



SAIMM
THE SOUTHERN AFRICAN INSTITUTE
OF MINING AND METALLURGY

Annual Report and Proceedings 2021

of the
Annual General Meeting

Thursday, 12 August 2021 at 12:00 via Zoom

**Developing the
mining industry's
future leaders...**





Proceedings, 124th Annual General Meeting, 2021

The 124th Online Annual General Meeting of the Southern African Institute of Mining and Metallurgy was held online on Thursday 12 August 2021 and started at 12:01.

Welcome

The incoming Junior Vice President Elias Matinde, extended a special welcome to all the guests attending the online Annual General Meeting and advised that if they had any questions they may post them in the 'question and answer' tab which would then be addressed during the proceedings.

Elias Matinde also extended a special welcome to the representatives of our sister institutes and other associations, and also to the recipients of awards, senior members of industry, Honorary Life Fellows, Past Presidents, our members, and other guests, among them the following:

Geological Society of South Africa

Tanja Marshall, *President*

South African Council for Automation and Control

John Burchell, *President*

South African Council for Natural and Scientific Professions

Gerda Botha, *President*

South African Institute of Electrical Engineers

David Lokhat, *President*

Past Presidents attending

Nic Barcza	Joshua Ngoma
Larry Cramer	Rod Pickering
Roger Dixon	Jim Porter
Andrie Garbers-Craig	Don Ross-Watt
Rodney Jones	Gordon Smith
Gys Landman	Willem van Niekerk
Selo Ndlovu	

Minutes

The minutes of the previous Annual General Meeting, published in the September 2020 issue of the *Journal* and sent to all members, were proposed by Russell Heins and seconded by Dr Rodney Jones.

Obituaries

Zelmia Botha announced the passing, during the year, of the following members.

Honorary Life Fellows

Ferdi Camisani-Calzolari, George Nisbet (a Past President in 1981/1982)

Fellows

Michael Martinson, Navin Singh, Mpho Tlala

Member

Anthony Bagnall

In memory of the deceased and in sympathy with the bereaved, everyone observed a moment of silence.

Honorary Life Fellowship

Zelmia Botha: Honorary Life Fellowship is awarded by the Council to Corporate Members of the Institute who have rendered outstanding service to the Institute over many years. It is my pleasure to announce that the Council has decided to award Honorary Life Fellowship to:

- *Willem van Niekerk*, for his outstanding service to and support of the SAIMM over many years.

Brigadier Stokes Memorial Award

Zelmia Botha: The Brigadier Stokes Memorial Award was instituted in 1980 in commemoration of the outstanding contribution that Brigadier R.S.G. Stokes made to the South African mining and metallurgical industries over many years. Its first recipient was Harry Oppenheimer.

'The Brig', as he was commonly known was, according to one biographer, 'a remarkable and resilient man with a superior intellect, inexhaustible energy and an insatiable curiosity, who travelled widely and had many friends'.

It is indeed therefore fitting that the award is made this year to Neal John Froneman as he, in addition to displaying these attributes, has brought a notably entrepreneurial and technically innovative approach to mining in South Africa.

Neal John Froneman *was nominated by Alex du Plessis* who then read the citation.

Alex du Plessis: Neal was born in 1959 in Johannesburg, where he grew up. He matriculated from Northcliff High School, and studied mechanical engineering at the University of the Witwatersrand, graduating in 1981 with a BSc Mechanical Engineering degree in the Industrial Engineering option.

In 1982 Neal was drafted into the South African Air Force for national service and completed officers' training, finally achieving the rank of Captain. This phase, together with his childhood dream of becoming a pilot, has resulted in Neal still actively aviating today as both a fixed wing and helicopter pilot.

Neal also used his time in the Air Force to complete the first two years of a four-year BCompt degree from the University of South Africa, which he studied by correspondence.

During his full-time engineering degree, he displayed an entrepreneurial flair for buying and selling all manner of vehicles, from cars to boats, and servicing them. He also raced them, and was apparently blindingly quick in his hotted-up Datsun 1600 SSS. He was able, through his various business ventures, to largely support himself financially throughout his studies.

Neal has always demonstrated a keen ability to recognize value where others don't, an ability that extends to people. Those who work with and for him regard him as a supportive and empowering leader who encourages his colleagues to develop to their full potential and, in many cases, to recognize and exploit latent talents that they didn't know they had.

Neal was a Gold Fields bursar, so after his national service he started his Junior Engineer internship working on Libanon and Deelkraal gold mines, obtaining his Engineer's Certificate of Competency for Mines and Works and registering as a Professional Engineer.

Neal was attracted by the appointment of Brian Gibertson to Genmin in 1989, where he took on a number of roles including project management, consulting mechanical engineer for GenGold, and business development in West Africa. As Consulting Mechanical Engineer Neal introduced multi-skilling to the mining industry and led the implementation of the concept. He also embarked on obtaining a Mine Manager's Certificate of Competency, and remains one of only a few engineers to hold both engineering and mining certificates of competency.

Neal then joined long-time colleague from GenGold, Bernard Swanepoel, at Harmony Gold Mining Company as Operations Director. During this period Neal and Bernard developed and implemented the 'Harmony Way' based on reducing the number of management levels and empowering people down to the working face. Critical to the implementation of the Harmony Way was a much more commercial approach to mining and mineral resource management. Aspects of this method of management are still in use at Harmony and have been applied by many other mining companies in South Africa.

Neal was subsequently head-hunted by JCI Limited, where he assumed the role of Technical Director. He was not happy with the then corporate governance aspects of the company and after only five months joined the new Gold Fields, which had merged with GenGold, as Vice President and Head of Operations for the Kloof Division, which included the historical mines of Venterspost, Libanon, Leeudorn, and Kloof. Kloof remains in production today under Neal's stewardship as part of the Sibanye-Stillwater portfolio.

Neal later established Sibanye-Stillwater's gold division head office at Libanon Mine – something that he likens to describing a full circle and returning home.

In April 2003, he was appointed CEO of Aflase Gold which, through a series of reverse takeovers, became Gold One International in May 2009. He was primarily responsible for the creation of Uranium One, which was incorporated from the Aflase Gold uranium assets.

A notable achievement during this period was the commissioning of the Modder East Gold Mine, the first new mine to be established in the East Rand for about 30 years. Neal's approach to new technology (assisted by Turgis Consulting) was given full rein in the design of this mine, which has trackless access to footwall infrastructure and uses the then-novel technologies of water-powered rock drills and emulsion explosives. The design also incorporates a vertical shaft dedicated to the transport of personnel, thereby separating the movement of people from that of rock, with significant safety benefits. Neal has always shown a great interest in new technology, both personally and professionally, and has demonstrated a knack for identifying technological strengths and weakness appropriately and employing them in situations where they can yield the most benefit.

Another new mine built under Neal's leadership was Uranium One's Dominion Reefs project, which incorporated trackless access declines, and narrow-reef breast stopping. Dominion Reefs was placed under care and maintenance in 2008, due largely to a slump in the uranium price. Neal still regards the closure of this mine and its later sale as one of his greatest disappointments.

Neal remained CEO at Gold One until his appointment to the position of Executive Director and CEO at Sibanye Gold, which was formed at the beginning of 2013 when Gold Fields combined its Kloof, Driefontein, and Beatrix assets into the new company.

Between 2013 and 2016 Neal focused on transforming Sibanye Gold into a dependable and industry-leading dividend payer with a credible operating base.

The company then embarked on a visionary expansion phase, acquiring over the next four years the assets of Lonmin, Anglo American Platinum's Rustenburg operations, Aquarius Platinum, and Stillwater in Montana USA. The company was renamed Sibanye-Stillwater, and is currently the number one global producer of platinum, rhodium, iridium, and ruthenium, and number two to Norilsk Nickel in palladium. The Stillwater acquisition transitioned Sibanye-Stillwater into a leading global precious metals producer, being number three internationally on a gold equivalent basis. Interestingly, Sibanye-Stillwater is the biggest taxpayer in Montana, indicating its leading mining position. Sibanye-Stillwater also holds a controlling stake in DRD.

The benefits of these mergers have not only been the obvious financial ones, but have extended to the fields of technology and the adoption of the best global practices in managing the environmental and societal impacts of mining.

In May 2016, Neal was elected to serve as Vice President of the Minerals Council of South Africa.

While Neal's official view is that he is currently concentrating on bedding down the Sibanye-Stillwater merger and confirming the company's position as a reliable dividend payer, mining people around the world are looking expectantly to see what this dynamic mining entrepreneur and worthy recipient of the Brigadier Stoles Memorial Award for 2021 gets up to next.

