

GEOTECHNICAL DIVISION

South African Institution of Civil Engineering

CHAIRMAN:

Mr Trevor Green
Verdi Consulting Engineers
PO Box 13096
VORNA VALLEY
1686

Tel: (087) 806 2880
Fax: (086) 743 8174
e-mail: trevor@verdicon.co.za

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

SECRETARY:

Mr Solly Phalanndwa
Arup (Pty) Ltd
Postnet Suite No. 93
Private Bag X1
MELROSE ARCH, 2076

(011) 218 7740
(086) 558 8295
solly.phalanndwa@arup.com



MINUTES OF THE 347TH MEETING OF THE GEOTECHNICAL DIVISION OF SAICE, HELD AT 13H30 ON 16TH AUGUST 2016 AT SAICE HEAD OFFICE, MIDRAND

PRESENT

Trevor Green	Chairman	TG
Solly Phalanndwa	Secretary	SP
Heather Davis	Treasurer	HD
Florian Hoertkorn	GIGSA rep to GeoDiv	FH
Jacobus Breyll	Sponsorship & Codes	JB
Marie Basson	YGE	MB
Scott Gover	Awards	SG

APOLOGIES

Gabi Wojtowitz	CPD	GB
Phil Paige-Green	SAIEG rep to GeoDiv	PPG
Nicol Chang	Evening Lectures	NC
SW Jacobsz	ISSMGE Awards	SW
Dan Avutia	Marketing & Publications	DA
Gerrit Smit	Courses & Conferences	GS
Rob Armstrong	SANIRE rep to GeoDiv	RA

ADDITIONAL DISTRIBUTION

Denis Kalumba	Cape Town rep	DK
Malcolm Jaros	Durban rep	MJ
Peter Day	Jones and Wagener	PD
Gavin Wardle	Jones and Wagener	GW
Manglin Pillay	CEO of SAICE	MPi
Gerhard Heymann	University of Pretoria	GH
Chris Herold	SAICE President	CH
Debbie Besseling	SAICE Secretary	DB
Eduard Vorster	GeoDiv rep to SANCOLD	EV
Jonathan Day	Website	JD

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Topic and Action	Action By
<p>1. MINUTES OF PREVIOUS MEETING</p> <ul style="list-style-type: none"> Minutes of the previous meeting were accepted by those present. 	TG
<p>2. MEMBERSHIP</p> <ul style="list-style-type: none"> SAICE membership list indicates 577 members for Geotechnical Division as of 01 July 2016, of which 533 are "In Good Standing" and 44 are "On Hold". Exact number fluctuates slightly each month. HD to follow up with SAICE on members that are "On Hold". 	HD HD
<p>3. FINANCES</p> <ul style="list-style-type: none"> Balance as of end of July 2016 is R1,218,083.24 No further business. 	HD
<p>4. CORRESPONDENCE</p> <p>4.1 ISSMGE</p> <ul style="list-style-type: none"> 9 Abstracts were received from members before the closing date (31 May 2016) for the 19th ICSMGE Seoul 2017 conference and 2 abstracts received after the closing date were not accepted. The president of ISSMGE, Roger Frank has sent out an invitation to all members to join the Geotechnical Business Directory that is being prepared. The directory is expected to include +-5500 members and +-400 companies from +-136 countries. The online platform of the directory is available at http://www.mygeoworld.info/business-directory/. ISSMGE Conferences: <ul style="list-style-type: none"> Upcoming International Young Geotechnical Engineers' Conferences. - 8th Asian Young Geotechnical Engineering Conference, 5-7 August 2016 - Astana, Kazakhstan. Information: http://kgs-astana.wix.com/8aygec - 5th African Young Geotechnical Engineering Conference, 10-12 August 2016, Kumasi, Ghana. Information: 5aygec16@gmail.com - 5th South American Young Geotechnical Engineers Conference - SAYGEC/GEOJOVEM 2016. 19-22 October 2016, Belo Horizonte, Minas Gerais, Brazil. Information: http://cobramseg2016.com.br/index.php/geojovem-sobre/ 	SP

