



Institute of Mine Surveyors of Southern Africa

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MINUTES OF THE 97th ANNUAL GENERAL MEETING, HELD ON THE 20th SEPTEMBER 2019 CATHEDRAL PEAK, DRAKENDBURG

Contents

1. WELCOME	2
2. NOTICE OF THE MEETING	2
3. OBITUARIES	2
4. ATTENDANCE AND APOLOGIES	2
5. FINALISING THE AGENDA	2
6. CORRECTIONS TO THE PREVIOUS MINUTES	3
7. MATTERS ARISING FROM PREVIOUS MINUTES	3
8. PROFESSIONAL ACTIVITIES	3
9. FINANCIAL REPORT	4
10. PRESIDENT'S REPORT	6
11. INDUCTION OF THE NEW PRESIDENT FOR 2018/2019	12
12. INDUCTION OF THE NEW VICE-PRESIDENTS	13
13. ELECTION OF COUNCIL MEMBERS FOR THE FORTHCOMING YEAR 2017/2018	15
14. AWARDS	16
15. AMENDMENTS TO THE CONSTITUTION	Error! Bookmark not defined.
16. GENERAL	17
17. CONCLUSION	17

1. WELCOME

The meeting was opened at 09h00 by the President, E Ramzan who welcomed all members of the Institute and guests who have travelled from far, Mr Peter Newmarch (SAGI President) Mr Sifiso Siwela (GSSA President), Prof. Rodney Jones (SAIMM Past President), Mr Nape Mojapelo (SAGC & Past President IMSSA) Past Presidents D C Andersen, U C Pfafferott and A J Bals.
It is noted that a quorum is present.

2. NOTICE OF THE MEETING

All attendees indicated that the notice of the meeting had been received in good time. D C Andersen and A J Bals proposed and seconded, respectively.

3. OBITUARIES

All attending observed a period of silence in remembrance of the passing away during the past year of Messrs:
Gert Bodenstein
Christ Strydom
W van Zyl
W van der Westhuizen

4. ATTENDANCE AND APOLOGIES

The President requested all members and guests attending the AGM to add their details to the attendance register.

The following details were recorded on the attendance register:

FELLOWS:

D C Andersen	G A Mokhitli
A J Bals	E Ramzan
T P Machaba	B Van Staden
G N Mojapelo	

MEMBERS:

S Byleveldt	S Morula
K Kaiser	J Prinsloo
R Kock	R Ramphore
D Mafoko	A Salima
B Maseko	K Schmidt
S Mdakane	MC Smith
B Mhlanga	T Tsotetsi
M Mkhwanazi	K Zitha

SENIOR ASSOCIATES:

T Fouche

VISITORS:

G A Topham
S Siwela (GSSA)
A Prinsloo
R Jones (SAIMM)
P Newmarch (SAGI)
M Mausso

Apologies were received from:

I McGill	K Govindsamy
B Du Toit	N De Bruin
U Pfafferott	T Tsotetsi
J Kerneck	

5. FINALISING THE AGENDA

VAT Registration to be added as 9.3, under Financial Report.

6. CORRECTIONS TO THE PREVIOUS MINUTES

Adjust page numbers.

7. MATTERS ARISING FROM PREVIOUS MINUTES

No Matters arising.

8. PROFESSIONAL ACTIVITIES

8.1. MRAC Task Team

R Kock reported that the review of Chapter 17 is part of the MRAC Task Team's mandate and that Chapter 2 needs to be reviewed as well, as it currently contradicts Chapter 17. A template will be distributed to all members for comment, in the near future.

8.2. SACAA Regulations Review

R Kock presented a report highlighting the Drone Operational Categories.

Please note – this is the Drone Operational Categories currently being discussed internationally – it is not yet in effect. In SA the drone industry and CAA have opened the discussion around the implementation of these categories and it will probably take a while before it comes into effect.

3 Categories = Open (Lower Risk) - Specific (Medium Risk) – Certified (Higher Risk)

1. Open – Lower Risk Operations

- Safety ensured through operational limitations & mass limitations
- Day operations, VMC, away from aerodromes, outside controlled airspace and VLOS
- Probably no ROC required, just basic Pilot Training
- Example = farmer flying own crops

2. Specific – Medium Risk Operations

- Risk based approvals from CAA following submission of a SORA (Specific Operations Risk Assessment)
- Some operations may still require a full ROC and RPL
- Example = maybe surveyor flying a stockpile (VLOS, Day)

3. Certified – Higher Risk Operations

- Full ROC, RPL – operation comparable to those for manned aviation
- Certification Standards for the Drone – currently being drafted
- Example = flying taxis, 200kg cargo drones

This is still very high level but it seems to be the way the world is moving at this time

8.3. SAGC: Notes for guidance for candidates wishing to register with SAGC

E Ramzan reposted that IMSSA Exco compiled a response to a request from SAGC EAC subcommittee for recommendations regarding the practical training required for registration. The revision was required to ensure consistency between Engineering, GISc and Mine surveying branches in respect of the number of days and content as well as to accommodate newly registered qualifications;

SAGC Council also recommended introducing a competency exam; interview and trail survey.

