

FROM THE EDITOR

Welcome to our second Newsletter of the year!

National Awards in Cape Town – Please see page 3 for more information on this exciting event. We will not be having our local dinner because of this but will host a cocktail evening towards the end of August so those not attending still have an opportunity to get together as a branch.

Membership Stats – Saice Western Cape Membership Statistics are available on our Web Site. State administered organisations no longer pay for engineering staff SAICE membership, contributing to a drop in membership, these are probably not fully reflective of the Engineering skills base in the Western Cape, but give good insight into where we are currently standing. Please send us your comments or thoughts on these figures. Thanks to our National Office Membership Division for providing these on a regular basis

Forum- Please make use of our Forum to give a voice to your SAICE WC related views or concerns on our Web site

Procurement of Consulting Engineering Services- SAICE WC has been meeting with CESA/SAFCEC, SAIEE, SAIMECHE and Local Govt, reps to discuss procurement. Please see the web site for notes on our meetings and contact us if you would like to get involved in further deliberations. Perhaps with the New 2015 Supply Chain Directives from Treasury we can all go back to our farms???

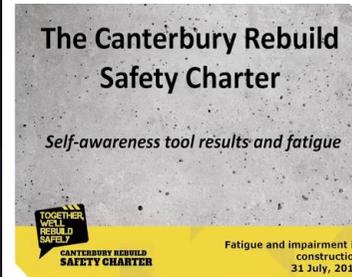
Enjoy the read...

BRANCH BUZZZZING

What you may have missed since newsletter 1/2015:

The Brunel Lecture on 26 February: Duncan Gibb, B.Eng (Civil), FICE, FIPENZ, GM of the Strategic Christchurch Infrastructure reconstruction Team (SCIRT),

addressed the audience at UCT on “Engineers creating collaborative solutions to strengthening community resilience post-disaster”, the disasters being earthquakes and other. SCIRT was established to manage the horizontal services (roads, pipelines, sewers) that were impacted by the earthquakes.



He spoke out strongly on the importance of collaboration and trust between government, the public and private enterprise in addressing disasters. He noted that disaster response is not just about engineering, it is foremost about people and communication. He also provided his interpretation on leadership. It was well received by the small audience.

12 March, 2015, the 13th Jennings Memorial Lecture (SAICE Geo-technical Division): Dr **Brian Simpson** spoke on “Eurocode 7 – Good practice in geotechnical design”

The President's visit and his address to members at the Breakwater Lodge on **18 March**. 42 people this time. You'll have caught Malcolm Pautz's full address in “Civil Engineering”; if not, it's on the SAICE website under– saice.org.za/downloads/Pautz 2015 FINAL for SAICE website.pdf. In the short version delivered at the Lodge, he remained concerned about the young Engineer, encouraging seniors to do the coaching, mentoring, supervision and skills transfer to make them more competent, and saying that the young Engineer should listen carefully and absorb and not be afraid to query/challenge everything. “It is no longer sufficient for us as civil engineers to accept instructions. By our depth of knowledge and understanding of the implications of our plans we have a responsibility for our

own terms of reference. We must take part in the direction of our own efforts. There is an art in planning, so we need to develop our intuition and become attuned to the opinion of the ordinary man.”

A second concern is the lack of engineering skills in the public sector. Improving collaboration may help but the answers to this one are not so clear. The state of many municipalities' finances – 86 out of 278 in financial distress – only adds to the problems.

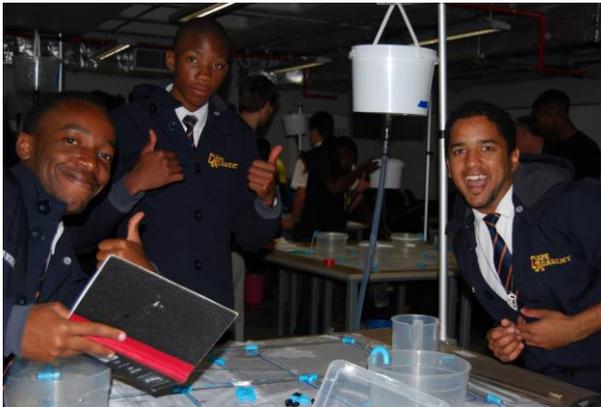
Striking a balance between economic and social infrastructure within limited financial resources will take priority. The National Development Plan offers an opportunity to get everything moving.