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<ul style="list-style-type: none"> - 11th ANZ Young Geotechnical Professionals Conference (11YGPC). 25-28 October 2016, Queenstown, New Zealand. Information: http://www.nzgs.org/resources/pdfs/YGP_11Queens2016formsv1.pdf • ISSMGE Awards Committee <ul style="list-style-type: none"> The ISSMGE offers the following awards to recognize those members who have made important contributions to our profession, society and the world. The deadline for nominations of award was on 01st July 2016. The following nominations were received and sent to ISSMGE Secretariat: <ul style="list-style-type: none"> - ISSMGE Outstanding Geotechnical Project Award from Worley Parsons. - ISSMGE Outstanding Member Society Award, SAICE Geotechnical Division - ISSMGE Outstanding Young Geotechnical Engineer Award, Daniel Avutia - Peter Day's name was nominated for the Kevin Nash Gold Medal - In addition, the ISSMGE has asked Per Day to present the Terzaghi Oration at the next international conference in Seoul Korea in 2017. • ISSMGE International Development Committee (IDC) <ul style="list-style-type: none"> Nothing to report 	SW
<p>4.2 SAICE</p> <p>A letter was sent to Ian Hammond on 26th June 2016 asking him to cease advertising his services to SAICE members, especially relating to “discounted specials” on geotechnical investigations. Ian responded in an email on 27th June 2016 apologizing for the inconvenience caused and he agreed to cease all future advertisements of this nature.</p>	TG
<p>5. SUB-COMMITTEES</p> <p>5.1 Sub-committee: Evening lectures</p> <ul style="list-style-type: none"> ▪ 2016 Lecture topics: <ul style="list-style-type: none"> ▪ Four (4) topics are planned for this year ▪ Alan Parrock will be presenting an evening lecture on RIC, Dynamic compaction this afternoon, 16 August 2016. To-date 51 delegates have RSVP. ▪ The second lecture will be Fritz Wagener's lecture, 'A Lifetime on Dolomite', 13th September 2016. ▪ Gavin Byrne's piling lecture is confirmed for 1st of November, and title to be decided. 	NC

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<ul style="list-style-type: none"> ▪ Peter Day and Heather Davis' lecture on Site investigations has been provisionally booked for 29 September 2016 at Bytes Conference Centre for non-geotechnical engineers. ▪ NC still needs to speak to Ken Schwartz for the lateral support lecture, it has been provisionally booked for 13th October at SAICE offices, but may be subject to change depending on Ken's availability. ▪ Peter's lecture on expansive clays will be pushed to next year, 2017. ▪ Ground improvement, by representative from Keller to be moved to next year, 2017. 	
<p>5.2 Sub-committee: Jennings Lecture</p> <ul style="list-style-type: none"> ▪ The Jennings presenter for 2017 will be Kenichi Soga, SW also confirmed that Kenichi is expected to be well received. ▪ TG to send an email to Kenichi for invitation with possible dates in March 2017. ▪ Lecture will be held in Durban, Cape Town and Johannesburg followed by a short course on a relevant topic at Bytes Conference Centre for a day. 	TG
<p>5.3 Sub-committee: Courses and Conferences</p> <ul style="list-style-type: none"> ▪ 1st South African Geotechnical Conference in Sun City <ul style="list-style-type: none"> ○ Breakeven on income/expenses – Will have to up the fee a bit in future to make a bit of profit. The current 50% discount on a 3rd person attending will have to be decreased to 25%-30% to be able to cover all costs. ○ The conference proceedings were more expensive than that budgeted for. ○ The next 2nd South African Geotechnical Conference will be organised in 2024. 	TG/GH
<ul style="list-style-type: none"> ▪ 17th African Regional Conference (ARC) <ul style="list-style-type: none"> ○ To start organising in 2017. 	TBC
<ul style="list-style-type: none"> ▪ Young Geotechnical Engineers Conference (YGE) <ul style="list-style-type: none"> ○ Couple of people are interested in being in the committee, (Dan Avutia, Louise or Thomas from ARQ, Gabi and 2 possible from SRK). ○ Yolandi to start looking at possible venues that can accommodate +-100 delegates. ○ Possible venues are: 	MB

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<ul style="list-style-type: none"> - Umhlanga rocks hotel- Well situated and would be affordable to most people. - Waterfront hotel at Durban point, cost p/p sharing is +-R5100.00 - Zimbali Resort- It would be difficult to find cheap accommodation around there. - Sunny Port Alfred Hotel is the most expensive. o Cost exercise from Gauteng to Durban for 2-3dys indicated a total cost of approximately R4,800p/p sharing including flights and accommodation. o Possible Godfathers to be considered: <ul style="list-style-type: none"> - Malcom Jaros - Gavin Byrne - Fritz Wagener - Ken Schwartz - Heather Davies o Committee to vote on their preference but preferably someone with a wide range of technical expertise. 	
<p>5.4 Sub-committee: Publications and codes of practice</p> <ul style="list-style-type: none"> ▪ We need someone to champion both Lateral Support and Piling code of practice. Eduard Vorster would be an ideal candidate but he is extremely busy at work to take a lead on this. Gavin Byrne is still a good option. A suggestion was put forward good to get an academic from University to champion this. Possible candidates to champion this would be Malcom Jaros, SW Jacobsz, Eben Rust, or Irvin Luker. TG will try to find someone who is willing to drive this and also speak to SW for some suggestions. 	<p align="right">TG</p>
<ul style="list-style-type: none"> ▪ Geotechnical Design Code Peter is now looking at Reliability design more extensively. The next phase will be to organise a workshop on reliability design to discuss the possibility of including the topic in the code. More work needs to be done on reliability design before the actual Geotechnical design code. TG to get a date and announcement out before end of the week. ▪ SABS/SANS ▪ TC98/SC006 (PD): See Table overleaf ▪ SC59P (EV): Nothing to report 	<p align="right">PD/ TG</p>