The IMSSA stance on this is it should not be mandatory if a candidate already fulfils this requirement to achieve a qualification or certification e.g. the MSCC.

9. FINANCIAL REPORT

9.1 Audit Report

The Treasurer GA Mokhitli reported that IMSSA has changed auditors from Genesis Chartered Accountants to NMN Chartered Accountants and that there was no audit report (July 2018 – Dec 2018), available for presentation, due to some complications encountered in previous audit figures. The audit manager, Stalin Mogakane is to present the reasons for not having the annual financial report available.

Stalin Mogakane reported the following reasons for not having the Annual Financial Statement available.

- No accounting software used.
- A trial balance and general ledger is required.
- No schedule was provided by Genesis, of the following items: Property, plant and equipment.

NMN recommendations:

- IMSSA to source a company to capture the accounting system, such as Pastel, for July 2018 – Dec 2019
- (18-month Annual Financial Statement) so that an audit report can be presented.
- IMSSA to keep a fixed asset register.
- Send the Admin Manager for training on the newly purchased accounting system.

Stalin Mogakane reported that although the Annual Financial Statement is not available, that a compilation report had been drafted.

A vote was cast on two proposals put forward.

- DC Andersen proposed that IMSSA get a qualified audit report for Jul 2018 – Dec 2018, as soon as possible, then call for a Special General Meeting in November 2018. Members in favour of this vote – 21 members.
- GN Mojapelo proposed that IMSSA accept the compilation and wait for the 18-month (Jul 2018 – Dec 2019) Annual Financial Statement. Members in favour of this vote – 8 members.

The votes are unanimously in favour of the proposal made by DC Andersen. It is therefore decided that IMSSA is to get a qualified audit report for Jul 2018 – Dec 2018, then call for a Special General Meeting in November 2018. This requires 15 members to call for the SGM no later than 14 days before the intended date.

9.2 Budget 2019 / 2020

GA Mokhitli presented the budget for Jan 2020 to Dec 2020, as is as follows:

Significant Items

- Operational Costs aside, the largest expense is Conferences & Colloquia. Justified by income generated;
- Source of income:
 - Membership Subscription;
 - Conferences & Colloquia;
 - Significant income from sale of books, however we've lost the sales of Geostats books

2020 Budget

EXPENDITURE	TOTALS
Salaries	R 323,839
SARS	R 81,038
Taxes (UIF)	R 3,568
Bonus	R 26,987
Remuneration	R 435,431
Temporary Staff	R -
Auditor's Fees	R 32,000
General office costs	R 60,000
Banking Fees	R 6,750
Travel - National	R 10,800
Operationg Costs	R 109,550
Newsletter costs	R 5,000
Journal costs	R 69,960
Technical Guideline update	R 36,000
Website Maintenance	R 18,000
Technical Committee	R 128,960
AGM, Conferences and Colloquia	R 337,971
Marketing and Development	R 52,000
Public Relations Committee	R 389,971
Call Account	R 120,000
Travel - International	R 45,000
Legal Advice & Discipline	R 50,000
EXCO	R 215,000
Gifts and awards and Raffle	R 5,630
Textbook Royalties	R -
Books	R 30,000
Post Graduate Bursary	R 125,000
Education Committee	R 160,630
TOTAL EXPENDITURE	R 1,439,541
REAL EXPENDITURE	R 1,319,541
SUPPORT SSC	5000

INCOME	TOTALS
Subscription income	R 426,114
Donations	R -
Raffle income	R -
Sale of assets & stock	R 94,620
Banking (Interest)	R 168,715
Journal subscriptions	R -
Branch income	R 140,000
AGM, Conferences and Colloquia	R 488,700
TOTAL INCOME	R 1,318,149

NET INCOME FROM MAIN CONTRIBUTORS	
PROFIT	TOTALS
Subscription income	R 426,114
Branch income	R 140,000
AGM, Conferences and Colloquia	R 150,729

Investment Policy

- To firstly protect Council/members capital and to secondly earn an acceptable income.
- To ensure Council has appropriate working capital funds available to carry out its Long-Term Plan, Financial Strategy and Core Objectives.
- To ensure that funds are immediately accessible in the event of a disaster or unexpected failure of infrastructure.
- To ensure that Council is able to meet its liability commitments as they fall due.
- To ensure that legally restricted funds are appropriately accounted for and invested so as to earn reasonable income towards their purposes. (Legally restricted funds fixed deposits)

The council's available funds will invested as set out below:

Interest Rate Risk and Term Profile

- There is a trade-off between availability of funds and interest rate risk. This policy accepts a greater degree of interest rate risk in order to have accessible funds.

Current Account Management

- The current account credit balance should not exceed the equivalent of six months running costs (R600 000 in 2019) for more than four continuous working days. Any excess amount should be transferred to 32-day call account.