Neal is married to Roz (who he describes as being the person who has had the most influence on his career), and they have three children, two of whom also work with Neal at Sibanye-Stillwater.'

Zelmia Botha: Mr Froneman is currently in the USA, his medal could not be presented to him before the AGM. We recorded his acceptance speech prior to the AGM which was played.

Presentation of awards, medals and certificates

Elias Matinde: announced the following awards, medals and certificates. Arrangements was made to have the medals and certificates couriered to the recipients, and in some cases, they have requested the opportunity to receive them at various events, when it is safe to do so again.

50-year membership awards

(with effect from 1 July 1970 to 30 June 1971)

Some of these awards would be made to the recipients at their homes.

- Christopher Davies
- Hugh Hart
- Christiaan Hattingh
- Marthinus Mulder
- Christopher Roper
- Donald Ross-Watt
- Wally Waldeck
- Graham Walker

Gold and Silver Medals

All Transactions published in the *Journal* from March 2020 to February 2021 by members of the Institute were considered.

Gold medals

Gold medals are awarded for papers that are of a world class standard and judged to be publications that will become key reference in their mining or metallurgy field in the future.

Gold medal were awarded to:

Z. Levinson and R. Dimitrakopoulos, for their paper published in the March 2020 issue of the *Journal* entitled: 'Adaptive simultaneous stochastic optimization of a gold mining complex: A case study'.

As non-member Z. Levinson will receive a certificate of merit.

Silver Medals

Silver medals are awarded for papers which make a major contribution to the professions of mining and metallurgy and to the prestige of the Institute.

Silver medals were awarded to:

J.N. van der Merwe, for his paper published in the June 2020 issue of the *Journal* entitled: 'The development of a time-based probabilistic sinkhole prediction method for coal mining in the Witbank and Highveld coalfields'

and

A. Nieto and J.F. Medina, for their paper published in the July 2020 issue of the *Journal* entitled: 'Development of a socio-economic strategic risk index as an aid for the feasibility assessment of mining projects and operations'.

As non-member J.F. Medina will receive a certificate of merit.

Presentation of Student Prizes

Elias Matinde: announced the student winners of the SAIMM Prestige Prizes. These are students judged by their departments to be the best final-year students in 2020.

University of the Witwatersrand

Metallurgy	Sibongiseni Mkhonta
Mining	Minenhle Khumalo

University of Pretoria

Metallurgy	Yathi Matabadal
Mining	Thobeka Cebekhulu

University of Johannesburg

Metallurgy	Alex Seya
Mining Engineering	Omphemetse Mooketsi

University of Stellenbosch

Mineral Processing	Sune M. Annandale
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IMPC YOUNG AUTHORS AWARD

The Young Author Awards are given for the most outstanding papers presented where the main author is under 35 years of age at the date of the Congress. IMPC awards ten such prizes, with the winners acknowledged formally at the IMPC Congress. Due to the cancellation of the IMPC 2020 Congress in South Africa it was agreed that the winners should be acknowledged at the SAIMM AGM, and the awards will be presented at the 2022 IMPC Congress in Melbourne Australia.

Paulina Vallejos Aravena	Chile
Michael Klichowicz	Germany
Tiaan Punt	South Africa
Daniel Lay	Australia
Diego Mesa	United Kingdom
Túlio Moreira Campos	Brazil

SAIMM 5 Star Incentive Programme

The SAIMM 5 Star Incentive Programme was introduced in 2015 to thank members who contribute to the growing membership of the SAIMM and to provide additional benefits to Fellows and Members of the SAIMM.

The Top 5 proposers are:

Elias Matinde, Vhangani Netshivhangoni, Kondwani Banda, Russell Heins, Rodney Hundermark.

The Top 5 referees of papers published in the Journal

Markus Erwee, William Joughin, Lesley Cornish, Steven Rupprecht, Marek Dworzanowski, Andrew Kinghorn.

There is no single author who submitted and published the most number of papers in the *Journal* this year.

The Top advertiser in the Journal

The award for the most supportive advertiser in the *Journal* was made to Elbroc Mining Products. CEO Gary Roach received the award on their behalf before the AGM.

Annual Report and Accounts

Vaughn Duke presented the Annual Report.

Accounts

The Honorary Treasurer, William Joughin, presented the financial statements, which are reproduced in the Annual Report in this edition of the *Journal*, were adopted and proposed by Shadvin Kalombo and seconded by Mark Mohring.

Office Bearers and Members of Council for 2021/2022

Zelmia Botha announced the Office Bearers for the ensuing year, elected by the retiring Council in accordance with Clause 3.5 of the Constitution, and By-law B5.2 of the Constitution:

President	Isabel Geldenhuys
President Elect	Zelmia Botha
Senior Vice President	William Joughin
Junior Vice President	Elias Matinde
Immediate Past President	Vaughn Duke
Honorary Treasurer	William Joughin

In terms of the election of ordinary members of Council (Clause 3.5.7 of the Constitution and By-law B2.1), there were fourteen vacancies.

However, By-law B3 states *Should the list of nominees for 14 (fourteen) members to be elected to the Council not include the names of as many members as are required to fill the vacancies on the incoming Council, the outgoing Council shall, after scrutiny of the ballot list, nominate eligible Corporate members to complete the list and the members thus nominated shall be declared elected at the next AGM.*

The following members have been ratified by the outgoing Council and are now declared elected.

Zohreh Fakhraei	Bongi Ntsoelengoe
Bekir Genc	Steven Rupprecht
Katlego Letsoalo	Sam Spearing
Sethabile Madolo	Michael Solomon
Felix Manyanga	Simon Tose
Tshepo Mmola	Andrew van Zyl
Godknows Njowa	Jeanne Walls

In terms of By-law F5.2 and F5.3 of the Constitution, the Chairpersons of the Branches are as follows:

Johannesburg	Danie Jensen
Namibia	Nikowa Namate
Northern Cape	Jaco Mans
Pretoria	Sezer Uludag
Western Cape	Alan Nesbitt
Zambia	Darius Muma
Zimbabwe	Clara Sadomba
Zululand	Christo Mienie

The Chairperson of the South African National Council on Tunnelling (SANCOT) is Ron Tluczek. These Chairpersons will serve as *ex-officio* members of Council.

In terms of By-law I, which governs the Young Professionals Council, Clause I4.1 states that the affairs of the YPC shall, subject to the control of Council, be managed by the YPC members.

The Office Bearers of the YPC are:

Chairperson:	Adrian Chinhava
Vice-Chairperson:	Antony Mello
Secretary:	Kondwani Banda
Treasurer:	Adelaide Moganedi
Immediate Past Chairperson:	Shepherd Manjengwa

The Chairperson and Vice-Chairperson will represent the YPC on the SAIMM Council.

Clause I4.4.6 states that the YPC must consist of a minimum of 14 and a maximum of 18 members who are 35 years old and younger. The following members have been elected, and ratified by Council:

Connie Chijara	Cynthia Malatji
Tinashe Chikomo	Graham Marsden
Rj Coetzee	Vision Musapingura
Unali Hall	Simone Naicker
Himeezembi Hengari	Sihsenko Nhleko
Katlego Kekana	Sancho Nyoni
Rodric Kemane	Dineo Rachidi

The following Past Presidents have signified their willingness to serve on Council for the ensuing year:

Nic Barcza	Selo Ndlovu
Richard Beck	Jim Porter
Roger Dixon	Rams Ramokgopa
Henry James	Mike Rogers
Rodney Jones	Don Ross-Watt
Alastair Macfarlane	Gordon Smith
Mzila Mthenjane	Willem van Niekerk
Cuthbert Musingwini	

Elias Matinde thanked those Past Presidents who indicated that they cannot serve on Council for the next year, for all their time, effort, and dedication in the past.

He also thanked the Past Presidents for their continued support. He congratulated all those elected, and thanked those who agreed to serve another term of office.

Declaration of Honorary Vice Presidents of the SAIMM for the 2021/2022 Session

The SAIMM has a long-standing arrangement of inviting the Ministers of the Departments of Mineral Resources and Energy, Higher Education, Science and Innovation, and Department of Trade, Industry and Competition to serve as Honorary Vice Presidents.

