONSULTING SPEAKS ABOUT THE CHALLENGES WOMEN FACE IN THE ENGINEERING INDUSTRY

There are many challenges that women face in the Consulting Engineering industry. One of the challenges is the under representation of women in engineering in the country as a whole. There is clearly room for improvement, not only in recruiting women into engineering, but also in retaining and promoting those women who do enter the profession. There is a real need for diversity, to endorse equality and to make sure that the working environment is a friendly and comfortable for both females and males.

Women are at times not given the same opportunities as their male counterparts, as they perhaps fear that they are weaker or incapable of executing the same tasks. It is becoming more of a problem as this sometimes leads to a discouraging and unideal working environment. It is disheartening that women are disregarded on the basis of their gender. You find instances where a woman raises a point in a meeting and their issue is not noted or a meeting carries on without recognition of the point raised. This has a negative effect on the person who raised the point. Women engineers face major barriers in comparison to other professional women in terms of an often unsupportive workplace culture and this originates from the discrimination, bullying and harassment which are the common issues. These barriers result in only a smaller portion holding significant positions in the engineering ranks. This is not to say that we encourage a situation where women are promoted based on their gender but rather, that those who do produce good quality of work should be acknowledged and rewarded fairly.

The aim should be to 'normalise' engineering as a career choice for women, so that people inside and outside of engineering no longer presume that 'the engineer' will be a man. For this to happen, we need to challenge stereotypes about engineering as well as stereotypes about gender. We need to understand that vehicles such CESA and the YPF exist as platforms which women can take to air their views, to share their challenges and to discuss how they overcome similar obstacles. More effort should be made by women in schools and tertiary institutions to encourage girls to take up engineering as a career. Above all else, it is for women to realise their worth in the workplace and not settle for less.

CESA Job Shadow Initiative 2014

"**Job shadowing** is a work experience opportunity for students to learn about a job by walking through the work day as a shadow to a competent worker. The job shadowing work experience is a temporary, unpaid exposure to the workplace in an occupational area of interest to the student. Students witness first hand the work environment, employability and occupational skills in practice, the value of professional training and potential career options. Job shadowing is designed to increase career awareness, help model student behaviour through examples and reinforce in the student the link between classroom learning and work requirements. Almost any workplace is a potential job shadowing site."



Young Professionals at countrywide volunteered their time to share their personal experiences concerning the work they do and the challenges they face on a daily basis and the skills required to ensure they perform and achieve the desired outcome on their projects. The students were taken through projects, put through challenges, quizzes and even took part in experiments. Most importantly the students were taken through the requirements needed in order to study towards pursuing a career in the Engineering sector. The students got to experience first hand how the skills and lessons taught in the classroom can be applied to everyday scenarios in the real world.

Initiatives such as the CESA Job Shadow Day are worthwhile exploring as they expose students to the world of Engineering which might otherwise not have been an option to them. It also exposes students to the type of environment one will be working under as well as to understand the logic and innovative ideas that go behind "making life better for our fellow mankind". So this is a call to YP's out there to take charge and participate in such events as you could be the one to inspire the next great future Engineer.

By: Eliane Balegamire (Hatch Goba & YPF) *Republication from Gauteng South Issue 5, 2014 newsletter



Want to know more
about this
initiative?
Contact Us

Sustainability Imbizo

The second annual Sustainability Imbizo was held in August last year at the Premier hotel in Kempton Park. The purpose of the Imbizo is to facilitate a discussion amongst Young Professionals around the country on issues affecting them in the industry with some guidance from the older professionals.