32 Day Call Account

- The 32 days call account balance should not exceed the equivalent of 12 months running costs (R1 400 000 in 2019).

Fixed interest investment

- The remainder of reserves will be transferred to Fixed Deposit; this should be equivalent of 41% of total funds financial reserves. (currently R1 400 000).

- The emphasis is on capital protection rather than maximising returns. Nevertheless, returns should be maximised within the parameters of this policy.

Good News

- Positive Financial Year-end figures;
- Improved recovery of Membership Subscription.
- No increase in annual fee;
- Leica to sponsor R30 000 to a Best Final year Mine Surveying Student;
- Investment policy;

The following steps to implementing the investment:

- Establish who the IMSSA Trustees are;
- Open the money market investment account;
- Transfer funds accordingly

GA Mokhitli proposed the following items:

- That the SAMREC application be supported, by providing a contribution of R 5000.00, which is included in the Marketing and Development, within the set budget. DC Andersen and D Mafoko, proposed and seconded the proposal., respectively.
- Zero % increase in membership fees for 2020. GN Mojapelo and S Mdakane proposed and seconded the proposal, respectively.
- That IMSSA members accept the Budget for 2020. GN Mojapelo and S Mdakane proposed and seconded the proposal, respectively.
- The IMSSA roadshow to schools is included in the budget. Council is to put together a plan to do the marketing of the roadshow. AJ Bals and MC Smith proposed and seconded, respectively.

9.3 VAT Registration

DC Andersen stated that IMSSA would need to register for VAT. Funds over 1 million rand turn over makes IMSSA VAT liable, which means that IMSSA would have to register for VAT, where IMSSA is currently VAT exempt.

9.4 Appointment of Treasurer for 2020

GA Mokhitli introduced the newly appointed Treasurer for 2020, TP Machaba.

10. PRESIDENT'S REPORT

The President E Ramzan presented the annual report.

Welcome

Good Morning and thank you for attending the 97th Annual General Meeting of the Institute of Mine Surveyors of South Africa.

A warm welcome to all and in particular our members and sponsors and to all who support and contribute to the wellbeing of our institute throughout the year.

We, IMSSA express our thanks to the delegates from other organisations who have kindly sacrificed of their time to be here with us:

Mr. Peter Newmarch, President of the South African Geomatics Institute (SAGI);
Mr. Nape Mojapelo, Chairperson of the South African Geomatics Council (SAGC);
Mr. Sifiso Siwela, President of the Geological Society of South Africa (GSSA);
Prof. Rodney Jones, Past President of the Southern African Institute of Mining and Metallurgy (SAIMM);

Introduction

We often discuss what mining survey needs to do to adapt to remain relevant.

Be that as it may - The markets and economy, domestic legislation and social and environmental influences are the true drivers of change and business adapt to meet these challenges. Sometimes the change is due to strategic intent, but possibly more often it occurs organically within the organization. (Nothing new there. We know this).

What remains important is that we, survey remain abreast of what is happening and continuously scan the horizon for what is going to impact on us and what are the new disrupters. We need to use this to best influence decisions and avoid the prospect of becoming casualties.

I can confidently say there are some of my peers that have become very adept at this. The presentations featured yesterday are a good example of the being done in various aspects of geomatics. From influencing legislation till adopting appropriate technology and even creating unique solutions to unique challenges.

I will just share a bit of my journey over the past couple of months.

I have in the past attempted to establish GIS capability in survey departments where I previously worked.

At a very basic level GIS provides a platform to integrate graphics and information in a single accessible environment.

Now despite knowing this we are constantly frustrated with locating disparate information associated with a design or plan:

- Cadastral information associated with property and mining rights;
- Areas and volumes associated with mining and rehabilitation plans;
- Design specifications associated with engineering infrastructure;
- Contracts associated with outsourced work.

I or we have attempted to shoehorn a GIS role onto existing draughting personnel with limited success.

There are several reasons for this lack of progress. These range from the specific skillset required, pressure to meet operational commitments and downright simply force of habit.

Encouragingly I have also witnessed exceptions emerging.

There are sites where draughtspersons with prior IT experience and with the support from their Survey Managers have bridged this elusive divide.

What is important now, is for us to explore ways to replicate this.

It is also evident that with increasing integration of software and with software becoming more intuitive the division between independent draughting personnel for Survey, Geology and Engineering is likewise likely to become progressively vague. (Survey draughtspersons should be wary of this threat).

The 4th Industrial Revolution and how it will impact on mining survey is also topical.

We typically view such expressions as distinct from mainstream work and as something intangible being developed to be imposed at a point in time.

However, this is also happening and emerging organically. Its is often a case of being immersed in gradual change and you don't take a step back to reflect you are unaware of the change happening with and around you.

Once again there were really very good examples of this illustrated in the presentations yesterday.

There are businesses that are effectively harnessing the vast amount of spatial data already generated by autonomous and semi-autonomous mining equipment or adapting the equipment with appropriate sensors to dynamically update digital mine models; and

- These 3D rich models are in turn used for simulating events; and
- In the application of improved digital comply-to design graphic systems; and
- Real time analytics for more efficient decision making.