These positions are intended to create closer collaboration between our organizations so that we may better serve the needs of our members and the industry. These positions will be filled as follows for the period 2021/2022 by:

Minerals Council South Africa	Ms Nolitha Fakuda
Department of Mineral Resources and Energy	Minister Gwede Mantashe
Department of Science and Innovation	Minister Blade Nzimande
Department of Trade, Industry and Competition	Minister Ebrahim Patel

Election of Auditors and Honorary Legal Advisers for the year 2021/2022

Johan Nieuwmeijer proposed and seconded by Russell Heins, and it was agreed, that Genesis be appointed as Auditors for the coming year and that Scop Incorporated be appointed as Honorary Legal Advisers.

Outgoing Presidential Award

The out-going Presidential Award which is a commemorative plaque that marks Vaughn Duke's year in office has been delivered to him.

Vaughn Duke: Good afternoon everyone.

'Thank you very much for this award, but to be honest, it has in fact been my honour to serve you all as the President of your Institute over the past year. The award, which is here in my office, was handed to me by Sam Moola and when I look at it, I can't help but think of all the meetings, presentations, and phone calls over the past year.

As promised at the start of the period, Office Bearers have worked hard to ensure that we remain useful and relevant to our members, our minerals industry, and the countries within which we all operate.

I wanted to spend more time on highlighting the importance of ethics and ethical leadership during the course of my tenure, but this was not to be. The bulk of my attention was directed on ensuring firm progress on the long-overdue and necessary change within our Institute that we have been talking about over the last few years. At this point, I am pleased to note, that we have firm traction with plans that are now taking shape.

However, none of this would have been possible, if it were not for the hard and diligent work of Sam Moola and her team. This team has adapted to a new way of working, which entailed moving away from working in silos to a more coherent, multi-skilled matrix-style approach. They are now able to more efficiently step in and support one other, which ensures continuity and higher levels of performance.

Together Gugu Charlie, Camielah Jardine, Tshepiso Letlhaku, Dennis Makondesa, Portia Malatji, Zuliakha Malgas, Nazli Mamdoo, Kelly Matthee, Prudence Ntumeleng, Keabetswe Shumba, and Tsholo Sole are who we rely on for sustainable change. They have not missed a beat in attending to the usual order of business, while simultaneously having to deal with the very real operational challenges that were brought on by COVID-19.

They had a busy year, but at the same time, needed to cut back materially on spending. Sam and her team did not receive increases and when Thato Letebele resigned, she was not replaced and her workload was somehow absorbed.

They often worked over weekends and into their evenings to implement the changes that we called for. At times they felt isolated, but regular wellness checks and proactive interactions helped them to establish a 'new normal' that has now come into play.

Roger Dixon, my mentor in times gone by, used to reflect on the difference between being involved as opposed to being committed. More than once I heard him say 'the chicken is involved but the pig is committed'. Presidents and Office Bearers of the Institute will continue to come and go but these individuals are in it for the long haul. I was involved, but they have committed, and I thank them for that.

Speaking of cutting back, I missed our traditional annual banquet which was not possible under the circumstances, but was happy to forgo the usual President's farewell dinner, which I believe, is not really necessary. I find it more necessary to sincerely thank all of the Office Bearers and Council members for getting involved. Their ongoing advice, guidance, and support makes a material impact on the decisions taken and on one's courage to implement change.

SAIMM TEAM 2021



Sam Moola



Gugu Charlie



Camielah Jardine



Tshepiso Letlhaku



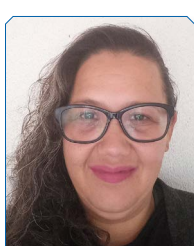
Dennis Makondesa



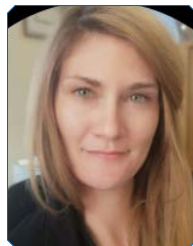
Portia Malatji



Julie Malgas



Nazli Mamdoo



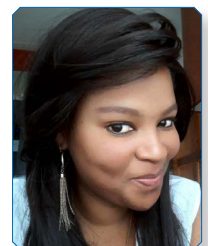
Kelly Matthee



Prudence Ntumeleng



Keabetswe Shumba



Tsholo Sole

Our meetings usually started with feedback around four initiatives.

- The first involved having the Young Professionals Council working more closely with our Branches to improve on our collective reach
- The second areas related to the work of our Technical Programme Committee, which was overseen by Isabel Geldenhuys, Gary Lane, and Zelmia Botha. My thanks to them.
- The third area involved Sam Moolla and Jeanne Walls, who were responsible for changes in how our secretariats operate. Many thanks for this.
- The fourth and most important area concerned our strategic realignment as it relates to our value proposition, marketing, and strategic partnerships. So many people were involved, but I would personally like to thank Mike Solomon, Isabel Geldenhuys, Elias Matinde, and Alastair Macfarlane for taking the load here.

As a country we have faced much adversity over the past year, and while we need to work through these uncertain times, our industry seems to be doing well. I believe that, given the many international commitments toward carbon neutrality, we are going to benefit from higher prices for some time still. This bodes well for us all and I wish all of you the very best going forward. Thank you.'

Induction of President – Ms Isabel Geldenhuys

Elias Matinde introduced the new President, Isabel Geldenhuys, who will be heading up your Institute, and read her *curriculum vitae*.

Introducing our new President

Presidential Address

Isabel Geldenhuys presented her Presidential Address entitled: *The value of history in a data-intensive world*, which will be reproduced in the September *Journal*.

The Presidential address started at 13:09.

Vote of Thanks

William Joughin gave the the vote of thanks

Closure

The meeting closed at 13:43 ◆



Isabel Geldenhuy

Welcome and Presentation of Awards



Zelmia Botha and Elias Matinde announced the award winners

Honorary Life Fellowship Awards



Willem van Niekerk, received his Honorary Life Fellowship Award

Brigadier Stokes Memorial Award



Neal John Froneman, recipient of the Brigadier Stokes Memorial Award

Gold Medal Award Winners



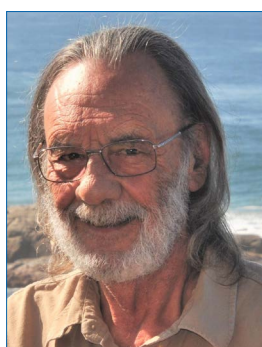
Zachary Lenvinson



Roussos Dimitrakopoulos

For their paper published in the March 2020 *Journal*

Silver Medal Award Winners



Nielen van der Merwe

For his paper published in the June 2020 *Journal*



Antonio Nieto



Francisco Medina

For their paper published in the July 2020 *Journal*

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IMPC Young Authors Award

Chile



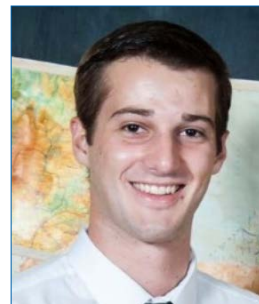
Paulina Vallejos Aravena

Germany



Michael Klichowicz

South Africa



Tiaan Punt

Australia



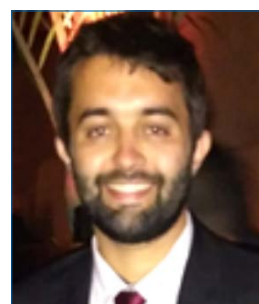
Daniel Lay

United Kingdom



Diego Mesa

Brazil



Túlio Moreira Campos

Most Supportive Advertiser in the SAIMM *Journal*



Grant Roach photographed with the award received on behalf of Elbroc Mining Products (Pty) Ltd. as the Most Supportive Advertiser in the *Journal*

COUNCIL FOR 2020/2021**President**

V.G. Duke

President Elect

I.J. Geldenhuys

Vice Presidents***Senior***

Z. Botha

Junior

William Joughin

Immediate Past President

M.I. Mthenjane

Honorary Treasurer

William Joughin

Co-opted Member

S. Ndlovu

Members of Council

Bekir Genc

Gary Lane

Katlego Letsoalo

Tshepo Mmola

Godknows Njowa

Bongi Ntsoelengoe

Steven Rupprecht

Navin Singh

Andrew Smith

Michael Solomon

Sam Spearing

Marthinus van der Bank

Andrew van Zyl

Simon Tose

Jeanne Walls

Branch Chairpersons

Johannesburg

Namibia

Northern Cape

Pretoria

Western Cape

Zambia

Zimbabwe

Zululand

Danie Jensen

Nikowa Namate

Itumeleng Lute

Sezer Uludag

Alan Nesbitt

Darius Muma

Clara Sadomba

Christo Mienie

Past Presidents serving on Council

Nic Barcza

Richard Beck

Roger Dixon

Henry James

Rodney Jones

Alastair Macfarlane

Cuthbert Musingwini

Selo Ndlovu

Jim Porter

Rams Ramokgopa

Mike Rogers

Don Ross-Watt

Gordon Smith

Willem van Niekerk

Key objectives of the Institute

To initiate and give effect to the means whereby the requirement for technology and scientific knowledge of the minerals and metals section of the southern African economy is satisfied; and to represent and promote the interests of its members.