The YMBI, is short for Young Members' Branch Initiative. It implements the initiatives of the YMP (Young Members Panel) in their respective regions. On the team: Andani Nesane, Brandon Fredericks, Caro-Joy Barendse, Jody Klaasen and Liandie Otto. The YMBI aims to address issues experienced by professionals who are bridging the gap between tertiary institutions and their working careers.

15 April 2015: Derek Visser addressed around 25 people on the Future Planning of South African Ports at the UCT James building. The Strategy being pursued by Transnet is a Non Competitive, Complimentary Port system that avoids duplication of infrastructure. We were taken through the major works completed and planned particularly at Durban, Richards Bay, Ngqura, and Saldanha where most of the Port Capital Distribution lies. Some numbers -The deepening of Durban Harbour will accommodate vessels of the staggering 14.5m draft, and length of 350m. The New Liquid Bulk and General Cargo Berths at Ngqura will require 1.2million m3 of dredging and a water depth of 18m. We were shown the extent of the new dig out Port at the old Durban Airport which will be another massive undertaking. Other projects included the (completed) Widening of Durban Entrance Channel, the New Sand Hopper Berth & Pump Station (all Durban), at Saldanha the Iron Ore Quay, Oil and gas Repair Quay and the Mossgas quay extension. The audience was keen to engage and discussion was had on topics such as the economics (or lack thereof) of developing Tourist Infrastructure for cruise ships in Cape Town and the

pros and cons of piping ore as a slurry as an alternative to rail.

Aquilibrium Water Competition, 25 April: which the Branch co-hosted with UCT-SAICE Student Chapter in UCT's New Engineering Building. The event, which was sponsored by Aurecon was well attended with 19 teams from across the greater Cape Town and 2 teams from the UCT 100-Up programme. Teams of 3 learners have to simulate the distribution of water from a supply reservoir to three demand reservoirs over varying distances with various limitations to contend with, the winners being the team that finds an optimum solution (equal quantities in each of the demand reservoirs). An experienced team from Brackenfell High comfortably took first place, with Parel Vallei and HTS Drosty coming in second and third. All in all it was a great event and an excellent opportunity for the UCT students and SAICE Branch Members to promote Engineering as a career choice and to have some fun with bright learners.

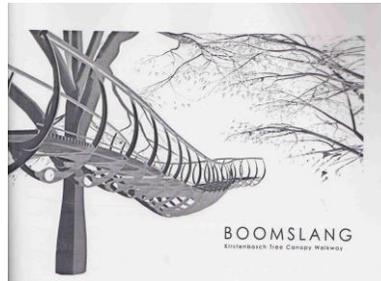


20 May: Regional Awards Competition presentations at the Athenaeum, and just short of 80 people in attendance. The projects put forward were: Preekstoel Water Treatment Works, Overstrand, presented by Geoff du Toit of Aurecon; Slope stabilisation at Langhoogte, along the N2, SANRAL, Doug Dorren of Aurecon; Kirstenbosch Tree Canopy Walkway (Boomslang), SANBI, Henry Fagan of Henry Fagan & Partners; Rehabilitation of Muelle Point Sea Wall, City of Cape Town, Tony Gates of Ingerop;

Jorf Lasfar Phosphate Slurry Pipeline in Morocco, Mike Fehrser of Paterson & Cooke; Wallacedene Public Transport Facility, TCT, Johan Troskie of Bigen Africa.

The first five were in the "technical excellence" category, the sixth in the "community involvement" category. The Moroccan slurry pipeline will naturally fall in the "international projects" category for the national awards.

During the presentations, two projects were at a disadvantage through having presenters other than those originally intended having to step in, and one was hampered by the Powerpoint display not behaving correctly on a foreign machine.



The winner was the Kirstenbosch Tree Canopy Walkway. However, all six projects achieved scores in the mid-70's or better, and the panel recommended that all six should go

forward to the national competition! Our congratulations to the winners and to all the entrants on the standard of the presentations.