These are things that were spoken about in the not too distant past and I am excited to see materialising.

Potential challenges that I was told would be encountered, is that propriety software in some of the systems would make integration difficult.

In the mine planning sphere. A couple of years back available products were extremely inflexible. This was very restrictive in respect of time. It often took 3 months from the point of receiving a geological model to outputting a mining schedule.

There were no options for managers to select from and making any iterations were likewise time-consuming.

This was a big challenge to the underground narrow tabular orebody operations.

(To meet deadlines, we would edit figures in spreadsheets. The data would no longer correspond with the design. Poor corporate governance and not very prudent of me to admit).

There is now software being designed and or already available that automates most of the repetitive manual actions and information can be exchanged seamlessly to-and-fro between design and tabular output.

The time to produce a design and schedule is reduced to minutes and the product evaluates the schedule and updates your reserve inventory.

A next generation product, incidentally which has also been spoken about in the distant past already can include an engineering profile of trenches, ventilation ducts and cables and output a bill of quantities.

For completeness, I am going to include something that is closer to pure survey.

Companies have and are increasingly emphasizing removing people from risk, removing people from the coalface.

Notably this has surreptitiously become commonplace. Use of all manner of all remote sensing is increasingly mainstream. From permanently mounted scanners to RPAS.

Once again. Nothing I am sharing with you is new. It is just to emphasize being willing both to influence and to adapt.

The age-old argument will constantly raise its head: How will this impact jobs.

The reality, as in the past and as it will remain in future is that the need to work safer, cheaper, faster and more accurate will constantly influence our environment and it is merely a question of adapting.

The appreciation for spatial data, survey systems and grasp of the significance of data integrity places surveyors in good stead to manage and remain custodians of all spatial data.

The next threshold to overcome is to not only be the collectors and custodians of data but to evolve and ensure we specialise in interpreting data into the intelligence required to make decisions.

None of what I have shared is new. What is most interesting is in retrospect seeing how much of what has been shared and presented in the past is materialising and to emphasize being willing both to influence and to adapt.

Any practical technology that you are sceptical to at least investigate will be adopted by someone else.

There are some key items worth reflection:

- An appreciation that the survey qualifications needs to adapt to meet the challenges of this envisaged future. This is happening, with IMSSA also playing its part in contributing to this evolution;
- Recognition and acceptance that our roles are evolving, and we need to be able to adapt;
- Have the foresight to grasp the opportunity to provide a specialist service where opportunity arises.
- These include the expanding on our traditional services provided in movement monitoring and rehabilitation for example.

But even more so, to providing spatial detail for emerging technology such as Digital Twinning. Virtual simulating of the physical environment to emulate field conditions and highlight bottlenecks and potential risks prior to operational execution.

Overview of the activities

General

First and foremost, I just wish to say a big thank you to all Council and Branch Committee members. These dedicated people voluntarily sacrifice time and effort to the institute and the profession. Likewise, I wish to extend our thanks on behalf of IMSSA to all our steadfast sponsors.

Following, I am going to talk through the highlights of work done by each of the Branches and subsequently by Council and its sub-committees.

Branch Reports

North West Branch

The North West Branch conducted 3 meetings since the previous AGM.

There was an average of 66 attendees per meeting, a slight decrease compared to the previous year.

A host of enlightening presentations were given throughout.

The October meeting included a live drone demonstration by Johan Potgieter. A Golf Day was also hosted at Amandelbult Golf Club during May.

The June meeting was the AGM and committee members were nominated and appointed for the next year. A welcome addition to the committee was the appointment of Innocentia Makinita.

The branch paid in over R45 800 against the target of R30 000.

Limpopo Branch

The Limpopo Branch successfully hosted 3 meetings including technical visits.

These technical visits were:

- A Peer visit to Northam Platinum Booyendal Mine to see the state of the art and the first in the Southern Hemisphere "Rope Conveyor Site;
- The De Beers Venetia Mine tour and Peer Visit;
- University of Johannesburg - Gyroscope Special Lecture & Workshop by Professors – Wilhelm Heger & Hennie Grobler;

Of significance was an improved Women in Mining attendance and DMR presence at events and the quality of the content of technical material presented.

I would also like to compliment the Limpopo Branch Committee on the work done in establishing the branch and for becoming the trendsetter with hosting technical events.

Mpumalanga Branch

The Free State Branch held 3 meetings including their AGM with one meeting still to be held.

They are glad to indicate that previous financial governance shortcomings have been corrected and appropriate due diligence established.

The branch achieved the annual financial target with one more meeting to conclude.

The chairman is also proud to share some of the other improvements. An improvement in general administration and the hosting of meetings. Attracting an improved quality of technical presentations. Increased attendance to events, particularly younger members.

They are also proud to announce the first Mpumalanga branch female Chairperson, Nicolene De Bruin.

Free State Branch

The Free State Branch held 3 meetings including their AGM. All the meetings were accompanied by good technical presentations.