Arrangement of this report

In accordance with the current management policy, this report on the activities of the Institute is presented under eight main headings:

1. Interests of Individual Members
2. Technical Meetings
3. Publications
4. Regional Development
5. International Liaison
6. Management and Administration.

1. Interests of Individual Members

J.R. Dixon, Chairperson

1.1 Membership Committee

J.R. Dixon, Chairperson

A. Chinhava C.D.R. Phillis
G.V.R. Landman S.J. Ramokgopa
K.M. Letsoalo M. H. Rogers
T. Mahomed D.A.J. Ross-Watt
T.M. Mmola G. L. Smith
M.I. Mthenjane S. Uludag
N.M. Namate W.H. Van Niekerk
S. Ndlovu

As at the end of the 2021 financial year, total membership across all categories stood at 2675, representing a slight increase (29) on 2020. There was a welcome, albeit small, increase in the number of Associate Members, which hopefully signals a turnaround as the SAIMM reconnects with its membership in a virtual world.

The platform which streamlines the applications process for membership and subsequent assessment, My Membership, which was installed by E2, was fully implemented during the year and should enable us to keep in close contact with our members and provide them with relevant and current information.

The Membership Committee also embarked on a review of the criteria for different grades of membership. This review was thought necessary as the profile of our membership changes with the advent of new technologies, the potential renewable energy projects in the mining industry, and the increased focus on Environmental, Social, and (Corporate) Governance (ESG)

Meetings of the Membership Committee have been held remotely during the lockdown and it is likely that this will continue to be the practice in the future after lockdown.

It is with great sadness that we have to report the passing of the following members, many whom played pivotal roles in the Southern African mining and metallurgical industries.

I wish to extend my personal thanks to the staff of the SAIMM, Prudence Ntumeleng and Kea Shumba, and to members of the Committee for their dedication and support during the past year.

Table I

Total SAIMM membership analysis year on year

Membership grade	Figure end of 2019/2020	Net Gain/Loss 2020/2021	Figure end of 2020/2021
Honorary Life Fellow	48	0	48
Fellow	311	55	256
Retired Fellow	192	8	200
Member	1 279	4	1 283
Retired Member	128	17	145
Associate	507	63	570
Retired Associate	12	-11	1
Student	68	18	86
Company Affiliate	101	-15	86
Total	2646	29	2 675

Table II

Members who sadly passed on during 2020/2021

Name	Membership No.	Grade	Date
Anthony Willard Bagnall	19688	Member	4 July 2020
Michael John Martinson	18625	Fellow	16 October 2020
Mpho Ronald Tlala	702407	Fellow	20 October 2020
Ferdi Camisani-Calzolari	701523	Honorary Life Fellow	15 January 2020
George Young Nisbet	18702	Honorary Life Fellow	7 January 2021

1.2 Young Professionals Council

Portfolio Holder: S. Ndlovu

A.T. Chinhava, Chairperson

W. Banda

C.T. Chijara

T. Chikomo

R. Coetzee

U. Hall

H.K. Hengari

K.T. Kekana

R.J. Kemane

S.F. Manjengwa

G.V. Marsden

M.A. Mello

K.A. Moganedi

V. Musapingura

S.J. Naiker

S. Ndlovu**

A.S. Nhleko

S.J. Ntsoelengoe*

S.N. Nyoni

D. Rachidi

S.M. Rupprecht*

* SAIMM Council Representative

** SAIMM Past President

***Co-opted Members

The YPC had to rethink its activities and meetings during this period. The move from face-to-face meetings to online meetings was easy and the YPC managed to schedule monthly meetings.

We held webinars, called 'Talk Tuesdays', where young professionals were given a platform to share their experiences. We also held an engagement session with young professionals to discuss how we can adapt to the new normal while meeting their needs. This proved very interesting and will be taken forward in the new term.

We participated in a webinar organized by the Department of Minerals and Energy (DMRE), which resulted in us working on a strategy for closer collaboration in the future. We are excited about this and looking forward to adding more value for our young professionals.

The Portfolios and Working Groups were not active as many members were adjusting to the new way of working in their personal and professional lives. This also applied to the YPC in the branches.

The Publications Portfolio were successful in completing the 3rd edition of the E-mag, (Youth in Mining and Metallurgy), which featured many interesting articles. The E-mag can be accessed using this link: <https://www.saimm.co.za/young-professionals-council/ypc-e-mag>

I would like to thank all the members of the YPC who continued to provide their support during this year, sometimes under very challenging conditions.

1.3 Promotion of the SAIMM

Portfolio holder: V. Duke

Good afternoon, members and guests. I thank you for the opportunity to report on the activities of your Institute over the past year.

Purpose and Value of the SAIMM

My efforts were mostly on changing how we operate to better serve the needs of both our members and the minerals industry.

I started by questioning our purpose to reaffirm the relevance of the SAIMM in the context of our changing environment. Final consensus from your Council was that:

'SAIMM exists to provide our members with a unique collaborative platform where they can develop as agile professionals in the rapidly evolving future of work in our sector'.

In essence we are about the continued professional development of our members. This development relies, inter alia, on us excelling in the following five areas:

- Diversity and inclusion
- Young emerging professionals
- Professional ethics
- Technical programmes, and most importantly
- Networking and forming strategic relationships.

We know that we can deliver in this regard because of our tried and tested ability to inform, educate, engage and convene, and our recently released digital brochure was developed for the very purpose of communicating what we can offer our members and corporate partners.

The next logical step is to redesign our website to tie in with our revitalised and realigned way of working, and we have already started arranging meetings with various corporates to discuss the merits of partnering with us.

International Professional Relevance

International professional relevance is about collaborating with other professional bodies to improve member and fellow recognition and to garner policy support.

The SAIMM is a member of the Global Mineral Professionals Alliance (GMPA), through which we connect our members to other GMPA member countries. Three online meetings were held during the year with good progress reported on working group activities. These have been around Communications, New Professionals, Professional Standards, Conferences, and Professional Development. A Global Action on Tailings (GAT) taskforce was also established and the SAIMM Tailings Committee is involved therein. The possibility of including more international organizations in the mix is being explored. William Joughin has taken over from Alastair Macfarlane as the SAIMM representative on the GMPA.

We co-manage the SAMCODEs Standards Committee (SSC), which oversees the progress of the SAMREC, SAMVAL, SAMOG, and SAMESG committees. The agendas of these meetings during the year have inter alia covered issues around site visits during COVID-19 restrictions, the implications of SK-1300, the possibility of independent sign-offs for new listings, the integration of ESG requirements, improving corporates' involvement, updating of the SAMOG Code, sensitizing geoscientists and engineers to the importance of ESG issues, and updating the SAMESG Guidelines. A number of workshops and presentations were delivered online and we continued with our participation on CRIRSCO and IMVAL to ensure our influence over related international developments. Andy MacDonald will take over from Tania Marshall as the SSC Chairperson in December 2021.

As a voluntary association, the SAIMM engages with the Engineering Council of South Africa (ECSA) to support policy development. ECSA gazetted a Board Notice on the Identification of Engineering Work in March 2021. There are queries around the reservation of work identified in the mining engineering discipline (Clause 14), and how this might affect people registered as professionals with other Councils or Professional Bodies.

We had a lively meeting with Presidents of our kindred organizations where Marthinus van der Bank (BBE), Lehlohonolo Malloyi (MEMSA), Mike Valenta (METALLICON), Gaopaleloe Mokhitli (SASOL), Tania Marshall (GSSA), and Raymond van der Berg (MPAS) all volunteered to be on a working group aimed at improving on how we collaborate with one another to avoid duplication of effort as we all progress our respective initiatives and projects in the country. Their work is scheduled to start at the end of August 2021.

We also had two very constructive meetings with the Minerals Council South Africa on how we are going to work more closely together in terms of our respective initiatives and offerings. This again talks to non-duplication of efforts. The Minerals Council has committed to strengthening our long-standing partnership so that we can collaborate on our shared focus areas more regularly and efficiently.