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<ul style="list-style-type: none"> ▪ ISSMGE Technical Committees ▪ See table overleaf: 		
ISSMGE Technical Committees		
Committee	Member involved	Update from member
TC102 In-Situ Testing	Gerhard Heymann Denis Kalumba	Nothing to report.
TC202 Transportation	Phil Paige-Green	Nothing to report.
TC104 Physical Modelling	SW Jacobsz	The next Centrifuge Conference will be held in England in 2018. There will probably be a committee meeting during the Seoul conference next year.
TC205 Safety and Serviceability	Peter Day	Lots of activity. The discussion sessions on Reliability Based Design continue. The committee has prepared a paper on the results.
TC212 Deep Foundations	Nicol Chang	Nothing to report.
Awards Committee	SW Jacobsz	The awards nomination is now closed. The nominations have been forwarded to the ISSMGE secretariat.
SANS Technical Committees		
Committee	Member involved	Update from member
TC59 SC03	Peter Day	TC59 is the Construction Standards Committee. SC03 is a sub-committee working on the Dolomite Code with three working groups to revise SANS 1936. Revision of dolomite coda (SANS 1936) at an advanced stage thanks to very diligent work by the working groups.
TC59 SC03 Dolomite Code Part 1 and 2	SW Jacobsz	Work is progressing very well. The working group plans to have draft ready for review at the end of September.
TC60	Gabi Wojtowitz	TC60 – Standards to address the National Building Regulations An email requesting feedback was sent out earlier in the year. No feedback was received. Further, nothing to report.
TC98	Peter Day	This is the Structural and Geotechnical Design Committee and is chaired by Peter Day.

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		See below for updates of relevant Geotechnical sub-committees and working groups	
TC98 SC06	Peter Day	This sub-committee is chaired by the SABS and has working groups – see below.	
TC98 SC06 SANS 207 Working Group	Eduard Vorster	No feedback received. Also requested feedback from Edoardo Zanoni – will include for next meeting.	
TC98 SC06 Geotechnical Design Working Group	Alan Parrock / Peter Day	Peter Day reports: Confirmation is required as to Alan Parrock’s capacity to be involved in the working group in light of his retirement. The work on Reliability Based Design (RBD) and its application in practice is continuing. Lots of work is still required before RBD can be included in a design code. There are two students Stellenbosch University who are considering PhD studies in this field: One focussing on the requirement for RBD and the other on the calibration of the factors in the current design code.	
5.5 Sub-committee: SAICE Magazine <ul style="list-style-type: none"> • Nothing to report 			DA
5.6 Sub-committee: Awards <ul style="list-style-type: none"> • 2016 Barry van Wyk Award – Closing date has been extended to 06 September 2016. Two entries were received to-date from UCT. • 2016 Jennings Award – Closing date has been extended to 06 September 2016. One nomination for the Jennings paper has been received to-date. • 2016 Geotechnical Gold Medal <ul style="list-style-type: none"> ○ Phil Paige Green has been nominated for the 2016 Gold medal award for his broad contribution to research in geotechnical engineering. TG to send a letter to PG in due course. ○ Other Potential candidates for 2017 Gold Medal (Prelim only and in no particular order): <ul style="list-style-type: none"> ▪ Ettiene Terblanche ▪ Louis Mellis ▪ Harold Webber ▪ Heather Davis ▪ Mike Hadlow ▪ GV Price ▪ Lionel Moore ▪ Kobus Venter ▪ Terry Pigeon ▪ Clive Wilson ▪ Graham Howell 			SG
<ul style="list-style-type: none"> • Potential fellows for 2016 that will be sent to SAICE for consideration are: 			