Two new members were elected to the committee, namely Levy Malekwa and Miss Kgolefelo Mashego.

The branch is excited at the addition of a young female member in the committee.

As a concern they mentioned their report the diminishing mining industry versus the number of students who graduate without getting experience and jobs.

The branch surpassed the financial target by depositing R55 200 in the coffers of IMSSA and still have R5290 cash on hand.

All Branches

All the branches wish to whole-heartedly extend their thanks to the members, mining companies, sponsors and presenters.

Committee Reports

Public Relations committee

The PR Committee started the year by arranging the President's Golf Day at the Krugersdorp Golf Club on 15 March 2019. The Institute raised R61 200, and this was thanks to all the sponsors, players, and donors of prizes. Turnout was 149 supporters with 108 players.

The next event is the current 2019 Colloquium and AGM at Cathedral Peak in the Drakensberg. We have ascertained, from our early Journals, that this will be the 97th General Meeting which makes the Institute 96 years old.

We have settled on 20 – 22 November 2019 as a preferred date for a two-day Botswana technical meeting, with day 1 at Morupule Colliery and day 2 the launch of the Botswana branch. Accommodation and the meeting will be based in the town of Palapye.

Further supporting work done for Council was:

- Considered response to Call for Evidence for the National List of Occupations in High Demand: 2020. However, the occupations Geomatician and Survey Technician are already registered as "highest demand";
- Application to be recognised as an RPO by JORC on behalf of the ASX, with all supporting documentation, and receipt acknowledged by JORC;
- Mandate to Prof Hendrik Grobler and recommended investigation topics for the ISM Presidium, receipt acknowledged by Prof Grobler;
- Various contributions to responses to SAGC, SAQA, and DMR;

Education committee

Salient points of items attended to by the Education Committee:

- Responded to a request from the Education Advisory Committee of the SAGC to make recommendations regarding the required practical training for registration in the Mining Survey portfolio;
- In similar vein, IMSSA also represented Mine Surveyors at a SAGC workshop on the introduction of additional competency examinations prior to Professional registration. IMSSA's official stance is that this is not required as we currently need to complete the GCC examinations with the DMR;
- Two meetings were held with the DMR regarding the re-structuring of the GCC examination process and the exemption of examinations for persons with the new Bachelor of Mine Surveying degree. This is still in progress and too early to give feedback;

- The UJ Master's Degree is in place and a suitable candidate will be identified. H Grobler will circulate an advert via UJ and IMSSA comms to invite eligible candidates to apply.

General Education Feedback:

The following are survey education items which IMSSA had no direct influence on but which the committee felt important I share in this report:

- "The Minerals Council will continue with the registering of learners to sit the examinations for the Chamber of Mines Certificates until such time that the qualifications are fully ready to be rolled out. This implies that the decision to discontinue intake from 31 March 2019 is no longer applicable.";
- The first group of 10 students will be eligible to graduate with the new Bachelor of Mine Surveying degree at UJ at the end of 2019;
- The associated Honours Degree: Mine Surveying has now been approved. The qualification will be offered commencing 2020;
- The Master of Sustainable Mining will be offered from 2020. Approval to offer has now been obtained. This is a flagship programme that is intended to develop research capacity in sustainable mining and contribute to the development of research and innovation in African mining. This degree will facilitate the training of a new generation of highly qualified scientists and engineers for South African industry and the higher education sector.

Survey Drafting Certificate:

Emphasize once more: A three-year GIS Diploma offered through ESRI was proposed and accepted by the Education Committee as a replacement for the COM Drafting Certificate. ESRI is accredited by SAGC to provide this qualification. Further details will be published on the website.

Technical committee

Promotional video

The IMSSA survey promotional video is complete and we are arranging to view it.

Review Membership categories

All membership categories were reviewed to reduce any ambiguous criteria. This was particularly necessary to appropriately cater for applicants with qualifications from outside of South Africa.

Development of Technical content

A UJ graduate will be identified, who will be willing for a small remuneration to assist with the development of technical content for publications such as the Technical Procedure Guideline and Storrar.

A similar arrangement is proposed for the Journal. A graduate to be employed part-time to liaise with subject matter experts to assemble material for publication.

Exco Strategy

Finance

Comprehensive detail will be provided in the Treasurers report.

Succession Planning

Branch chairpersons are first option to be nominated for Council vacancies. Alternatively, where the chairpersons are not prepared to stand, they are encouraged to nominate eligible persons from their branch committee.

Education

Covered under Education Committee

Legislation

IMSSA are participating as part of a task team contributing to the revision of chapter 17 of the MHS. The IMSSA delegates are concerned about other chapters that impact on survey that were covered by MRAC prior to consultation with or comment from survey representatives.

Of key concern are chapter 2 of the regulations, which deals with appointments and the draft of chapter 15, which deals with the commission of examiners.

Response is awaited for a letter of objection to the draft of Chapter 15 which was submitted to the office of MRAC convener of employers.