Finally, we have had one meeting with the Department of Mineral Resources and Energy (DMRE) to solicit their support for the development of our student and community initiative.

Information and Resource Portal

The brochure also touches on our information and resource portal, where members have access to a library of training videos, our monthly technical journal, and various technical libraries, including OneMine.org.

The *Journal* has continued as usual but we are soon going to have to move our technical information to another location. We will be engaging on an alternative home for our books in the near future.

We have, through our recruitment portal, managed to link a few specialists with private companies and other institutions, such as legal bodies where expert witness advice was sought.

Training and Development

When it comes to our convening capacity, all of our planned face-to-face conferences and workshops were replaced with online events. This materially reduced the income that we normally rely on to complement our income from membership fees. None of our events were cancelled, but many that could not go ahead as planned were either postponed to 2021/2022 or converted to online events.

Our Technical Programme Committee delivered 48 events. These were attended by 1534 delegates, of which only a quarter were members of our Institute. The events comprised seventeen webinars, eight online conferences, and three courses.

It was business as usual for two of our local branches, namely the Johannesburg and Northern Cape branches, but our regional branches in Namibia, Zambia, and Zimbabwe were mostly inactive during this year due to the pandemic. Some progress was made on establishing a branch in Botswana.

Our Young Professionals Council (YPC) concentrated on using webinars for technical presentations by young professionals for young professionals. These 'Talk Tuesdays', as they were called, included some interesting topics. A collaboration with the DMRE was initiated with further interaction planned during the coming months.

Our DIMI Committee recently delivered their first ever conference in collaboration with Women in Mining South Africa (WiMSA). It was very informative, with a number of excellent presenters from South Africa, Canada, Russia, and Sweden focusing on the issues of diversity and inclusion in the mining and minerals industry.

A new initiative, aimed at linking new graduates seeking early-stage internships with suitable environmental and community-related projects, is taking shape. Its progress is being overseen by Bongi Ntsoelengoe, who has had meetings with representatives from Office Bearers, our regional branches, the YPC, and our Diversity and Inclusion in the Minerals Industry (DIMI) Committee on how they can work together in this regard.

Membership

As at June 2021, we recorded that SAIMM had 2931 members on the role, of which 2403 were paying members. This is slightly more than the 2919 members that appeared on our books a year ago.

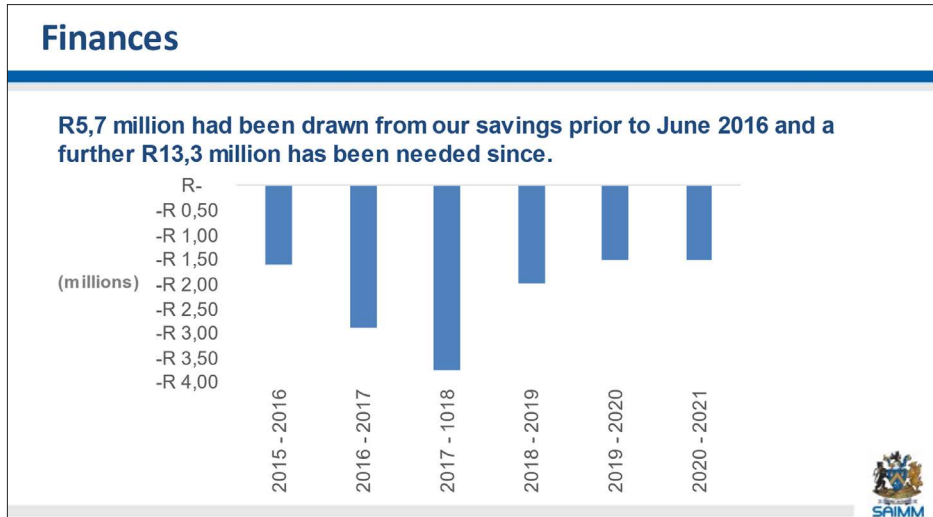
Income from our membership fees remained much the same at R3.5 million.

The Membership Committee has agreed to consider how we can change our Constitution to admit specialist members from the environmental and green energy sectors.

We are collaborating with the West African Institute of Mining and Metallurgy (WAIMM) and similar bodies in China, with the specific purpose of increasing our membership base and our influence in the international arena. We also have our eye on Turkey in this regard.

Finances

William Joughin will shortly present the financial report, so I am going to limit my feedback to the fact that we again made a loss and needed to draw on our savings to cover costs.



This Figure reveals the extent to which we have relied on such drawdowns over the past years

While the average amounts to almost R2 million a year, I believe that we will be able to cover this shortfall as we adjust our revenue models to suit the online environment, and by securing firm corporate partnerships with companies working in our minerals industry.

A solid performance by the markets provided us with much-needed investment income, and this effectively offset our losses over the past year.

Council Meetings

The monthly meetings of your Council were well attended, which allowed for timely decisions during the course of what has been a busy year.

I would like to sincerely thank all of the people serving on Council, including observers and past Presidents, whose wisdom and advice was very helpful, especially at some of the short notice ad hoc meetings that were necessary.

1.4 Awards and Adjudication Committees

DIMI – Committee for Diversity and Inclusion in the Minerals Industry

S. Ndlovu, Chairperson

S.M. Rupprecht, Deputy Chairperson

Z. Botha	C. Radloff
B. Korb	K. Rathobei
N. Monei	C. Taylor
D. Motlou	J. Walls
S. Nhleko	B. Xakalashe
P. du Pisani	

The SAIMM Committee for Diversity and Inclusion in the Minerals Industry (DIMI) seeks to advance issues of diversity (gender, ethnicity, religion, and other diversifying factors) and inclusion through initiatives and activities that address the professional needs and aspirations of persons actively pursuing a career in the minerals industry. The Committee is made up of male and female, emerging and experience professionals from both industry and academia, who are all passionate about seeing positive changes in this area.

In August 2020 the Committee hosted a high-powered series of webinars to celebrate Women's Month in South Africa. The series, which was very well attended, and covered diverse issues such as gender inclusivity in the workplace, creating a positive environment for diversity, conquering inner fears, developing a growth mind-set for your career, and also touched on workplace strategies for mental health. The series was organized in collaboration with Women in Mining South Africa (WiMSA) and received a lot of support from the local mining industry.

The DIMI Committee, in collaboration with WiMSA, is currently planning the first-ever diversity and inclusion conference, which is scheduled to take place from 3 to 4 August 2021. The conference features a comprehensive programme, with high-profile presenters from both the local and international scenes who will be giving talks on different aspects of diversity and inclusion in the mining industry.

The Committee has also taken part in the discussions organized by Minerals Council South Africa through their Women in Mining stakeholder forum to explore possible areas of collaboration with the Council and other similar-minded bodies.

Awards and Adjudication Committee—Mining

M.H. Rogers, Chairperson

W.C. Joughin	G.L. Smith
G.Lane	T.R. Stacey
R.G.B. Pickering	

Awards and Adjudication Committee—Metallurgy

R.M.S. Falcon, Chairperson

P. den Hoed	S. Ndlovu
E. Matinde	R.L. Paul

Honorary Life Fellows

Honorary Life Fellowship is awarded by Council to Corporate Members of the Institute who have rendered outstanding service to the industry or to the Institute over a considerable period. Council has conferred Honorary Life Fellowship on the following persons:

Pre-

1923	A. Aiken	S.H. Pearce
	A.F. Crosse	J.P. Williams
	J. Littleton	
1923	J. Moir	
1930	H.A. White	
1931	P. Cazalet	J.A. Wilkenson
	A. Whitby	
1932	J.R. Thurlow	
1934	Wm. Cullen	A. McArthur Johnston
	W.R. Feldtmann	G.H. Stanley
	E.H. Johnson	
1938	G. Melvill	F.W. Watson
	S. Newton	
1941	J. Henderson	
1943	Sir R.N. Kotzé	
1946	J. van N. Door	T.K. Prentice
	C.J. Gray	R.S.G. Stokes
	J. Gray	S.J. Truscott
	J.V. Muller	G.A. Watermeyer
	J. Orr	J.A. Woodburn
1951	W.W. Mein	
1953	P.E. Hall	B. St. J. van der Riet
1954	C. Biccard Jeppe	
1955	P.N. Lategan	
1958	R.A.H. Flugge-de-Smidt	
1960	G. Hildick-Smith	A.J. Walton
	A.J. Orenstein	F. Wartenweiler
	H.J. van Eck	
1961	C.S. McLean	
1966	F.G. Hill*	F. Meyer
1970	H.E. Cross*	D.M. Jamieson*
	R.C.J. Goode*	
1974	R.J. Adamson	C.J. Irving
	W. Bleloch*	J.F. Reid*
	H. Britten	
1975	M. Barcza	J.T. McIntyre
	J. de V. Lambrechts	
1976	D.G. Maxwell*	A.R.O. Williams*
1978	J.K.E. Douglas*	V.C. Robinson*
	D.D. Howat*	
1979	J.P. Hugo	P.W.J. van Rensburg*
1980	Hon. S.P. Botha*	R.P. Plewman*
	Hon. P.G.J. Koornhof	R.E. Robinson*
	A. Louw*	