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<ul style="list-style-type: none"> ▪ Alastair Morgan ▪ Irvin Luker ▪ Terry Pigeon ▪ Graham Howell ▪ Frank Netterberg ▪ Ron Tluczek <ul style="list-style-type: none"> - TG to send contact details of all the nominees to SG, who will notify them and ask them to fill in the nomination forms - Another potential candidate for fellow is Alan Robinson. 	
<p>5.7 Sub-committee: Website and Communications</p> <ul style="list-style-type: none"> • Everyone is getting notices, bulk emailing system working okay. Florian's email to be changed to Jones & Wagener (hoertkorn@jaws.co.za). • HD to send through the mailing list for the new geotechnical members to Luzaan of Verdicon when available. 	TG
<p>5.8 Sub-committee: CPD</p> <ul style="list-style-type: none"> • Completed CPD accreditations not available at the moment. GW is sending information for accreditation of all outstanding CPD. • CPD done for the tropical soils and the Geotechnical conference. • Brian Simpson's presentation for Jennings 2015 is now available to finalize the CPD accreditation. 	GW
<p>5.9 Sub-committee: Marketing</p> <ul style="list-style-type: none"> • Nothing to report 	DA
<p>5.10 Sub-committee: Sponsorship</p> <ul style="list-style-type: none"> • No sponsorship received for Alan Parock's lecture. • JB to approach companies for possible sponsorship for upcoming evening lectures (just to cover snacks and drinks) 	JB
<p>5.11 Sub-committee: Young Members Presidential Group (YMGP)</p> <p>The ISSMGE YMPG feedback summary:</p> <ul style="list-style-type: none"> • Currently 119 members on the LinkedIn group https://www.linkedin.com/groups/7056027 • Current discussion over webinar topic options/survey https://docs.google.com/forms/d/e/1FAIpQLSc-kald3Tymnh7DFkVv53ivpqB1AuHVqj3NECVK9dtjxECUdq/viewform?c=0&w=1 • YMPG logo competition to be published end August on LinkedIn group? • The Group is engaging with Dmitrios Zekkos to build a more comprehensive online library on the latest ISSMGE website. • The group to list the top 20 Geotechnical Engineering scholarships in each continent (MSc/MEng and PhD) 	DA

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<ul style="list-style-type: none"> • Mentorship initiative still requires a lot of work? No database of potential Mentors and also need to gauge interest from the mentees. • Corresponding members map is live with over 500 members at present 	
<p>6. LIAISON WITH OTHER SOCIETIES</p>	
<p>SANIRE</p> <ul style="list-style-type: none"> • Nothing to report 	<p align="center">RA</p>
<p>SAIEG</p> <ul style="list-style-type: none"> • Members focusing on 35th International Geology Conference to be held in Cape Town International Convention Centre on 27th August – 4th September 2016. • SAIEG hold 4 evening lectures per year and they are free for GeoDiv members. TG to ask PPG to send through a notification of all upcoming lectures/events to be distributed to our members. 	<p align="center">PPG</p>
<p>GIGSA</p> <ul style="list-style-type: none"> • TG received a letter from GIGSA referenced to SAICE Geotechnical Division, dated 15th August 2016, requesting SAICE Geotechnical Division to remove power of action of SAICE from the Constitution (which reads as follows: <i>Section 14.1.4: Notice of proposed amendments must be sent in advance to the IGS and the SAICE. No amendment is final unless agreed to by the IGS and by the SAICE Geotechnical Division</i>) • The SAICE Geotechnical Division committee agree that the division should not have power over GIGSA as they run independently. The committee resolved that GIGSA should be granted a permission to remove power of action that SAICE has over GIGSA. TG to send a copy of the minutes and a letter to GIGSA confirming this resolution. 	<p align="center">FH/TG</p>
<p>SANCOLD</p> <ul style="list-style-type: none"> • Nothing to report - No feedback received 	<p align="center">EV</p>

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<p>additional members to serve in the committee. The Technical committee was started about 7 years ago and was headed by someone from east Africa but it has since died.</p> <ul style="list-style-type: none"> - TG is the authorised person to nominate TC committee members on ISSMGE website but he cannot remove members not nominated by him. <ul style="list-style-type: none"> ▪ Shaun Nel of Terrastrata has offered to continue with the sponsorship for the South African Geotechnical Conference (2024) and possibly the African Regional Conference (ARC) in 2018. JB will go back to Shaun to find out if he would be interested in sponsoring the ARC. ▪ A suggestion also came forth to investigate a possibility of establishing a Tailings technical committee. SG to check with the Environmental division if they have a similar committee within their structure. ▪ Bank Account <ul style="list-style-type: none"> - Currently there is no signing powers on the division's bank account. The signatory power was lost and the treasure find it difficult to do forex transfers. The service from STD bank has become very poor and it would be better to move the accounts elsewhere. The committee resolved that the division accounts be moved to Rand Merchants Bank (RMB) with immediate effect. Three signatory will be required from the committee members in addition to Steven Kaplan of SAICE. 	<p align="center">JB</p> <p align="center">SG</p>
<p>8. NEXT MEETING</p> <p>Next meeting on 24th November 2016 – 2 hours before the AGM at SAICE Offices in Midrand.</p>	<p align="center">All</p>