



The South African Institution of
Civil Engineering

SAICE Western Cape Newsletter

SAICE Western Cape Newsletter!

January/February 2014

Dear Members

Welcome to the first electronic issue of the SAICE Western Cape Newsletter for 2014.

In this issue we introduce you to the new Branch Committee who will be serving your needs for 2014 as well as events which will be coming your way so watch this space!

Please send us your ideas and suggestions by emailing committee@saicewc.co.za.

The SAICE Western Cape Branch Committee



Meet Your Branch Committee for 2014

Chairperson
Doug Smetherham

Vice Chairman
Andrew Clothier

Hon. Secretary
Keith Mackie

Hon. Treasurer
Emmanuel Akumpurira

Committee Members
Brian Holdridge
Eddie Chinnappen
Geoff do Toit
Malefetsane Setaka
Reinholdt Loots
Steve Fanner
Caro-Joy Barendse
Fred Laker
Ishaq Ebrahim
Marianne Vanderschuren
Ronald Mambwe
Tony Murray

UCT Student Chapter
Byron Mawer

US Student Chapter
Liandie Otto

CPUT Student Chapter
Andani Nesane

How your Newsletter Gets to You

Do you receive your Newsletter both by post and via email??

If this is the case, or if you would prefer to receive your newsletter via email, please email Cheryl Wright at Cheryl.wright@uct.ac.za. The cost to send out printed newsletters is in the order of R6000 per newsletter and we are aiming to reduce this cost so your cooperation will be greatly appreciated.

Branch Buzzzzzing

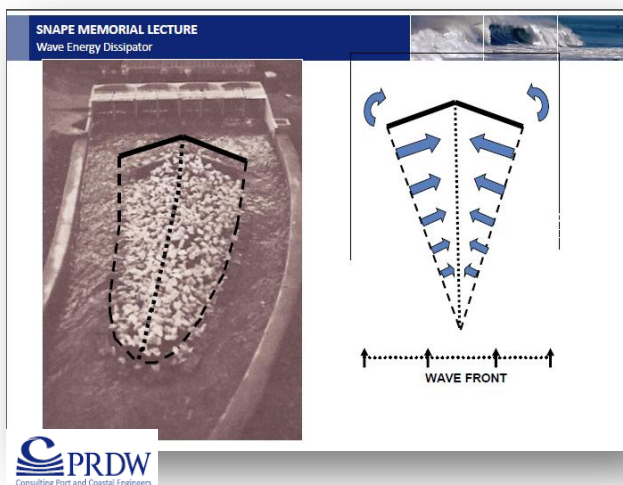
Let's have a peek at what the branch has been up to since Newsletter No. 4 of 2013:



Site Visit to the Robinson & Sturrock Graving Docks and the Syncrolift (25 October 2013)

This exciting trip was enjoyed by those lucky few who managed to make the team.

Keith Mackie reports that octogenarians were running up and down all those steps, putting younger members to shame. A delicious lunch and PPE gear were provided by Stefanutti Stocks Marine and Simon Allen. Great appreciation is paid to them for their efforts.



Snape Memorial Lecture (13 November 2013)

Gordon Prestige delivered this lecture on the power of waves with specific attention to studies and pilot projects. These involved measures taken at coastal installations worldwide to either dissipate wave energy, or to adapt it so as to ride out the storm. Amongst the array of projects were some close to Cape Town:

- At Koeberg Power Station he was involved in the outfall delivering 86 cumec and meeting incoming waves (an overseas expert thought he shouldn't refer to a heap of rock in the middle of this, but rather to "wave

energy dissipater"

- Modelling taking into account not only wave height and length, but direction and other factors showed that the Port of Cape Town is not a major factor in altering the coast to the north of it
- In the V&A Waterfront, the new Tidal Basin reduces wave energy
- Using a low-energy machine in the kelp tank in the Aquarium, they were able to reproduce the motion experienced in the natural environment.

Gordon ended his talk with a plea for sanity as regards tendering processes for consulting work. As it is, budgets are too tight for consultancies to be able to spare their experienced engineers to mentor young engineers. There is also no incentive to spend time on investigating cost saving in projects: something must be done.

65 people were present, including six former Snape Memorial Lecturers: Harry Mills, Bob Kingdon, Louis de Waal, Tony Murray, Mike Shand and Gerald Rosenthal.



Annual General Meeting (20 November 2013)

This AGM saw Doug Smetherham being elected as Chairman of the Western Cape Branch for 2014/15, with Andrew Clothier elected as Vice Chairman. New members of the Committee are Caro-Joy Barendse and Malefetsane Setaka, with new Student Chapter Chairpersons Byron Mawer at UCT and Liandie Otto at Stellenbosch. Andani Nesane continues in the hot seat at CPUT.

Unfortunately, Alice Chang has seized the opportunity to go out to site in Limpopo and has reluctantly waved us goodbye for the time being.

One element of the Treasurer's Report was queried, viz. the shortfall on the account for the Annual Dinner. The explanation that there was a conscious decision to subsidise the cost of the tickets was accepted with the proviso that, since this would be unsustainable if it becomes a regular feature, in future the Committee would have to exercise caution.

