

GEOTECHNICAL DIVISION

South African Institution of Civil Engineering

CHAIRMAN:

T E B Vorster
Aurecon South Africa (Pty) Ltd
P O Box 905
Pretoria
0001

Tel: (012) 427 2772

Fax: (012) 427 2393

e-mail: eduard.vorster@af.aurecongroup.com

SECRETARY:

M Theron
Rust Geotechnical Consultants
PO Box 302
Gallo Manor
2052

Tel: (011) 234 4198

Fax: (011) 088 234 4198

michelle@rustgeotechnical.co.za

Home page: <http://www.geotechnicaldivision.co.za>



MINUTES OF THE 325TH MEETING OF THE GEOTECHNICAL DIVISION OF SAICE, HELD AT 15H00 ON 24 NOVEMBER 2011 AT SAICE, MIDRAND

1 PRESENT

		Mnemonic
Eduard Vorster	Chairman: representative of SAICE	EV
Michelle Theron	Secretary, Membership	MT
Nicol Chang	Subcommittee: Evening lectures, TC212	NC
Gavin Wardle	Lateral support code	GW
SW Jacobsz	ARC 2011; ISSMGE Awards Committee (AWAC), TC 104, Energy Saving foundations representative.	SW
Pieter Oosthuizen	Subcommittee: CPD, evening lectures	PO
Heather Davis	Treasurer	HD
Phil Paige-Green	Representative: SAIEG, TC202	PPG
Riva Nortje	GIGSA Representative	RN
New Members present: Dr Gerrit Smit Drian Roos Sinenkosi Dlamini Laxmee Sobhee-Beetal		

2 APOLOGIES

Marie Basson	Subcommittee: YGE, Awards	MB
William Joughin	SANIRE	WJ
Thandile Dlokweni	SANIRE	TD
Dr Dennis Kalumba	Cape Town Representatvie	

3 ADDITIONAL DISTRIBUTION

Minutes of Geotechnical Division also sent to:

Ali Naidu	SAICE President	AN
Manglin Pillay	CEO of SAICE	MP

Dennis Kalumba	Cape Town Representative	DK
Bazy Dukhan	Durban Representative	BD
Malcolm Jaros	Durban Representative	MJ

4 MINUTES OF PREVIOUS MEETING

The minutes of the previous meeting were accepted by those present. ALL

5 MEMBERSHIP

- Payment has been made to ISSMGE in accordance with latest list (315 members). Refund received from SAICE for ISSMGE membership. HD
- Membership: Aligning SAICE list – 355 members
- Division Communication list – 250 members (Registered on Geotechnical division website).
- Compare newly registered members on website with paid-up membership list. Require information prior to AGM.

6 CORRESPONDENCE

- ISSMGE:
 - ISSMGE present 25th progress report after 760 days as president (8 Nov).
 - ISSMGE Bulletin – October 2011 - Vol. 5, Issue 5
 - ISSMGE council meeting in Toronto 2 October. Results of meeting refers:
 - Yes to transfer Israel to ISSMGE European region
 - Yes to have ISSMGE financial statements be approved by the Board; and
 - Yes to have audited financial statements be approved at Council Meetings
 - Decide against changing the society name to “International Society for Geotechnical Engineering.”
 - It is requested that member societies in the same region share information.
 - The Geoscience Amendment Act (Act 16 of 2010) was assented to and signed into law by the State President on the 3rd December 2010. In order to give effect to the provisions of this Act the Department of Mineral Resources together with the Council for Geoscience has developed Draft Regulations to the Amendment Act.
- ISSMGE Technical Committees:
 - Nicol Chang is a member of TC212: Deep Foundations. Conference in Japan, September 2012.
 - Newsletter from TC211 (ground improvement)
 - New TC: TC98 Basic of Geotech & Structural design.
- SAICE:
 - Nothing to report

- SANS:
 - Most of the codes referred to SC59P have been through an initial edit and are virtually ready to be re-issued as committee drafts.
 - SANS 1936-1 Dolomites: General Principles and Requirements have been revised. This code is currently out for voting as a committee draft.
 - SANS 1936-2 Dolomites: Geotechnical Investigations and determinations, the working group is moving away from prescribing the scenario supposition method for assessment of Inherent Hazard classes by allowing other rational methods of assessments as well.
 - SANS 10400: Part H – Foundations. A new committee draft has been approved following a vote by members of SC59P. The (mainly editorial) changes recommended by the voting members are currently being incorporated into the code. It will then be issued as a draft SA Standard for Public Comment before being issued as an official standard.
 - SANS 10400 series have been changed (Annexure from NBR removed)
 - At the SABS convention in October 2011, 4 new SANS were launched, namely:
 - SANS 204:2011, energy efficiency in buildings
 - SANS 10400XA, the application of the National Building Regulations Part XA: Environmental sustainability Part XA: Energy usage in buildings.
 - SANS 50001:2011, Energy management systems – Requirements with guidance for use
 - SANS 50010:2011, Measurement and verification of energy savings.

