



National Newsletter

2nd Edition, August 2011



Together, Engineers make it Happen!

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In this Edition

- 1 Acknowledgements
From the Chair's Desk
What's Up?
- 2 YPF National Picture Competition

YPF Branch Activities

- 3 Gauteng North
Gauteng South
- 4 KwaZulu Natal
Port Elizabeth
- 5 Young Professionals in Action
Fun events to attend in September

Acknowledgements

YPF would like to take this opportunity to thank the following Sponsors:

UWP Consulting for sponsoring a four ball at the Annual CESA Golf Day on the 12th of September. We really appreciate your support and look forward to having a great day with you wearing your UWP branded t-shirts and Caps.

Leads 2 Business for their generous sponsorship of R30 000. We thank Lee Finch (PRO), Victor Terblanche (CEO), Urma Blackburn (Director), Helga Kruger (Director).

Victaulic South Africa for arranging the putting competition at the Leads 2 Business Golf Day and donating the proceeds to the YPF. We thank Barry van Jaarsveld (Regional Manager SA) and Bart Malan (Sales Engineer).

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From the Chair's Desk

All Our regions are well into the year and are flying the Consulting Engineering Flag high.

With all our activities the CESA YPF has become aware of a number of University of Technology Engineering students who have not been able to find a practical placement with a firm in order to finish their National Diploma. As most of us are aware, without this practical experience these students (who have already completed two of their three years of the Diploma) will never be able to graduate.

In the interest of assisting the Engineering Industry to be sustainable and continue to introduce graduate engineering technicians and technologists into our industry, the YPF is trying to assist these students to complete their practical experience portion of their Diploma's.

If you or your firm can assist us in our endeavour to help these students graduate, please contact Kieren Brown at kierenb@pdna.co.za.

To receive all our future mails and invitations,
Join CESA YPF: <http://www.cesa.co.za/node/105>

Kind regards
Dr Michele Kruger (CSV Water)
YPF National Chair

What's Up?

Gauteng North:

07 September: Freedom Park Tour & Picnic
01 October: 1st Annual Adventure Day
09 November: Legal Matters in Engineering Seminar
07 December: Year End Function

Gauteng South:

September: GRP Workshop and Factory Visit hosted by Fiberpipe
October: UWP Showcase
October / November: Engenius Presentation hosted by ECSA
December: Farewell Social

KwaZulu Natal:

31 August 2011: Sustainable Business Management & Client Liaison - Guest Speaker Stewart Wilson (SANRAL)
20 September 2011: ECSA Registration Panel Discussion

All Regions

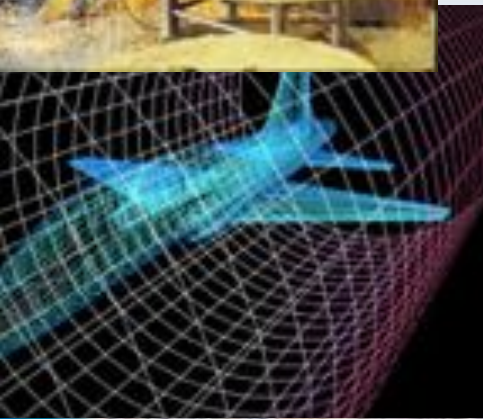
26 - 28 October: 75th IMESA Conference
13 - 15 November: CESA 2011 Conference & Exhibition (10% Discount for all YPs! Register today)

National Picture Competition



TAKE AN AWESOME PICTURE OF ANY
ENGINEERING PROJECT!

Add a short Description of why You Love the Picture
& e-mail them to Michele@csvwater.co.za together
with your Name & Contact Details



Prize: **Fully paid CESA Course At
The CESA School**



The top 10 photos will be published
in all The CESA YPF
Regional & National
Newsletters!