The 1st day of the Imbizo consisted of the CESA YPF elective general meeting where Jeshika Rachmund-Moonsamy officially took over the reigns as YPF National Chair from Likhaya Nkonki and Keamogetswe Mmekwa was elected as YPF vice National Chair. Pursuant to this session was a talk on how to bring sustainability into the design process. This was followed by a conversation with Past President of Cricket SA and author of 'A hill of fools', Dr Mtutuzeli Nyoka. The evening culminated in a cocktail party with a traditional flare. It was also a celebration of CESA YPF's existence with a slide show honouring past winners of 'The Young Engineer of the Year' award. This included a tribute by Sizwe Duma for Khelane Ndwande who sadly passed away in 2013 after a car accident.

The second day of the Imbizo saw speakers such as Nyami Mandini (CEO of RHDHV) and Enrico Vink MD of FIDIC take the podium to share their thoughts on innovation and advocacy. The second session was dedicated to the National survey results feedback, where the discussion resulted in the YP's identifying more problems than solutions.

The results of the much anticipated CESA YPF National Survey was hotly discussed. (Full survey results available at www.cesa.co.za/node). From the overarching trends identified from the survey, it was evident that there are a myriad of issues that CESA YPF need to tackle. The Imbizo concluded on a set of focus areas rather than resolutions. These focus areas will be unpacked through the activities of CESA YPF throughout 2015 and beyond. (Focus areas available at www.cesa.co.za/node). The Imbizo was once again a great success. An ever-growing list of burning issues affecting YP's is testament to the dynamic nature of our industry and profession as well as our dedication to making South Africa, Africa and the world a better engineered society!



CESA Awards

The CESA awards are the highest level of consulting engineering recognition in the country. This is because no honour is greater than that bestowed upon us than by our own peers. This is also why the CESA AON Engineering Excellence Awards continues to be the highlight of the Consulting Engineers of South Africa's events calendar.

This year was no different. Vodaworld in Midrand again played host venue and Bongani Bingwa from Carte Blanche was again Master of Ceremonies. It was truly an elegant affair. This year also saw the Honourable Minister of Water Affairs and Sanitation Ms. Nomvula Mokonyane grace us with her presence for long enough to deliver her message calling on engineers to empower more women and for government to perform with integrity and transform the engineering sector. We were then addressed by the CESA President Abe Thela as well as CESA (former) CEO Lefadi Makibinyane.

Every year the categories become increasingly competitive, but as usual the most popular categories are the 'Mentoring Company of the year award', the 'Young Engineer of the year' award and the highly coveted Job Shadow Initiative and Poster Competition. This category increases in popularity as more and more Young Professionals see how important it is for young people to have positive role models and mentors around them. Well done to Iliso Consulting for walking away with this award and to all the winners and nominees.

By: Keamogetswe Mmekwa (PHB Engineers)

CATEGORY WINNERS YOUNG PROFESSIONALS:

Mentor of the year award:
Vernon Joubert

Mentoring Company of the year Award:
Nyeleti Consulting

Job Shadow and poster initiative winner:
Iliso Consulting

Engineer of the year award :
Makotsene Makgalemele

Branch of the year:
Kwazulu Natal



FIDIC Conference RIO



International Federation of
Consulting Engineers (FIDIC)