- GIGSA:
 - Lecture is being planned for 2012: Prof Jonathan Fannin of the University of British Columbia on Filtration & reinforcement. Date not confirmed yet.
 - The November 2011 edition of the GIGSA Newsletter is now available for downloading from <http://www.gigsa.org/GIGSA/newsletters.htm>

- SAIEG:
 - New courses in 2012 on Rock Identification and Core logging
 - AGM will be held in March 2012.

- SANAIRES:
 - Will in future advertise geotechnical events on the SANAIRES website.

7 FINANCES

- The balance in the account end of October 2011 is R763,014-58.
- It was submitted to SAICE to be audited.

HD

8 SUB COMMITTEES¹

8.1 Sub-committee: Evening Lectures (NC, PO)

- It was decided that RCA will be managing the lectures in 2012, i.e organising the meetings, replies and reminders.
- Allow evening lectures to be sponsored (min R2500)
- 2012 Lecture topics:
 - Filtration & Reinforcement by Prof Jonathan Fannin of the University of British Columbia
 - Evening lecture on assessment of laboratory test results quality (GH)
- Possible short course topics:
 - Geotechnical Investigation (2-3 day course)
 - Foundation course for spread footing design (Series of 4 lectures) of:
 - Bearing capacity
 - Settlement (elastic, consolidation, creep)
 - Limit state design
 - Structural design considerations
 - short course where the various packages are compared and the results of example problems are discussed. (2013)
 - Lateral support short course
- Stefanutti indicated that they would like to sponsor evening lectures. They will confirm with lecturer if this is in order.
- Notify members at AGM of the possibility of sponsoring evening lectures.
- Sponsorship of evening lectures will be done on an event basis. Cost of sponsorship is R2,500/lecture.
- AGM will not be sponsored.
- Try to combine an evening lecture with SAIEG, SANIRE, GIGSA

¹ Combine portfolios of 8.1 and 8.2 in 2012

8.2 Jennings lecture

Lectures to be discussed at the next meeting.

8.3 Subcommittee: Courses and conferences

Need to inform African region of courses and conferences.

8.3.1 ARC 2011 (SW)

- Next ARC in Tunisia.
- The division should consider hosting a Southern Africa Conference

SW

8.3.2 Young Geotechnical Engineers Conference (EH, HB, MB)

- 86 delegates attended the conference with 29 presentations
- Jacobus Breyl gave best Presentation at YGE
- Gerrit Smit gave best Paper at YGE

EH, HB

8.4 Subcommittee: Publications and codes

8.4.1 CoP Lateral Support (GW)

- Long term plan to review and rewrite this Code to include limit state design - subcommittee to be set up to look at this..
- Will start to identify committee for the task next year.
- Need to mention this at AGM.

EV

8.5 Sub-committee: SAICE Magazine (TG)

- Need to collate articles.
- Deadline 1st February
- Gold Medal Awards interview – Eben Rust
- Promote articles for the magazine at the AGM.

TG

EV

8.6 Sub-committee: Awards (MB)

EV to follow up.

- There has been request to give sponsor undergraduate students. Alison Lawless has a sponsorship fund which the division could supplement.

EV + MB

8.6.1 South Africa Geotechnical Gold Medal

- was instituted by the Geotechnical Division to honour members of SAICE who have made a significant contribution to geotechnical engineering in South Africa.
- The medal is awarded to an individual who, in the unanimous opinion of the Division Committee, has made a significant contribution to furthering the art and science of geotechnical engineering in South Africa.
- Winner: *Prof Eben Rust*
- Need to compile new list. Consult medal holders for suggestions.

8.6.2 Jennings Award

- Presented for the best paper relevant to geotechnical engineering by a member of the Geotechnical Division published either in SA or elsewhere.
- 3 Nominations were received:
 - *Peter Day & Malcolm Jaros* "Application of Eurocode 7 to the geotechnical design"
 - *Michelle Theron, Fritz Wagener, Phillip Steenkamp* "Seismic stability assessment of the raising of the Geita Tailings Storage facility, Tanzania"
 - *IJ Breytenback, P Paige-Green, JL van Rooy* "The relationship between index testing and California Bearing Ratio values for natural road construction material in SA."
- Adjudicated by : Alan Parrock
- Winner: *Michelle Theron (Rust Geotechnical Consultants),
Fritz Wagener (Fritz Wagener & Associates),
Phillip Steenkamp (AngloGold Ashanti Ltd.)*

8.6.3 Barry van Wyk Award

- The award is presented annually to the author of the best final year dissertation on a geotechnical topic at a South African University or University of Technology.
- Adjudicated by : Alan Parrock, Peter Day and Gavin Wardle.
- 7 nominations were received (Tuks, UJ, UCT, UKZN)
- Winner: *Hendrik Steenkamp (Tuks)* "Embedment of Dynamically Loaded Foundations"

8.6.4 Nominations for Fellowship of SAICE

- Congratulations: Dr Michael Pavlakis (2010)
- Nominate Heather Davis for fellowship.
- Get more nominations for 2011.