Our thanks to Aurecon, Henry Fagan & Partners, Ingerop and Paterson & Cooke who sponsored the event.

07 June 2014 – The Peninsula Paddle –

Not a SAICE organised event but a great initiative aimed at improving awareness of water quality issues in the rivers around the Cape Peninsula and worthy of our members future support. Get your boat ready for next year! See <https://peninsulapaddle.wordpress.com/>

17 June: Tony Smith on Confidential Reporting of Structural Safety (CROSS). A Branch + Joint Structures Division presentation. 21 people in attendance. The JSD comprises some 2200 members who do good work in producing guideline documents (3 in 2013/14!) and seeing to it that sense prevails in the SABS, NHBRC and other committees where they are

represented. CROSS had its origins in aviation where a similar system revealed what went wrong and caused or contributed to air disasters. This is not about blaming, but about producing best practice information on what to avoid in future and reports are stripped of names. ECSA does not investigate failures, only the engineer's performance (only 448 cases in 7+ years) and the Department of Labour only sets enquiries in motion when several people have died in a construction failure, so CROSS may be the only way one will learn from others' mistakes – they need your reports, please., otherwise will close their doors.

BRANCH / MEETING 15 JULY 2015

Topic: TO BE CONFIRMED
Presenter: TO BE CONFIRMED
Date: Wednesday 17 June
Time: 17h00 for 17h30
Venue: Athenaeum, Newlands

SCHOOLS BRIDGE BUILDING COMPETITION 01

AUGUST - Canal Walk. Come along and support Andrew and his team – working out what the various structures can endure is an exacting task, even for the structural experts. Loading: (not shedding) starts at 17h00.

UCT STUDENT CHAPTER COCKTAIL EVENING

Presenter: TO BE CONFIRMED
Date: Thursday 30 July
Time: 17h30

Venue: New Engineering Building foyer, UCT Upper Campus, Cape Town

This has become a great opportunity for Future and Current Engineers to mingle and get to know each other

BRANCH HISTORY & HERITAGE PANEL MEETING 19 AUGUST 2015

Topic: Historical project
Presenter: Tony Murray
Date: Wednesday 19 August
Time: 17h00 for 17h30
Venue: Athenaeum, Newlands

SAICE WESTERN CAPE COCKTAIL EVENING

Date: Wednesday 27 August
Time: 19h00 for 19h30
Venue: The River Club, Observatory
Cost : R275 per person

Booking : cheryl.wright@uct.ac.za

As the National Awards are in Cape Town this year, we will not be having our Annual Dinner so please make use of this opportunity for our local membership to get together. This will be a great opportunity to mingle so please book early.

BRANCH MEETING 16 SEPTEMBER 2015

Topic: YOUNG MEMBERS BRANCH INITIATIVE MEETING

Presenter: TO BE CONFIRMED

Date: Wednesday 16 September

Time: 17h00 for 17h30

Venue: Athenaeum, Newlands (TBC)

NATIONAL AWARDS DINNER

Date: Thursday 08 October

Time: TBC

Venue: Camps Bay Hotel

Following on from a great show last year in Durban, the SAICE National awards will be held in Cape Town this year. This will be a jointly hosted by SAICE and SAFCEC. As seats will be limited to only 350, early booking is essential. Reserve the date now!

SNAPE MEMORIAL LECTURE 21 OCTOBER

Topic: Snape Lecture

Presenter: Prof Mark Alexander

Date: Wednesday 21 October

Time: 17h00 for 17h30

Venue: Athenaeum, Newlands

We don't have Prof Mark's title for the lecture at this stage.

CPD

To your Right and on the following page are the Branch meeting CPD points for 2014 and 2015 to date. Apologies we could not get this out earlier. We hope to be hosting a CPD workshop courtesy of Lafarge in the near future on

Concrete Specifications which we trust will be of value to you.



