



## NEWS

### CONGRATULATIONS! CONGRATULATIONS! CONGRATULATIONS!

It is with great pleasure that we announce the winners for the monthly competitions that the YPF Gauteng has been hosting. The June 2008 competition was entitled "What do you love about being an engineer, technologist, technician". The winner of this competition was Kamogelo Diphoko of Arcus Gibb.

#### What I love about being a Cad Operator

What I love about being a Cad operator is that this job I have is not only essential in future developments of my country but of the world as we know it. Development is the heart beat of a nation without it there is no way forward, so as a Cad operator I find myself in the mix of things right along with the engineers and technologists. Being a Cad operator has put me in the presence of great minds such as the minds of the Civil Engineers in my department. Where endless knowledge is shared and fed to me.

One day I will accomplish my dream of being an engineer, because to me being an engineer has been my long term goal. The joy that the men and woman who plan and construct great monuments such as the Mandela bridge must be awesome. The feeling of immortality one feels when knowing that the project you just completed will be around for years even when you have departed, you know that you family and children will truly remember you in your work, even those who know nothing of you will wonder which man or women thought of this great idea and with enough research they will know that it was you. My love for being a Cad operator goes as deep as one's love for their first car, my job has served as a stepping stone to my destiny and for that I will always love being a Cad operator, and I will also respect future Cad operators, who have headed the call of the earth as it beckons for development, draughting is much like art, or poetry you have to look, listen and most of all be at peace and love your world and the environment your in, then only can you want the best for it.

My career choice went against all speculations, coming from a normal house hold where being an accountant or taking the medical field was like tradition, an with the leap year I took while I was searching for the perfect institution for my draughting , great temptations to do law and other corporate careers kept arising, but as God would have it I stumbled on an advert from the African Academy encouraging people to take on a career in Multi-disciplinary draughting, and my love grew from strength to strength. Now that I am a twenty year old Cad operator who fought hard for his love of a better world, I am proud to be working for Arcus Gibb because here we really live up to our mission statement, we indeed do change lives, and I am proud to say that I am not waiting for my world to change itself, I am at the fore front helping it on it's way as it has helped me. As a Cad operator I have realized the necessity of each of the three career opportunities (engineering, technologist and technician) one cannot function on it's own we work as the human body in a way that the arm cannot claim superiority over the eye just because it can reach higher places, and the eye cannot claim superiority over the arm just because it can see further than the arm can reach. We are all one unified body dependant on each other, nothing is better than an accomplishment achieved through great help. And all that I owe to my career as a Cad operator, indeed I do love my career.

Yours sincerely  
Kamogelo Diphoko

The July 2008 competition was entitled "Why do you think your specific field is the best in your chosen field of engineering". The winner of this competition was Katia Taylor of Arup.



## Engineering, sculpting the planet

Before the invention of the wheel, the fastest form of communication was by foot. Communities were separated by what seemed then to be endless oceans, insurmountable mountain peaks, raging rivers and expansive deserts. Ideas and experiences between cultures could not be shared, beliefs were not challenged and questions were not asked. To them the horizon was the end of all things.

Since then engineering has provided that bridge linking cities, countries and continents. Roads bring people together, which created business opportunities, and soon trade and information exchange was born. Sea travel fostered a thirst for exploration, which led to new discoveries, and with it came more challenges for engineers. Air travel is currently the fastest form of transportation, and is now enabling us to explore other planets, and thereby better understand the world we live in.

Engineers have improved our standard of living, and the fruits of their labour are evident everywhere in our daily lives. We provide shelter and protection for people in many forms, from houses to offices through structural design. Even places of worship and religious icons have benefited from engineering input, turning a simple structure into a beacon for all to see.

People take for granted the clean water that comes out of our taps, provided through a complex network design and process, all produced by an engineer. We improve the lives of disabled people with wheel chairs, so much so that we turn physically challenged people into athletic superstars with the aid of prosthetics.

Sporting activities such as skiing, scuba diving, sailing, wind surfing, motor racing and cycling were all made possible by engineering. Recreational facilities, like theme parks, with twisting roller coasters and water rides were all carefully designed to provide you pleasure, whilst at the same time keeping you safe. Aquariums, housing fish and marine mammals have to be designed to withstand enormous pressures, and the water temperature is continually monitored to best replicate their natural environment. It feels to me as if engineering follows us wherever we go.

This is a multi-faceted field of study and deals with an ever changing world. As an engineer I am required to be continuously aware of these changes and be ready to adapt and equip the world for them. We have the ability to change the way the world thinks by introducing new, more efficient, sustainable designs into the industry. I see us as leaders who guide populations into the future by making provisions for generations to come.

I love being an engineer because of what I can achieve with the skills that I possess. I am honoured to fulfill this role in society. And just as previous innovations have lived on through the ages, I would like my work to be remembered for many years to come.

Katia Taylor  
Email: [katia.taylor@arup.com](mailto:katia.taylor@arup.com)



South African Association of Consulting Engineers  
Young Professionals Forum  
YPF Competition - July/August 2008

Send us a short piece on why you think your specific field is the best in your chosen field of Engineering.

The SAACE YPF was a fortnightly monthly competition open to all young national professionals (as defined by a SAACE member firm) and under the age of 35.

For the months of July and August, send us a written piece on why you believe that yours is the best in your chosen field of Engineering. The best piece will win you a course of your choice at the SAACE School. See the SAACE website for the latest list of courses available, or follow the link.

The winner will also have the opportunity to have their piece published.

Make sure we receive your entry by the last day of the August. Send your entries to us by clicking here. Remember to include your name and telephone number.

The YPF Committee members are really passionate about Engineering, and our aim is to make our own (and yours) passion visible to everyone within and outside our industry.

Important: Please note that the prize includes the course fees. Transport to course venue and accommodation will be the responsibility of the prize winner.

For any queries contact Katia on 011 261 9158 or by email: [katia@saace.org.za](mailto:katia@saace.org.za)

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Logos: BIGEN AFRICA, ARCUS GIBB, SSI, Jeffares & Green, ILISO CONSULTING, BKS, KY3, WSP, ARUP.

Congratulations to **Ramona Reddy of Stemele Bosch Africa** who wins our April 2008 competition with her slogan "Engineering a Nation, to reach its Goal. 2010 World Cup — HERE WE COME...!"

Congratulations to **Kamogelo Diphoko and Katia Taylor**, who wins our June and July 2008 competition. They have won a course of their choice through the SAACE School, courtesy of SAACE & the YPF.



## UPCOMING EVENTS

Date	Description of Event	Venue
20 August 2008	YPF Gauteng branch meeting-16:00	Bigen Africa offices in Pretoria
30 August 2008	Consultant's Relay	Fountains, Pretoria
7 to 10 September	FIDIC Convention	Quebec, Canada
5 to 7 October	SAACE/SAFCCEC AGM and Convention	Fancourt, Western Cape

## FREE COURSE!!!

The YPF KZN will be hosting a 2 hour course on the 2 September 2008, on "An Introduction to civil engineering applications for Geosynthetics", to enable young engineers to become familiar with Geosynthetics. CPD will be obtained for attending.

Please send your contributions to the editor, Shian Saroop, at [shians@ssi.co.za](mailto:shians@ssi.co.za)

### Regards

**Shian Saroop**

**Email: [shians@ssi.co.za](mailto:shians@ssi.co.za)**

**Tell: (031) 7195500**

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