1982	M.G. Atmore*	
1983	C.S. Macphail*	
1985	P.R. Jochens*	M.D.G. Salamon*
	D.G. Malan*	
1986	D.G. Krige*	G.Y. Nisbet
1987	A.N. Brown	
1988	J.D. Austin	D.A. Viljoen*
	R.P. King*	
1989	P.A. von Wielligh*	
1990	S. Budavari*	G.T. van Rooyen
	L.W.P. van den Bosch	
1991	H. Wagner	
1992	J. Lurie*	
1993	No award	
1994	B.C. Alberts*	
1995	R.D. Beck	H.E. James
	P.R. Janisch	
1996	R.J. Dippenaar	H.G. Mosenthal*
	J.S. Freer*	
1997	J.A. Cruise	
1998	D.A.J. Ross-Watt	
1999	No award	
2000	N.A. Barcza	J.R. Dixon
	R.P. Mohring*	
2001	M.H. Rogers	D.J. van Niekerk
2002	L.A. Cramer	R.F. Sandenbergh
	C.T. O'Connor	J.H. Selby
2003	A.A.B. Douglas*	P.J. Knottenbelt
2004	No award	
2005	F.A. Camisani-Calzolari	
2006	T.R. Stacey	
2007	No award	
2008	E.U.H. Sachse	
2009	I. Walton	
2010	R.T. Jones	
2011	No award	
2012	No award	
2013	No award	
2014	G.V.R. Landman	R.G.B. Pickering
	A.S. Macfarlane	
2015	O.K.H. Steffen*	M.F. Handley
2016	R.C.A. Minnitt	S.J. Ramokgopa
	J.L. Porter	G.L. Smith
2017	D. Tudor	
2018	M. Woodhall	
2019	M. Dworzanowski	K.C. Sole
	C. Musingwini	
2020	S.M. Rupprecht	
2021	W.H. van Niekerk	

**Deceased*

Brigadier Stokes Memorial Award

The Brigadier Stokes Memorial Award, which takes the form of a platinum medal, is awarded to an individual for the very highest achievement in the South African mining and metallurgical industry, and is not necessarily based on technical expertise.

The Award was established in 1980, and the previous recipients were as follows:

1980	H.F. Oppenheimer
1981	W. Bleloch
1982	F.G. Hill
1983	A.W. Whillier (posthumously)

1984	D.G. Krige
1985	R.E. Robinson
1986	M.D.G. Salamon
1987	T.F. Muller
1988	W.J. (Wim) de Villiers
1989	R.A. Plumbridge
1990	W.G. Boustred
1991	P. du P. Kruger
1992	E. Pavitt
1993	D.A. Pretorius
1994	H. Wagner
1995	O.K.H. Steffen
1996	B.E. Hersov
1997	D.W. Horsfall (posthumously)
1998	B.P. Gilbertson
1999	L. Boyd
2000	A.H. Mokken
2001	T.L. Gibbs
2002	J. Ogilvie Thompson
2003	P.V. Cox
2004	H.J. Smith
2005	P. Motsepe
2006	G.T. van Rooyen
2007	D.H. Laubscher
2008	T.R. Stacey
2009	C.J. Fauconnier
2010	C.T. O'Connor
2011	B.C. Alberts
2012	R.P. Mohring
2013	H.R. Phillips
2014	R.M. Godsell
2015	S.A. Nkosi
2016	M.A. Hermanus
2017	R.A. Baxter
2018	M.S. Teke
2019	D. L. Hodgson
2020	David Lancaster Hodgson
2021	Neal John Froneman

This year the award is made to Neal Froneman for his outstanding contribution to the industry over many years.

SAIMM 50 Year Club

The Institute established the 50 Year Club in 1989 to recognize the faithful and loyal support of its senior members with 50 years' unbroken membership. They become members of the club on the 50th anniversary of their joining the Institute. Their names are published each year in the annual report and they are presented with a gold lapel badge on a suitable occasion. There are no fees, and the only obligation of members is to wear their lapel badges with pride and affection at all meetings of the Institute. The present members of the club are as follows:

Year to

June Member

1924	E.C. Polkinghorne*	
1926	R.M. Martin*	
1927	W. Allen*	
1930	E.T. Dunstan* (posthumously)	
	P.L. Ward*	
1931	F. Bowdler*	
1932	J.E. Laschinger*	
1933	F.D. Cartwright*	E.R.C. O'Connor*
	C.H. Coxon*	B.M. Roberts*
	J. Levin*	A.a. von Maltitz*
	D.D. McWilliam*	T. Waterman*
1934	A.C.M. Cornish-Bowden*	J.W.V. Mortleman*

	H.E. Cross*	K. Rood*
	E.F. Laschinger*	A. Siff*
	E. Margo	O. Weiss*
1935	O.B. Swallow*	
1936	O. Deane*	A.H. Mokken*
	T.L. Gibbs*	H.L. Munro*
	R.C.J. Goode*	R.M.F. Seawright*
	F.G. Hill*	A.C. Pigott*
	D.M. Jamieson*	J.S. van Zijl*
	D.J. Rogers*	L. Walter*
1937	W. Bleloch*	J.J. Klein*
	L.A. Bushell*	C.D. Storrar
	K.W. Findlay*	
1938	V.C. Barnes*	C.A. McKechnie*
	E.T.S. Brown*	J.A. Nixon*
	R.S. Cooke*	E. Popplewell*
	J.K.E. Douglas	C.G. Sowry*
	A.L.A. Forder*	E.W. Thiel*
1939	G. Armstrong-Smith*	R.S. Pearson*
	D.E.R. Ayres*	D.C.J. Squirrell*
	E.H.D. Carman*	R.F.J. Teichmann*
	W.G.H. Jackson*	I.S. van Eyssen*
	T.A. Newman*	S.J. Venning*
1940	L.D.C. Bok*	G.D. Gettliffe*
	A.W.L. Brereton*	G.G. Stanley*
1941	A.H.H. Davison*	D. de V. Oxford*
	D.J. Forder*	E. Pavitt
	A.R.C. Fowler*	A.C. Petersen*
	H.F.W. Ketelbey*	E.R. Rudolph*
	J.D. McNamara*	P.W.J. van Rensburg*
	T.F. Muller*	
1942	R.E. Burnton*	O.L. Papendorf*
	R.C. Espley-Jones*	V.O. Steed*
	N.M. Hayne*	J.E. van Leeuwen*
	R.T. Naudé*	W.C. Walmsley*
1943	D.J. Molony*	R.P. Plewman*
	J.D. McMorran*	
1944	A.F. Dick	V.M. Reinecke*
	R.B. MacGillivray*	A.S. Swartz
	L.J. Prince*	A.H. Taute*
	J.F. Reid*	P.B. Weehuizen*
1945	J.L. Curtis*	K.E. Steele*
	E.T. Pinkney*	
1946	W.I. Spence	
1947	G.H. Grange*	J.D. Pollard
	W.B. Howe*	V.C. Robinson*
	J. Marr-Levin	A.N. Shand*
	C.J. Parr*	G.R. Still†
1948	D.F. Foster*	J. Pope*
	M.H. Grusd*	N.A. Stacey
	P.A. Laxen*	J.A. Tyser
	G.Y. Nisbet	
1949	G.P. Bennett*	J.P. Hugo
	J.F. Curtis*	D.A. Immelman
	O. Davel	
1950	D.F. Grieve	R.P. Plasket*
	B.E. Hersov	V.C. Ward
	D.G. Maxwell*	
1951	D.G. Krige*	N.C. Pope
	B.H.L. Leach*	W.T. Ruhmer