SAICE BRANCH MEETINGS WESTERN CAPE BRANCH CPD PRESENTATIONS 2014

NO.	DATE	BRANCH LECTURE / TOPIC	PRESENTER	DURATION	
JANUARY					
0	15-Jan	No Meeting		1 Hour	
FEBRUARY					
1	19/2/2014	Presidential Visit	Stanford Mkhacane	1 Hour	SAICEot14/01557/15
March					
2	19/3/2014	Charles Cornwallis Michell – the Man who Paved the Way	Tony Murray	1 Hour	SAICEcon14/01558/15
APRIL					
3	16/4/2014	The PRASA modernisation programme.	Eddie Chinnapen	1 Hour	SAICEtr14/01559/15
MAY					
4	20/5/2014	The Eurocode- Present Status and Future developments	Prof Milan Holicky	2 hrs	SAICEstr14/01508/15
5	21/5/2014	Regional Awards	Various	1 Hour	SAICEot14/01560/15
6	22/5/2014	ASPARI Presentation	Sergei Miller	1 hour	SAICEot14/01561/15
JUNE					
Double Header					
7	18-Jun	The Square Kilometer Array Project	Willie Esterhuyze	1 Hour	SAICEcon14/01562/15
8	18-Jun	Spatial Planning	Prof Zuidgeest	1 Hour	SAICEot14/01563/15
JULY					
9	16/7/2013	Robots- South Africa and Netherlands	Tjerk Schotanus	1 Hour	SAICEot14/01564/15
AUGUST					
10	20/8/2014	Installation of long-haul fibre-optic cable	Andrew Geel	1 Hour	SAICEot14/01705/15
SEPTEMBER					
11	17/9/2014	Kirstenbosch "Boomslang" (Tree Canopy Walk-way)	nas (Architect)/ Henry Fagan (1 hour	SAICEstr15/01673/16
OCTOBER					
12	15/10/2014	The Annual Snape Memorial Lecture	Dawie Botha	1 hour	SAICEot14/01732/15
NOVEMBER					
13	19/11/2014	AGM and Lecture on Passes and Poorts in South Africa	Marian Whitehead	1 hour	SAICErail14/01733/15
DECEMBER					
14	11/12/2014	Implications of self-driving cars	Prof Dr Bart van Arem	1 hour	SAICEtr14/01761/15



SAICE BRANCH MEETINGS WESTERN CAPE BRANCH CPD PRESENTATIONS **2015**

NO.	DATE	BRANCH LECTURE / TOPIC	PRESENTER	URATIO	CPD No.
	JANUARY	No Meeting			
1	28/01/2015	The New Environmental Regulations	Philip Rosenthal	1 hour	SAICEenv15/01734/16
	FEBRUARY				
2	18/02/2015	An Update on Prasa's 10 year Capital programme	Louis Beaukes	1 Hour	SAICErail15/01735/16
	MARCH				
3	18/03/2015	Presidential Address	Malcolm Pautz	1 Hour	SAICEot15/01709/16
	APRIL				
4	21/04/2015	Transet Port Expansion	Derek visser	1 Hour	SAICErail15/01736/16
	MAY				
5	20/05/2015	Regional Awards	Various	1 Hour	SAICEot15/01737/16
	JUNE				
6	27/07/2015	Structural Safety	Tony Smith	1 hour	
	JULY				
	15/07/2015				
	AUGUST				
	19/08/2015	History and Heritage	Tony Murray		
	SEPTEMBER				
	16/09/2015	Initiative.	TBC		
	OCTOBER				
	21/10/2015	Snape Memorial Lecture	Prof Mark Alexander		
	NOVEMBER				
	19/12/2015				
	DECEMBER				

HOW YOUR NEWSLETTER GETS TO YOU

Please let Cheryl know so we can cancel surface mailing to you if you are able to receive your newsletter by email: cheryl.wright@uct.ac.za.

WE ARE LISTENING...

If you have any comments regarding Branch activities, please let us know via email (doug.smetherham@mottmac.com) or post on our website <http://www.saicewc.co.za>.

ARE YOU CONNECTED.....?

We regularly send out email messages to members via E-flash. If you would like to be on the E-flash address list, send an email to marianne.vanderschuren@uct.ac.za with the heading SAICE E-flash (you need not put anything in the text if you don't want to), or fill out the Contact Page on the Branch Website <http://www.saicewc.co.za>.

Remember to tell us about changes in email / other addresses. All official records are kept at National Office, so any changes in your personal details should also be sent to the National Office: SAICE National Office, Private Bag