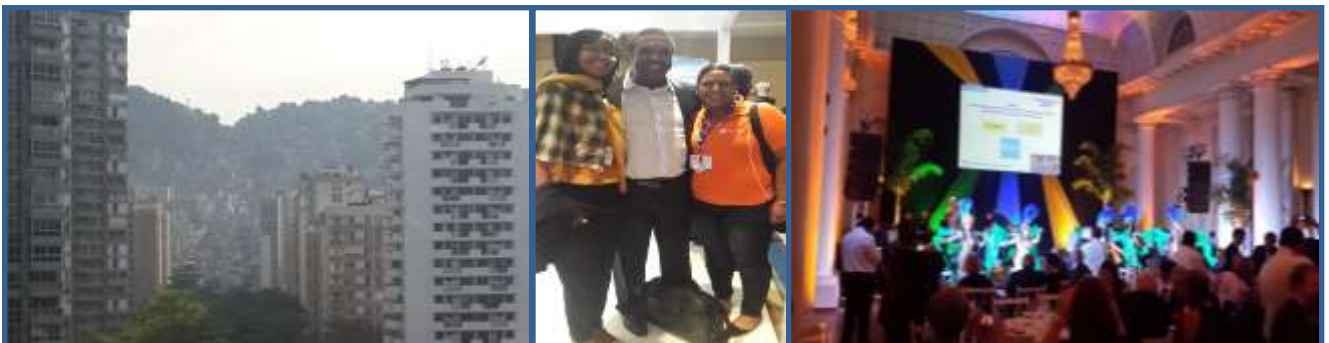
Rio De Janeiro, Brazil played host to the 2014 FIDIC International Infrastructure Conference held from 28 September to 1 October 2014 at the Royal Tulip Hotel and Conference Centre in Sao Conrado. This annual international conference is the largest networking opportunity in the consulting engineering profession. This event brings together consulting engineers from member associations from across the globe to share ideas, business best practice and to explore business opportunities. In addition, the conference coincides with the conclusion of FIDIC's Young Management Training Programme.

This 4-day conference explored Innovative Infrastructure Solutions and the global challenges that the consulting engineering industry faces. Topics discussed included: tackling the global infrastructure challenges; capacity challenges and the changing face of innovation; emerging economies and key infrastructure needs and development; technology trends to transform engineering consultancies; making the best of business opportunities; smart and innovative solutions; integrity, capacity building and sustainability. Presentations from the conference can be accessed at: www.fidic2014.org/fidic2014/programme/programme.html

CESA was well-represented with a healthy South African contingent with National Chairperson, Jeshika Rachmund-Moonsamy and CESA Young Engineer of the Year 2014 (proudly sponsored by ACSA (Airports Company South Africa), Makotsene Makgalemele representing CESA YPF. Jeshika also represented the GAMA YPF in recruiting new members, as well as encouraging and assisting other GAMA Member Associations with setting up their own YPF.

Much like South Africa, Brazil faces the critical issues of urbanisation, transportation, sanitation and waste management as the site of the 2014 FIFA World Cup and will again see an influx of international visitors for the 2016 Summer Olympics.

On a social note, Rio De Janeiro did not disappoint. The seriousness of the conference discussions was offset by the flamboyant and thriving night life and hospitality of the Brazilian people. The conference social activities had feet tapping at the Rio Scenarium, Club Costa Bravo with a panoramic view of the Rio shoreline and the Palace Hotel at Copacabana. With a highly efficient public transport system and visible policing, Rio entices you to see and do more. A climate and topography that is reminiscent of the new and improved Durban Promenade, the South Africans felt right at home. No trip to Rio De Janeiro is complete without a visit to the Sugar Loaf Mountains and for a truly spiritually moving experience, a summit to be amazed at the foot of Christ the Redeemer. FIDIC 2015 is set to take place in Dubai in September 2015. – Jeshika Rachmund-Moonsamy



CESA Relay KZN

The 2014 KZN CESA Relay was an amazing event which included approximately 800 participants in the various relay events. Although the competition was intense, the feature of the day was the fun and excitement experienced by all those who attended the relay. The relay was held at the beautiful grounds of Shongweni Jockey Club on a near perfect early winter day in May. The relay events included the run, cycle and walk relays as well as the infamous tug-o-war, volleyball, and obstacle course events. In 2014 we also included sack races, 3 legged races, and bucket balance races which provided lots of entertainment for both the competitors and the spectators. Check out the slideshow on YouTube, <http://youtu.be/gAZ8WtupsMo>, which captured spirit of this fantastic day.

By: Ashley Sewmungal (Hatch Goba)



CESA Relay Gauteng

There was a bit of anxiety with Royal Haskoning DHV departing the role as chief sponsors of the CESA Relay, but the fears were quickly allayed because of CESA's spectacular organisational skills. CESA was a great host and once again we had great fun.