8.7 Webpage (SP)

- Will send another bulk email with new website details for members to register on the website. First time members can register using the **password 123** and

complete the form. Members who want to change can now do so on the webpage unless they want to change their email address in which case they need to email Solly.

- Thank you SP for facilitating the website.
- Website requires confirmation email once a member has registered. In progress
- GW will forward booklist and prices. Books can be ordered online – Add R30 postage to your order
- Requires information for news page. Will load ISSMGE bulletin and newsletter onto website as well as minutes of the division
- Need to keep a list of Events and lectures on the website Event Page, updated CPD list and attendance.
- Update the Awards Page of the last recipients of Barry van Wyk, Jennings & Gold Medal.
- Careers Page:
 - All available jobs from different companies in SA can be placed on the site.
 - Cost to advertise a job on the site ± R3500 pm.

GW
EV+ MT
NC + PO

8.8 Sub-committee: Continued Professional Development (PO + NC)

- All the Division's courses and lectures to be CPD accredited.
- The SAICE Geotechnical Division keeps a formal record of attendees and courses. These need to be attached to the monthly newsletter and on website.
- Need to scan records of attendees for electronic record.
- ARC is CPD accredited.
- ECSA website do not reflect all CPD points.

8.9 ISSMGE International Development Committee (IDC)

- Webinars: Eurocode 7 (December 2011): see if course was recorded and get a copy to members in the country and was not able to attend.

9 GENERAL

- 500 copies of "A personal account of the history of ground anchors in Southern Africa including some practical guidance on the subject" to be sold at R25/copy. The money will be donated to the geotechnical division. Will sell the book to SAICE for R20. GW to send brief to EV to include in the next newsletter.
- Geotechnical books require marketing.
- TC members could be sponsored to attend meetings should money permit.
- Outgoing Committee Member: Hennie Barnard (YGE)

GW

Comittee for 2012

Dr Michelle Theron	Chairperson
Dr Nicol Chang	Secretary

Heather Davis Treasurer
Gavin Wardle
Prof SW Jacobsz
Dr Eduard Vorster
Trevor Green
Solly Phalanndwa
Pieter Oosthuizen
Marie Basson
Eulane Heukelman

Dr Dennis Kalumba / Laxmee Sobhee-Beetal	Cape Town Representative
Prof Malcolm Jaros / Bazy Dukhan	Durban representative
Dr Phil Paige-Green	SAIEG representative
Riva Nortje	GIGSA representative
Thandile Dlongweni	SANIRE representative

- New members:

Andrew Greet,
Sinenkosi Dlamini,
Drian Roos,
Dr Gerrit Smit
Laxmhee Sobhee-Beetal. Cape Town offices,

10 NEXT MEETING

- The 326th meeting of the Division will take place at 16:00 on 26 January 2012 at **Jones & Wagener office in Rivonia** followed by a Committee Dinner @ La Campagnola in Bryanston.

Minuted by Michelle Theron

Contact list of division members and possible committee positions 2012

<u>NAME</u>	<u>POSITION</u>	<u>EMAIL</u>	<u>TELEPHONE</u>
Michelle Theron	Chairperson	michelle@rustgeotechnical.co.za	0112344198
Nicol Chang	Secretary	nicolc@jhb.franki.co.za	0836345854
Trevor Green	Sponsorship	trevor@verdicon.co.za	0826845621
Eduard Vorster		eduard.vorster@af.aurecongroup.com	0824537974
Eulane Heukelman		eulane@arq.co.za	0828225737
Marie Basson		marieB@arq.co.za	0829440592
Pieter Oosthuizen		Pieter@sgeng.co.za	0828237794
Heather Davis	Treasurer	HeatherD@bks.co.za	0836506391
Gavin Wardle	COP	wardle@jaws.co.za	0115190200
SW Jacobsz	TC, environmental pilling, Geotechnical design codes	Sw.jacobsz@up.ac.za	0124203124
Riva Nortje	GIGSA rep	nortje@jaws.co.za	0828801251
Phil Paige-Green	SAIEG rep	ppaigegr@csir.co.za	
Solly Phalanndwa	Webpage	sollyp@mknconsulting.co.za	0836345918
William Joughin	SANIRE rep	WJoughin@srk.co.za	
Thandile Dlokweni	SANIRE rep	TDlikweni@srk.co.za	0828241476
Andrew Greet			
Sinenkosi dlamini			
Drian Roos	Publications		
Dr Gerrit Smit			
Laxmhee Sobhee-Beetal.	Cape Town Rep.		