Upcoming Events

Please diarise the following networking opportunities coming up in the next few months:

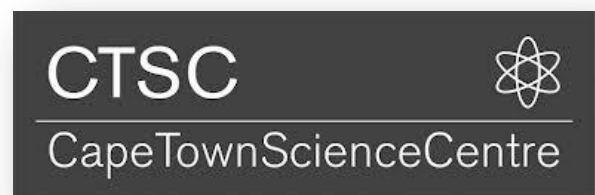
Branch Meeting January 2014

There will NOT BE A BRANCH MEETING/LECTURE AS SUCH FOR JANUARY. We shall try to make that up to you later in the year. Instead, there will be a "meeting" at the Cape Town Science Centre, where we hope Members will come up with some suggestions as to what may be done to promote the Civil Engineering Profession there:

Joint Meeting Hosted by the Cape Town Science Centre

Presenter: GREEN PEACE
Date: Wednesday 19 February 2014
Time: 17h00 for 18h00
Venue: Cape Town Science Centre

As SAICE Western Cape is a sponsor of the CAPE TOWN SCIENCE CENTRE, we felt this would be a good opportunity to visit the Centre as a branch and hear more on this important topic subsequent to our branch lecture on Fracking last year. – www.ctsc.org.za. We would also like to have a look around and hear your thoughts regarding the possibility of a SAICE "stand" at the Centre.



Presidential Address

Presenter: SAICE President Stanford Mkhacane
Date: Wednesday **26 February 2014** (Note: this is the fourth Wednesday of the month, not the third)
Time: 17h00 for 17h30
Venue: Atheneaum, Newlands



Branch Meeting 19 March 2014

Topic: To be advised
Presenter: Gordon Laing
Date: Wednesday 19 March 2014
Time: 17h00 for 17h30
Venue: Atheneaum, Newlands



Branch Meeting 16 April 2014

Topic: Movements at PRASA
Presenter: Eddie Chinnappen
Date: Wednesday 16 April 2014
Time: 17h00 for 17h30
Venue: Atheneaum, Newlands



Regional Awards 21 May 2014

Topic: Worthy Candidate Projects
Presenters: Various
Date: Wednesday 21 May 2014
Time: 17h00 for 17h30
Venue: Atheneaum, Newlands

Entries for the SAICE Western Cape Regional Awards for Excellence in Civil Engineering close on **30 April 2014**. Projects that were substantially complete in 2013 are eligible. There are three categories:

- 1) Projects of Outstanding Technical Excellence
 - 2) Projects directed towards benefiting or otherwise involving a specific community
 - 3) Projects in an international context.
- Competition rules are available from Steve Fanner, (may also appear on the Branch Website: www.saicewc.co.za)



- Please submit your written entries to Steve (Box 1085, Durbanville, 7551, or 13 Azalea Street, Durbanville, 7550) on or before the **closing date of 30 April 2014**.

Branch Meeting 18 June 2014

Double Header

Venue: Aurecon, Century City
Topic 1: The SKA Square Kilometer Array
Presenter: Willie Esterhuyze
Time: 17h00 for 17h30

Topic 2: To be Advised
Presenter: Prof. Mark Zuidegeest
Time: 18h30



Contact Us

We appreciate any comments or feedback which you may have regarding the SAICE Western Cape Branch and our activities. Please forward your comments to Doug Smetherham at doug.smetherham@mottmac.com, or post on our website: www.saicewc.co.za.

EDITOR: CARO-JOY BARENDSE

CPD Numbers

The CPD numbers of all Branch meetings/ lectures held in 2013 can be located in the table below.

SAICE WESTERN CAPE BRANCH 2013 MEETINGS: CPD PTS				
DATE	LECTURE / TOPIC	PRESENTER	TIME	CPD NO.
01-23	Meulwater Water Treatment Works on Paarl Mountain	Geoff du Toit	1 Hr	SAICEwat13/01306/14
02-23	Determination of additional resources to manage pollution: Cape Town City stormwater and rivers	Nicole Nel	1 Hr	SAICEwat13/01324/14
02-27	Presidential address	Peter Kleynhans	1 Hr	
03-20	City of Cape Town's Community Residential Unit Refurbishment Programme	Johan Keuler	1 Hr	SAICEot13/01346/14
04-17	Towards a Scientifically Informed Policy on Hydraulic Fracturing in the Karoo	Dr. Dan Turner	1 Hr	SAICEstr13/01347/14
05-15	Building the N7 through Namaqualand in the 1960's	Steve Fanner	1 Hr	SAICEcon13/01348/14
06-19	The Mgeni Viaduct	George Kustner	1 Hr	SAICEwat13/01431/14
07-17	History and Hydrology of the McMurdo Dry Valleys Antarctica	James Cullis	1 Hr	SAICEwat13/01432/14
08-21	Stellenbosch MBT study: effect on CPTR	Haniefa Gaibe	1 Hr	SAICEtr13/01433/14
08-21	Current Trends in Earthquake Resistant Design	Edmund Booth	1 Hr	SAICEstr13/01436/14
09-18	Western Cape Provincial Infrastructure Plan	Jacqui Gooch	1 Hr	SAICEwat13/01431/14
11-13	Snape Memorial Lecture: "Waves"	Gordon Prestedge	1 Hr	SAICEwat13/01460/14
11-20	Bridging the Eastern Cape: the works of Joseph Newey	Dennis Walters	1 Hr	SAICEstr13/01461/14