V Mahwasane is chairing the revision of Chapter 17 and it is anticipated that this should facilitate a line of communication with the DMR.

New Technology

Projection and coordinate system

It is the opinion that there are unlikely to be any changes made to the Projection and coordinate system following submissions and comments invited by The Chief Directorate: National Geo-spatial Information on proposed changes. IMSSA is awaiting feedback in this matter.

Professional Status

SAGC

IMSSA Exco compiled a response to a request from the SAGC EAC subcommittee requested recommendations regarding the practical training required for registration.

I will cover this in a short 2 slide presentation later.

SAQA

A decision was made not to include Mine Survey designations lower than Associate Mine Surveyor. However, suggests investigating accommodating GIS/Draughting personnel.

ISM

H Grobler is registered to attend the ISM meetings in September 2019.

He will be representing both UJ as well as IMSSA.

11. **INDUCTION OF THE NEW PRESIDENT FOR 2019/2020**

E Ramzan introduced GA Mokhitli as the President for 2019/2020, with a brief bio-sketch.

Gaopaleloe Mokhitli

BIOGRAPHICAL SUMMARY

Gaopaleloe Mokhitli also known as Gaopi has over 19 years' experience in the mining sector, where she started her career as a learner surveyor and today holds the position of Survey manager at Sasol Mining. She started her career in 2000 at Anglo Coal, then went to further it in 2005 at BHP Billiton where she served as a Senior surveyor. She took up the role of a Lecturer at the University of the Witwatersrand from 2006 until 2008. She then returned to mining during November 2008 where she served as a Senior surveyor at Shanduka Coal. She left Shanduka Coal in 2009 for Sasol Mining where she is currently working at Brandspruit Colliery.

Gaopi holds a National Diploma in Mine Surveying and NhD in Mineral Resource Management from Witwatersrand Technikon; she also holds a Graduate Diploma in Engineering and a Master's Degree in Engineering from the University of Witwatersrand; she recently got her Post Graduate Diploma (PGDIP) in Business Administration and is currently completing her Master's in Business Administration (MBA) at the University of Pretoria, GIBS.

Gaopi successfully completed and obtained her Mine Surveyors Certificate of Competency in 2010 while working at Sasol Twistdraai Colliery.

Gaopi has served on various committees as a council member with the South African Geomatics Council and as a member of the Institute of Mine Surveyors. She has also been instrumental in making women in mining a force to be reckoned with as one of the founding members of the Women in Mining Forum at Sasol.

Gaopi is a single mother to a beautiful 16-year-old daughter Rethabile who completes her life. She loves cooking, traveling. she believes to succeed, "one's vision has to be bigger than their memory".

12. INDUCTION OF THE NEW VICE-PRESIDENTS

12.1 Senior Vice-President

GA Mokhitli introduced TP Machaba as the Senior Vice President for 2019/2020, with a brief bio-sketch.

Thabitha Machaba

BIOGRAPHICAL SUMMARY

Thabitha Machaba is currently appointed as a Survey Manager at Sibanye-Stillwater Plc. In 2018 She attained her Master's in Business Leadership Degree (MBL)- she majored in corporate governance, her thesis topic was "The relationship between transparent organisational communication, organisational learning and the risk of conflict of interest".

She holds a National Diploma in Mine Surveying, NHD Mineral Resources Management, Btech Degree in MRM and completed her Junior Manager Program with Wits Business School.

After graduating at the University of Johannesburg (WITS Tech) she joined the gold division of Anglo American before subsequently moving to the platinum division. She has fulfilled many different roles within the Mine Survey discipline in both platinum and gold. She was the first woman in South Africa to obtain the Mine Surveyor's Certificate of Competency. Among Thabitha's contributions has been her tireless service in related organisations within the Mining and the Geomatics fraternity. In 2015 She was appointed by the Minister of Rural Development Land Reform to serve as a Board Member on the South African Geomatics Council SAGC (previously PLATO), she is a Council Member of the Institute of Mine Surveyors of South African (IMSSA), and serves as the chairperson of the Technical Committee. Other responsibilities include serving on the Lonmin Masakhane Provident Fund board as a board member and former chairperson of the Procurement Committee.

She's an advocate of women in mining and serves in different committees that empowers and advances the role of women in mining.

She's a seasoned golfer and is the current SKX President Cup Champ and Klear Vision Chairlady's Cup Champ. And she has bagged few longest drive prizes, she tries to keep her ball on the fairway.

She's a fitness coach and is available and willing to assist everyone sitting here to reach their fitness goals.

She enjoys boxing and road running.

12.2 Junior Vice-President

GA Mokhitli introduced TP Machaba as the Senior Vice President for 2019/2020, with a brief bio-sketch.

Sybrandt Byleveldt

BIOGRAPHICAL SUMMARY

Sybrandt Byleveldt is an experienced Chief Mine Surveyor with a demonstrated history of working in the mining and metals industry.

Sybrandt is a strong professional who holds a bachelor's degree of Technology focused in Mineral Resource Management from the University of Johannesburg. He obtained his Mine Surveyor's Certificate of Competence in 2008 and has since been legally appointed at various mines.