	M.J. Martinson	T. Zadkin*
	W.D. Ortlepp*	
1952	A.N. Brown	E.P. Mortimer
	M.J. Deats	D.J. Murphy
	W. Lurie*	H.J. Stucke*
	N. Martincevic	R.G. Williams
1953	B.G. Fordyce	G.D. Tainton
	G. Langton*	J. Uys*
	A.A. Sealey	N. Zolezzi
1954	R.C. Bertram	R.B.W. Wiggill
1955	R.A.O. Chelius*	G.R. Parker
	S.P. Ellis	W.B. Parker
	C.T. Fenton	
1956	G.A. Brown	M.A. Madeyski*
	D.R. Chelius	D. Rankin
	M.F. Dawson	G.C. Thompson
	L.M. Falcon	
1957	K. Babich	A.M. Edwards
	J.J. Blom	R.C. More O'Ferrall
	R. Campbell	N.C. Officer
1958	J.F. Dear*	B.S. Tattersson
	R.H. Swan	P.J. van der Walt
1959	H.E.K. Allen	H.A.G. Slater
	D.C. Brink	G.T. Van Rooyen
	G.D. Louw	
1960	R. Hemp	C.T. Shaw*
	G. Joynt	L.W.P. van den Bosch*
	B. Moore	H. von Rahden
	R.E. Robinson*	M. Wishart
	C. Roper	
1961	W.B. Evans	G.S. Lee
	R.A. Featherstone	B.J. Love
	I.R.H. Forrest	P.J. Muller
	J.S. Freer*	G.J.C. Young
	B.W. Holtshousen	W.J.G. Young
1962	S.I. Du Preez	E. Schmid
	P.J. Heystek	
1963	L. Anderson	J.N. Gallie
	H.K.R. Cahnbley*	J.J. Geldenhuys
	G.C. Clatworthy	T.J. Kotze
	R.E.F. Cowley	A.H. Munro
	J.A.J. De Cuyper	A.G. Netto
1964	J. Douglas	A.W. John
	K. Imre	A. Simon
1965	P. Andersson	W. Mitchell
	J.A. Cruise	D.I. Ossin
	F.S.A. De Frey	M.H. Rogers
	F.M.G. Egerton	E.H.J. Stoyell
	F. Fenwick*	R.S. Traviss*
	M.R. Fuller-Good	J.W. Walls
	P.G. Gaylard	I.C. Watson
	J.P. Hoffman*	J.C.M. Wethmar
	J.P. Loo	
1966	D.A. Arnold	N.F. Peverett
	C. Fauconnier	J.C. Simms
	D.R. Fleming	P.J.C. Smith
	E. Fletcher	O.K.H. Steffen*
	P.G.P. Mrkusic	D.J. van Niekerk
1967	H.G. Albertyn	H.E. Lombard
	N.A. Barcza	M.C.W. Morris

	A.G.C. Merson	W.A. Nairn
	P.J. Cook	A.D. Ochse
	C.V.B. Cunningham	M.v.R. Steyn
	N.C. Joughin	P.S. Wentworth
1968	H.A.D. Kirsten	N.P. Finkelstein
	D.G. Sacco	
1969	I.C. Robinson	G.F. Bainbridge
	W.E. Stumpf	T.K. Whitelock
1970	R.D. Beck	F.H. Lancaster
	M.I. Brittan	C.F.K. Poulton
	W.N. Cartner	M.J.H. Tonking
	C.L. De Jongh	J.C.G. Van der Colf
	W.A. Hustrulid	L. Vercueil
	W.R. Judd	C.H. Wiggett
	C.P. Kramers	
1971	C.J. Davies	C.B. Roper
	H.P. Hart	D.A.J. Ross-Watt
	C.J. Hattingh	H.G. Waldeck
	M.S. Mulder	G.R.W. Walker

*Deceased since becoming members of the Club

†Resigned

The Danie Krige Memorial Award

Following discussions at Office Bearers and Council during 2013 it was agreed to honour the memory of and contribution to the minerals industry made by the late Professor Danie Krige.

It was agreed, among other activities, to make an annual award of a Danie Krige medal for a qualifying geostatistics paper published in the *SAIMM Journal* of the previous year.

There is no award this year.

Gold and Silver Medals

Papers published in the *Journal* from March 2020 to February 2021 by members of the Institute were considered for medals.

Mining

Gold Medals

Gold medals are awarded for papers that are of a world-class standard, and judged to be publications that will become key references in their mining or metallurgical field in the future.

Gold Medal were awarded to:

Z. Levinson and R. Dimitrakopoulos, for their paper published in the March 2020 issue of the *Journal* entitled: 'Adaptive simultaneous stochastic optimization of a gold mining complex: A case study'.

As non-member Z. Levinson will receive a certificate of merit.

Silver Medals

Silver medals are awarded for papers that make a major contribution to the professions of mining and metallurgy and to the prestige of the Institute.

Silver Medals were awarded to:

J.N. van der Merwe, for his paper published in the June 2020 issue of the *Journal* entitled: 'The development of a time-based probabilistic sinkhole prediction method for coal mining in the Witbank and Highveld coalfields'.

and

A. Nieto and J.F. Medina, for their paper published in the July 2020 issue of the *Journal* entitled: 'Development of a socio-economic strategic risk index as an aid for the feasibility assessment of mining projects and operations'.

As non-member J.F. Medina will receive a certificate of merit.

Metallurgy

No medals were awarded for 2020/2021

The members of the Awards Committee for the 2021 metallurgy papers agreed that none met the standard set in previous years for the award of a medal. However, the committee would like to cite and commend the authors Thindotho Nemavhola, Dr Theresa Coetsee and

Prof Andrie Garbers-Craig of the paper entitled 'Accretion formation on the refractory lining during the melting of ferrosilicon'. As a result of their detailed experimental work and insightful analysis of the causes associated with excessive accretion formation on refractory lining, they have made recommendations that will undoubtedly assist in reducing the extent of this problem during the production of ferrosilicon.

Student Prizes

Students receiving a certificate at their Graduation Ceremonies and a silver medal at the AGM.

The prize winners were as follows:

University of the Witwatersrand

Mining	M. Khumalo
Metallurgy	S. Mkhonta

University of Pretoria

Mining	T.A. Cebekhulu
Metallurgy	Y. Matabadal

University of Johannesburg

Mining	O. Mooketsi
Extractive Metallurgy	K.A. Seya

University of Stellenbosch

Mineral Processing	S.M. Annandale
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The prizes for the universities of Cape Town and Stellenbosch and the Cape Peninsula University of Technology will be awarded at the Western Cape Branch Annual General Meeting.

IMPC Young Authors Awards

The Young Author Awards are given for the most outstanding papers presented where the main author is under 35 years of age at the date of the Congress. IMPC awards ten such prizes, with the winners acknowledged formally at the IMPC Congress. Due to the cancellation of the IMPC 2020 Congress in South Africa it was agreed that the winners should be acknowledged at the SAIMM AGM, and the awards will be presented at the 2022 IMPC Congress in Melbourne Australia.

Paulina Vallejos Aravena	Chile
Michael Klichowicz	Germany
Tiaan Punt	South Africa
Daniel Lay	Australia
Diego Mesa	United Kingdom
Túlio Moreira Campos	Brazil

SAIMM 5 Star Incentive Programme

The SAIMM 5 Star Incentive Programme was introduced in 2015 to thank members who contribute to the growing membership of the SAIMM and to provide additional benefits to Fellows and Members of the SAIMM.

The top 5 proposers are:

Elias Matinde	Russel Heins
Vhangani Netshivhangoni	Rodney Hundermark
Kondwani Banda	

The top 5 referees of papers published in the *Journal* are:

Markus Erwee	Steven Rupprecht
William Joughin	Marek Dworzanowski and Andrew Kinghorn
Lesley Cornish	

Top Advertiser in the Journal

The award for the Most Supportive Advertiser in the *Journal* is to be made annually by the SAIMM and is the Institute's way of recognizing the continued and loyal support of those companies that advertise in our *Journal*. The award is made not only on the strength of the amount of money spent by an advertiser, but also on factors like general cooperation, meeting of deadlines, and the timely settling of accounts. Our advertisers make a major contribution to the Institute's ability to provide our members and associates with a quality *Journal*.

The Most Supportive Advertiser for 2020/2021 is Elbroc Mining Products.

1.5 SAIMM Scholarship Trust Fund

Trustees

R.D. Beck
L. Cramer
J.R. Dixon
M.H. Rogers

Committee

J.R. Dixon
T.M. Mmola
A.S. Macfarlane
M.H. Rogers
W.H. van Niekerk

The Trust Fund currently has a credit of R255 894. There was no distribution in 2021 due to the financial circumstances of the SAIMM and to the COVID-19 lockdown.