National Picture Competition Rules

This competition is open to all CESA Young Professionals. A Young Professional is any individual under the age of 35 employed by a CESA member firm. Pictures will be judged on creativity and innovation. The Prize does not cover transportation costs to and from the CESA School in Bryanston, JHB . All picture entries must be of high resolution. Photos using photo editor type or similar methods are allowed. Images made up of more than one Engineering Project are not allowed. The closing date of the competition is **31 October 2011**. All Pictures/images submitted for the National Picture Competition will be the property of CESA YPF and may be used in any promotional material as and when required. The judge's decision is final. Prizes are not transferable and may not be exchanged for cash. The prize is valid for 4 (four) months from the date when the prize is awarded.

"Great works are performed not by strength but by perseverance." SAMUEL JOHNSON

Gauteng North Chapter

CESA Presidential Visit 2011

Gauteng Province hosted The annual CESA Presidential Visit on 1 June 2011 at the Bytes Convention Centre in Midrand.

The event was well attended by approximately 130 guests whom where addressed by Keynote speakers Mr. Zulch Lotter (CESA President) on “Partnering for growth - working together towards a sustainable future” and Mr. Yokesh Singh, Discipline Engineering Manager from Eskom.

PROFESSIONAL REGISTRATION SEMINAR

On 06 July 2011 Arup Johannesburg hosted YPs for their Professional Registration Seminar.



An introductory presentation on the energy needs of SA was presented by Arup Director Mr. Poya Rasekhi(Left).

Keynote speaker Mr. du Toit Grobler educated over 50 YPs attending the event on the procedure, processes and

requirements of how to become a registered professional.

The Gauteng North Chapter would like to thank Arup Johannesburg for sponsoring and hosting this successful event.



To our Keynote Speaker, Poya and du Toit, thank you very much for availing your time to interact and share valuable information with the YPs.

Left: du Toit Grobler (ECSA / Sappi)

Thank you to the Arup events co-ordination team; Ms. Moliehi Mahabane, Ms. Charlotte Middleton and Mr. Jetame Poonan for a wonderful and warm evening.

Special thanks to Our YPs Dumisani Mzwanga (Arup) and Kgabiso Sephai (Arup) for facilitating the event and linking us with the Arup events co-ordination team. Your helping hands are truly appreciated.



Gauteng South Chapter

SSI KNOWLEDGE FAIR

Young SSI in collaboration with YPF Gauteng South held a Knowledge Fair on 31 March 2011 at SSI’s Head Office in Woodmead, Johannesburg.

The following flagship projects were presented to the attending YPs:

The Blackburn Pedestrian Bridge – Presented by Jonah Ptak (Transport Engineer)

The Blackburn Pedestrian Bridge is Kwa-Zulu Natal’s new landmark structure. With close to 3 km of walkway included, the 177.5 m long and 60 m tall cable stay bridge, the project is one of SANRAL’s community development



projects intended to provide more than just a safe passage to work opportunities but also upliftment of the community through development of human capital.

The presentation covered the technical challenges, their solutions and the unique approach to community involvement that culminated in successful, on budget completion of one of the longest cable stay pedestrian bridges in Africa.

Ingula Pumped Storage Scheme – Presented by Ramolin Naidoo (Water Engineer)

Bedford Dam is a 49m high concrete faced rockfill dam (CFRD) with an 810m crest length forming the upper reservoir of the Ingula Pumped Storage Scheme.



The dam is part of the 1332 MW Ingula Pumped Storage Scheme, to be commissioned in 2014, which will go a long way to reducing load shedding in South Africa whilst enhancing economic growth. State of the art Computation Fluid Dynamic techniques were used for modelling the dam outlet to ensure that a sensitive wetland downstream of the dam is protected.

Should you have queries relating to the showcased projects contact the respective presenters on +27 (0) 11 7986000.

KwaZulu Natal Chapter

University of Kwazulu-Natal Engineering Orientation

YPF KZN was invited to address the first year engineering students at the University of Kwazulu-Natal during the Orientation week. The focus of the address was on engineering as a career of choice and the opportunities that awaited graduates in their respective fields of engineering.