His experience is related to Platinum (which includes Merensky and UG2 reef types) and Chrome in both the Western and Eastern Bushveld complexes.

Sybrandt's career commenced at Anglo Platinum's Amandelbult section where he was involved in the first trackless project, as well as a UG2 expansion project at Dishaba Shaft. He was afforded the opportunity to move and work between all the sites gaining exposure in all aspects of mine surveying, mining methods and MRM disciplines.

Following Anglo Platinum, Sybrandt was employed by Samancor Chrome where he was mainly responsible for the Survey and Planning department, and later the MRM department. During his employment, he gained experience in the broader field of MRM which included the Rock Engineering, Survey, Planning, Ventilation and Geology Departments. One of Sybrandt's greatest achievements during his employment with Samancor, was the successful conversion of 8 mining rights from Old Order to New Order Mining Rights. In addition, he played a critical role in designing and developing the Buffelsfontein Mine, as well as two new portals with incline shafts, including the design and implementation of the Mooinooi Deepening project.

Sybrandt is currently employed by Royal Bafokeng Platinum as the Chief Surveyor for the Styldrift operations and projects, which mainly involved the sinking and equipping of two vertical shafts. His main responsibilities as Chief Surveyor included all surface construction, shaft sinking, shaft equipping, head gear equipping, all civil construction, all infrastructure - underground as well as surface, the implementation of systems from ground zero to achieve operational readiness, the implementation of 3D scanning and profiling technology, underground sampling and grade control systems. Sybrandt has successfully established the survey department and implemented systems to support steady state production. Sybrandt's passion for the survey profession resulted in him being actively involved at the North West Branch. He served as a committee member followed by his appointment as Vice Chairman, and later Chairman from June 2015 to June 2017. He currently serves as a member of the North West branch committee as well as council and actively participates in the matters of the profession.

In addition to his passion for his survey career, Sybrandt restores old land cruisers. He is currently busy with a 1973 Land Cruiser FJ45 which should be completed by the end of the year. Sybrandt was born and raised in Rustenburg and is married to Anita. He has three talented children - two sons and a daughter.

12.3 A word from the new President

Honourable Past-presidents, our VIP guests, the institute members and our valued industry partners, welcome to a special 97th Annual General Meeting. Among the experiences I've been through in my life today is by far the event that have filled me with greater anxieties. When I woke up this morning I thought to myself, wow this is it, the young girl from the dusty streets of Ikageng, a small township outside of Potchefstroom is making, history, I'm been inaugurated as the First female President for an institute that has been for the past 96years been led by strong Men. The recent spells of Gender Base Violence in our country has highlighted that women are still subjected to a high rate of oppression and their potential is seen to be a treat or rather a privilege by most men. I am therefore honored to know that my fellow colleagues are not intimidated by my potential and it's my great pleasure to step up to accept this great and daunting task. Thank you for the trust you have placed in me, I plan to do you proud. Can I also take this moment to acknowledge our first female Branch Chairperson Nicolene De Bruin, Congratulations!!! I wish you well in your term. It's evident that the Institute is transforming as you can see my SVP is also a woman, Thabitha Machaba congratulations. I've accepted while women worldwide are closing the gap in critical areas such as health and education, significant gender inequality persists in the workforce and in politics. Given current rates of change, 2017's Global Gender Gap Report estimates that it will be another 217 years before we achieve gender equality. With that said we should never forget that Kofi Annan once said that "gender equality is more than a goal in itself. It is a precondition for meeting the challenge of reducing poverty, promoting sustainable development and building good governance."

Transformation is been a controversial topic in South Africa, it's been measured with numbers but the numbers are meaningless if transformation is not transparent and sustainable, Transparency is key, active succession planning is important, but courage is crucial if South Africans, of all colours and beliefs, are to build a winning nation. There is no doubt in my mind that more can be done and it need to be done urgently. It is encouraging, however, that institutes such as IMSSA are confronting the diversity challenge, and transforming. Including diversity in its many forms creates a powerful source of new ideas and the ability to approach business needs from a unique point of view. Diversity in thought is a key component to any high-performing organization. An issue that threatens our succession plan is that there has been a drastic reduction to none existence of bursaries from corporate for mine surveyors. With the state of our economy we're going to find

ourselves with a challenge of shortages of Mine Survey Graduates. As we move forward as an institute may we remember the words said by Michelle Obama and I quote “when you’ve worked hard and done well and walked through that doorway of opportunity, you do not slam it shut behind you. You reach back and you give other folks the same chances that helped you succeed” close quote

The world is changing at an exponential rate and it does not need your permission to change, it is changing faster than the education system, the technology is changing faster than regulations, The Fourth Industrial Revolution has brought about a new challenge, are we ready as Mine Surveyors for these changes? University of Johannesburg is been working had to get us ready for all these changes and these are some of the developments

- ✓ Construction of a mine training tunnel that will include virtual reality experiences within the mine
- ✓ They have obtained
 - 5 HTC VR headsets
 - 10 Oculus RIFT VR training headsets
 - 3 Hololenses for undergraduate training and research purposes.
- ✓ Laser scanning and drone surveying is now part of the curriculum.