We are in competition with each other every day for tenders and this day offers us an opportunity to break away from it all, engage in physical exercise and have fun with our competitors. It gives our families a chance to see that we are not all about work as many would like to think. The morning was a bit icy and it made everyone seem a bit uncompetitive but when the race started everything changed. The second leggers started warming up and everyone wanted to come out on top. The MC for the day was entertaining and kept everyone's spirit hyped up by always announcing which team is leading and making a few jokes in between.

It is great to see that this event is growing yearly and that money is being raised for charity.

By Steward Twala (Glad Africa)

FOCUSING ON THE FREE STATE:


BRANCH CHAIR:

Sechaba Kou

IMMEDIATE PAST CHAIR:

Sibongile Vilakati

DEPUTY CHAIR: Vacant...temporarily
BRANCH ESTABLISHED:?

23 April 2009

BRANCH EMAIL ADDRESS:?

cesafreestateypf@gmail.com

BRANCH TWITTER HANDLE:?

@YPPFFreeState

BRANCH FACEBOOK PAGE:

CESA-YPF

**INTERVIEW WITH FREE STATE CESA YPF
BRANCH CHAIR:**

WHAT COMPANY DO YOU WORK FOR?

UWP Consulting.

**WHAT WOULD YOU LIKE TO ACCOMPLISH
DURING YOUR TENURE AS CHAIR?**

I would like to re-establish the otherwise disbanded FS YPF Branch into a vibrant branch where focused, charismatic like-minded professionals can engage on issues that are important to their professional development and enhancement of their work environment.

BEST ACTIVITY HOSTED TO DATE:

The SANRAL N8 Interchange Site visit

PAST ACTIVITIES (2014):

Job shadow Day, CESA Presidential Visit, SANRAL N8 Botshabelo Interchange Site visit.

FUTURE ACTIVITIES (2015):

Council Election + Kickoff function, Business leadership career talk (UFS Business School), Job Shadow Day, CESA Presidential Visit, Site Visit - Letsatsi Solar Farm Project, Inter-company Beach Volley Challenge



Business of Consulting Engineering (BCE) Certificate Programme

Equipping future leaders in the business of Consulting Engineering.



Benefits:

- Accelerate the ability of young professionals to add value to your company
- Industry specific and developed by senior expert Consulting Engineers
- Developing business proficiency and competencies
- Becoming a holistic professional, in the field of consulting engineering

This development programme consists of three trimesters / block weeks (Monday to Friday), taking place at the CESA Training Centre in Bryanston. In the time between each block week (approximately 12 weeks) students complete 2 assignments each week with a final assessment / exam at the end of the year.

A dedicated Facilitator supports each student throughout the programme.

Students have access to CESAnet - an interactive Student and Facilitator online facility where all reading, reference and resource documents are accessible, assignments are uploaded and results and feedback are provided to the student. CESAnet also facilitates communication with Facilitator as well as classmates.

Entrance Requirements:

- BSc/BTech degree with a minimum of 2 years' experience in a CESA Member firm or
- Technical Diploma with a minimum of 5 years' experience in a CESA Member firm or
- Non-engineering tertiary education with a minimum 3 years' experience in a CESA Member firm Supported by a 'letter of motivation' from applicant's employer

* All applications will be evaluated and approved by CESA Education & Training Committee

*** 100% of all students that have completed the Business of Consulting Engineering Development Programme, stated that they would 'Definitely' recommend this programme ***

ONLY 20 PLACES AVAILABLE

For more information and to register go to the School of Consulting Engineering website:
(011) 443 2022
www.cesa.co.za/sce