As expected the young students were enthusiastic and keen to embrace the many years of hard work that awaited them. YPF can look forward to many new members in the coming years.

CESA Presidential Visit 2011

The annual CESA Presidential Visit took place on 14 April 2011 at the International Convention Centre in Durban. The address by CESA President Zulch Lotter, and CESA CEO Graham Pierie were well received by the abundant number of young professionals who were in attendance. The YPF actively aims to attract young professionals to industry events and encourages them to attend with their mentors to facilitate networking and increase their involvement in the industry

YPF KZN Meet and Greet with CESA National

A Meet and Greet was arranged between CESA National and YPF KZN on the morning of the CESA Presidential Visit.

The YPF committee was given the opportunity to meet the CESA President Zulch Lotter, CESA CEO Graham Pierie and CESA KZN Branch Chair Collin Raman.



From left: CESA KZN Branch Chair Collin Raman, Ashley Sewmungal, Naomi Naidoo, CESA CEO Graham Pierie, Jeshika Ramchund, CESA President Zulch Lotter, Amanda Masondo, Shian Saroop

In an informal discussion, the YPF was able to share their vision and direction for their term and to discuss the role of young professionals in the industry and the expectations of CESA for the YPF.

YPF KZN would like to thank Collin Raman for facilitating the Meet and Greet and Goba Consulting Engineers for the use of their offices in Durban.

Port Elizabeth Chapter

Women in Engineering Workshop

On the 26 May 2011, CESA YPF-PE hosted a workshop "Women in Engineering".

The workshop focused on raising awareness on challenges women face within the industry and how all can play a role in mitigating these.

About 26 young professionals and interested people within the industry, both male and female attended the workshop.

Guest speaker, Mrs. Belinda van der Wat (Iliso Consulting Professional Engineer, member of SAICE and an Eastern Cape Committee Member of SARF) gave insight on the different types of challenges women face and also shared some of her experiences with us.

A discussion on how to address the identified challenges raised interesting solutions.



Young Professionals in Action



Nelson Mandela Day 2011

Big up to Antoinette Mmekwa (Goba) and Nthabeleng Ranchobe (a personal friend to Antoinette) for spending their 67 minutes in Fine Town doing plaster work and a bit of brick laying!

“There’s a picture of shacks that gives you more or less an idea of what the surrounding area in the place that we went to looks like.

This just goes to show how much engineering we still have to do to bring South African Housing to an acceptable level. And I’m sure some people in the surrounds still don’t have running water in their houses. Sad State of affairs” - Antoinette ‘Twa’ Mmekwa

Well done Antoinette aka Kee, Twa, Kea, Anto! Keep up the fantastic work you do in the industry and our communities at large!

This Nelson Mandela day initiative was facilitated by Cheesekids for Humanity. For more information on Cheesekids visit: <http://www.cheesekids.org.za/>

Please forward your action moments and memories to tshireletso@bks.co.za to be featured in the CESA YPF National and Regional Newsletters.



Fun Events to Attend in September

The Baby Expo Durban, The Getaway Show Gauteng, IFSEC South Africa, Occupational Safety and Health Expo Africa, 2011, The Wedding Expo, Business Opportunities and Franchise Expo, The Look & Feel Good Expo Cape Town, Good Food & Wine Show Gauteng

The YPF National Newsletter is published by Consulting Engineers South Africa (CESA) Young Professionals Forum (YPF), a non profit organization sponsored by various organizations to uplift the built environment industry by promoting engineering as the preferred career choice, generate new ideas, identify possible problems which the industry may face, provide networking opportunities for Young Professionals and train and develop Young Professionals.

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Written, Compiled and Edited by: Tshireletso Rammutla (BKS)



Above: Antoinette Mmekwa

Left: Antoinette Mmekwa & Nthabeleng Ranchobe