I’m am therefore happy to announce that UJ will have its first batch of Bachelor: Mine Surveying students to graduate at the end of this year. The Bachelor of Mine Surveying: Honours has now been approved by SAQA and will be offered for the first time in 2020. The Master’s degree in Sustainable Mining has also been approved and the first students will be registered in 2020. But we need much more than education to adapt to the change. We need to reinvent how we do things and how we live together. This radical change challenges the younger generation to possess new kind of skills, skills that many of they are still misunderstood. We need to include emotional intelligence, intercultural sensitivity, creativity, problem formulation (rather problem solving), economic citizenship, empathy, adaptability and resilience.

These skills are hard to be taught. The solution lies in shifting our mindset of traditional learning to enabling the processes that create these skills. We need to create global and appropriate opportunities to unlock creativity, to embed empathy, to question and challenge our own assumptions. This design-led approach to education changes the narrative from education as something that is received from outside to something that is generated by experience.

“Challenge is the pathway to engagement and progress in our lives. But not all challenges are created equal. Some challenges make us feel alive, engaged, connected and fulfilled. Others simply overwhelm us. Knowing the difference as you set bigger and bolder challenges for yourself is critical for your sanity, success and satisfaction” – Brandon Burchard.

As we all journey into the New Year with the different challenges that we face, may the challenge of continuing to make our institution relevant in the present and in future drive us, keep us engaged and alive so we can realize successful outcomes. As I offer myself to be your servant leader, I invite you to walk this journey me, for I cannot do it alone, I AM BECAUSE WE ARE. I thank you.....

13. ELECTION OF COUNCIL MEMBERS FOR THE FORTHCOMING YEAR 2019/2020

13.1 Immediate Past President

E Ramzan

13.2 Past Presidents

G N Mojapelo, D C Andersen, U C Pfafferott and A J Bals accepted the invitation to serve on Council as Past Presidents.

The 4 Ex Officio Council members are:

DC Andersen

G N Mojapelo

A J Bals

U C Pfafferott

13.3 Branch Representatives

It is noted that the representative for the Branches are as follows:

- Northwest Branch – S Mdakane

- Free State Branch – C Radebe
- Mpumalanga Branch – N De Bruin
- Limpopo Branch – D Mafoko / L Komape

13.4 Council Members

For the information of the members, as per the Constitution, all Council Members have resigned and have signified their willingness for re-election to Council for the 2019/2020 session.

The Council members who have signified their willingness to offer themselves for re-election to Council for 2019/2020 are:

I McGill
S Morula

E Molefe
MC Smith

Thus leaving 5 positions available on Council.

Nominations put forward from the Members present to fill the 5 vacant positions on Council are:

T Tsotetsi
L Mokonyane
K Schmidt
S Mdakane
R Kock

E Ramzan and TP Machaba proposed and seconded the nominations, respectively.

Council for 2019/2020 is as follows:

President:	G A Mokhitli
Senior Vice-President:	T P Machaba
Junior Vice-President:	S Byleveldt
Immediate Past President:	E Ramzan
Past President:	H Grobler
Ex Officio Past President:	D C Andersen
Ex Officio Past President:	A J Bals
Ex Officio Past President:	G N Mojapelo
Ex Officio Past President:	U C Pfafferott

Council Members:	R Kock
	I McGill
	S Mdakane
	L Mokonyane
	E Molefe
	S Morula
	K Schmidt
	M C Smith
	T Tsotetsi

Branch Representatives:	S Mdakane	(Northwest)
	C Radebe	(Free State)
	N De Bruin	(Mpumalanga)
	D Mafoko / L Komape	(Limpopo)

14. AWARDS

Mr Mogobo Semenya a student at the University of the Witwatersrand was awarded the IMSSA award for the Best Mining Student in Surveying in May 2019.

15. GENERAL

15.1 Future AGM Proceedings

DM Mafoko proposed that IMSSA take the AGM to the branches.

GA Mokhitli proposed that the Presidents' induction be done at the AGM Dinner.

T Tsotetsi proposed that the AGM Dinner be held on the Wednesday evening.

15.2 New Branches

AJ Bals reported that the Botswana branch inaugural meeting is to be held in November 2019. The meeting should be a 2-day trip and a bus will be arranged for members of IMSSA, to travel to Gaborone.

E Ramzan reported that the President of the GSSA shared information on the establishment of their Northern Cape branch, and prosed that IMSSA also look into establishing a Northern Cape branch.

15.3 Venda University

GA Mokhitli proposed that IMSSA assist the Venda University, in terms of having their qualification in mine surveying accredited.

16. CONCLUSION

The President thanked the special guests and members for their attendance and contributions toward making the 97th Annual General Meeting a success.

The meeting closed at 13h10.

PRESIDENT:



DATE: 26 February 2020