Branch	Activities Future
Eastern Cape Boarder Kei	<ol style="list-style-type: none"> 1. Welcome and Intro Social 2. Beaconhurst-Rotary Career Day 3. Job Shadow Day 4. Talks on Financial planning and soft skills for Engineers 5. Company showcases 6. Introduction of Mthatha Branch
Free State	<ol style="list-style-type: none"> 1. Council Election + Kickoff function 2. Business leadership career talk (UFS Business School) 3. Job Shadow Day 4. CESA Presidential Visit 5. Site Visit - Letsatsi Solar Farm Project 6. Inter-company Beach Volley Challenge
Gauteng North	<ol style="list-style-type: none"> 1. Engineering Innovations 2. Performance of Denel as a State owned enterprise 3. Financial seminar on finances with a focus on Filling Tax Returns 4. RA's and Investments, Presentation to high school learners about what engineering is and careers in engineering 5. Starting and running an engineering business versus being employed 6. Engineering work opportunities in South Africa versus work opportunities outside the country
Western Cape	<ol style="list-style-type: none"> 1. Beach Volley Ball 2. Touch Rugby Tournament 3. Revised ECSA Registration Workshop 4. Young Professionals Leadership Forum 5. Investment / Tax Management Talk 6. Quiz Night 7. Action Soccer Tournament 8. Year End Function
Gauteng South	<ol style="list-style-type: none"> 1. Sanlam Meet and Greet + beginning of financial advice series 2. School Visit/Talk 3. Great Debate host TBA 4. Site Visit BRT Sandton 5. The Brain of Engineering 6. Indoor Sports event 7. Sanlam series part 2 8. Tax Season: filing series 9. Gauteng Brain of Brains 10. Road Show with KP tba 11. Year End Function

Branch	Activities Future
Kwazulu Natal	<ol style="list-style-type: none"> 1. ECSA Registration Seminar – February 2015 2. YPF Action Soccer Tournament - March/April 3. KZN CESA Relay – May 4. Social Responsibility Mandela Day Event - July 5. Site Visit – August 6. Technical Seminar – September 7. KZN YPF Back to School Workshop – October 8. Year End Meet and Greet - November 2015
Mpumalanga	<ol style="list-style-type: none"> 1. A meet and greet 2. Take a child to work 3. Visiting high schools to give students more information about what we do as Civil Engineers, and the importance of the YPF.
Port Elizabeth	<ol style="list-style-type: none"> 1. Ten pin bowling competition 2. Combined SAICE other association event 3. School visits 4. Didisa Peaking Power Plant Site Visit 5. NMMU Student Presentation 6. Leadership and Motivation Event 7. Volkswagen Factory Tour, AGM
Limpopo	No information available at time of going to publishing

YPF PAST EVENTS:

The YPF Branches have hosted an array of events over the years. Here is a list of some of things to expect at your nearest branch:

NETWORKING EVENTS:

- Meet and Greets
- Showcases

EDUCATIONAL:

- Road to Registration
- Quiz night
- High School and Tertiary Institution visits

OUTDOOR ACTIVITIES:

- Site visits
- Beach Volleyball
- Sports events

CSI

- Stationery drives, book drives, clothing drives

ONLY A FEW LISTED ABOVE, LOOK OUT FOR ACTIVITIES IN YOUR BRANCH!!!





CESA YPF is looking for a new name for the YPF National newsletter to go with the new look.

Send us your name suggestion before the 27th of February along with your name, surname and contact details and stand a chance to win a ticket to attend the Sustainability Imbizo taking place 11-12 August 2015.

Send your newsletter name suggestion to: kmmekwa@phb.co.za or jeshika@iliso.com

Terms and Conditions Apply

WHO'S CHIRPING?

 World Economic Forum @Davos · 19m

The vital soft skill of successful leaders
wef.ch/1DTCz0F



 EWN Reporter @ewnreporter · 2h

#Eskom has an adequate reserve margin to keep the lights on today, despite a high risk of #Loadshedding expected for next few months GN

 World Economic Forum @Davos · 4h

Inequality and climate change: twin challenges of 2015 wef.ch/1DTg1gy



What are
 YOU
 Tweeting?