The review of the Trust Deed, which will ensure that the SAIMM and the Trustees comply with the relevant legislation applicable to charitable trusts such as ours, is still outstanding.

We hope to resume with much-needed donations once financial circumstances improve.

1.6 Complaints Committee

R.C.D. Phillis, Chairperson
M. Dworzanowski
A. Garbers-Craig
A.J. McDonald

Nothing to report this year.

1.7 Ethics Committee

J.A. Cruise, Chairperson
A. Kinghorn

Nothing to report this year.

1.8 The Committee for Diversity and Inclusion in the Minerals Industry Report (DIMI)

S. Ndlovu, Chairperson
S.M. Rupprecht, Deputy Chairperson

Z. Botha	C. Radloff
P. du Pisani	K. Rathobei
B. Korb	C. Taylor
N. Monei	J. Walls
D. Motlou	B. Xakalashe
S. Nhleko	

The SAIMM Committee for Diversity and Inclusion in the Minerals Industry (DIMI) seeks to advance issues of diversity (gender, ethnicity, religion, and other diversifying factors) and inclusion through initiatives and activities that address the professional needs and aspirations of persons actively pursuing a career in the minerals industry. The Committee is made up of male and female, emerging and experience professionals from both industry and academia, who are all passionate about seeing positive changes in this area.

In August 2020 the Committee hosted a high-powered series of webinars to celebrate Women's Month in South Africa. The series, which was very well attended, and covered diverse issues such as gender inclusivity in the workplace, creating a positive environment for diversity, conquering inner fears, developing a growth mind-set for your career, and also touched on workplace strategies for mental health. The series was organized in collaboration with Women in Mining South Africa (WiMSA) and received a lot of support from the local mining industry.

The DIMI Committee, in collaboration with WiMSA, is currently planning the first-ever diversity and inclusion conference, which is scheduled to take place from 3 to 4 August 2021. The conference features a comprehensive programme, with high-profile presenters from both the local and international scenes who will be giving talks on different aspects of diversity and inclusion in the mining industry.

The Committee has also taken part in the discussions organized by Minerals Council South Africa through their Women in Mining stakeholder forum to explore possible areas of collaboration with the Council and other similar-minded bodies.

1.9 Banquet Committee

There was no Banquet held due to covid.

2. Technical Programme Committee – Mining and Metallurgy

Portfolio Holder: I.J. Geldenhuys

Technical Programme Steering Committee

G.R. Lane, Mining Chairperson
 Z. Botha, Metallurgy Chairperson
 I.J. Geldenhuys, Co-chairperson
 B. Xakalashe, Co-chairperson
 R.T. Jones, Co-chairperson

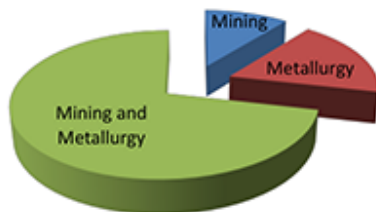
The mining and metallurgy TPCs are managed as two separate committees and, in the previous year, we have been working more closely together and integrating mining and metallurgy in our industry programmes. The report is therefore combined again.

Our thanks to the members of the respective committees for their contributions to a full programme this year.

The SAIMM Technical Programme Committee would like to extend its gratitude to our members that supported, facilitated, and promoted our new virtual conference and webinar drives.

The mining and metallurgy TPCs were traditionally managed as two separate entities. However, for the past two years the SAIMM Technical Programme (TP) Committee has integrated the mining and metallurgy initiatives. This collaboration can clearly be seen in the diagram.

Conference by Event Type



The new combined TPC also hosted our first engagement webinar with all our SAIMM members and industry. Topics of interest that clearly emerged from this session were environmental challenges, digitalization and the mine of the future, renewable energies, diversity and inclusion, as well as our Young Professionals initiatives.

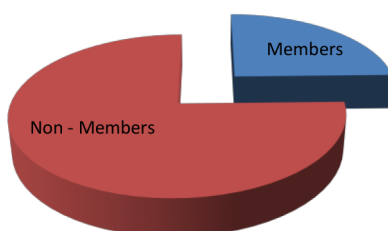
From these topics of interests our YPC held their own Engagement Session during June 2021. The TPC organized several renewable energy sessions, including an open discussion during May 2021 and a virtual conference in June 2021.

Our digital platform and virtual webinars and conferences are now fully leveraged. The SAIMM hosted four sponsored webinars with 100 delegates online. That brings our total to almost 74 webinars since May 2020 with over 4000 online attendees. The high quality of the technical content has not changed, and members can still obtain CPD (Continuous Professional Development) points for participating in our webinars. The top five webinars for 2020 and 2021 were:

1. Diversity and Inclusion
2. Growth Mind-set: A key to Career Growth in the Minerals Sector
3. Changing the Landscape: Diversity and Inclusion as a Catalyst for the Mining Industry
4. YPC Webinar on ECSA Registration Process
5. The Role of Computational Modelling in Developing new Pyrometallurgical Technologies.

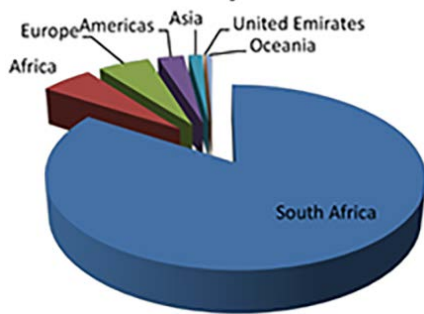
Another great initiative this coming year is a new, dedicated TP web page to increase engagement with our members. The TPC would like to see more members attending discussions and presenting topics of interest during our new digital drive. Most of our attendees remain non-SAIMM members at 75%, down from 83% in 2020.

Attendee Breakdown



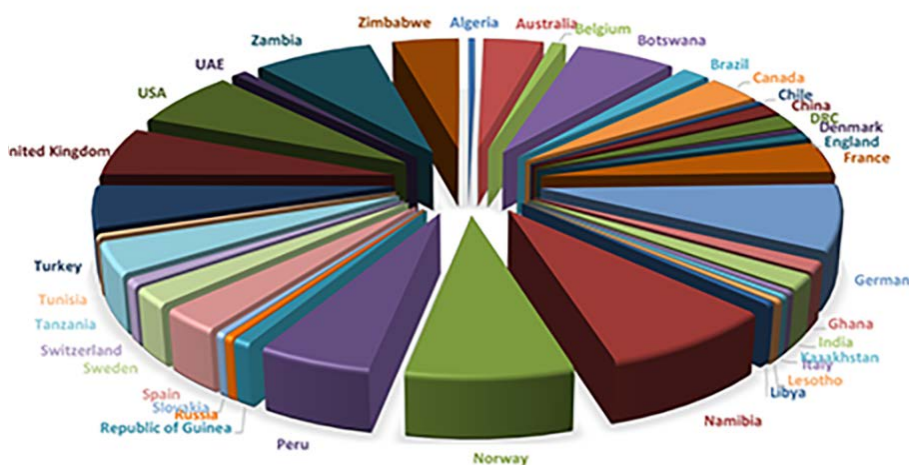
Delegate numbers increased from 970 to 1534 in the last financial year.

Attendance by Continent

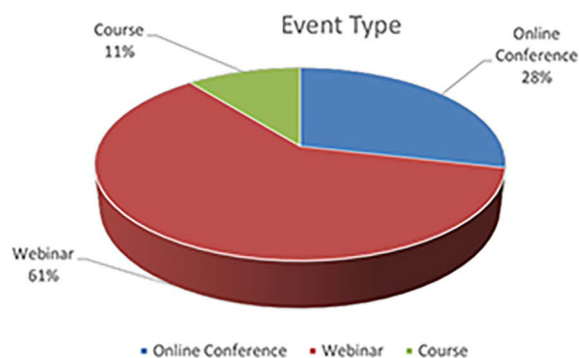


The SAIMM TPC has seen more diversity in attendance from different continents. During 2020 South African delegates constituted more than 90% of the total, but during 2021 the number of delegates from the rest of Africa, Europe, and the Americas increased, with 84% from South Africa. This trend is encouraging and points to the success of the SAIMM's TP digital drive.

DELEGATES AND COUNTRIES IN ATTENDANCE (EXCL. SOUTH AFRICA)



To alleviate the mental, emotional, and muscle fatigue ensuing from screen time during this international COVID pandemic, the SAIMM digital online programmes have been carefully structured to take account of international time zones and for optimal duration. The SAIMM TP webinar series has proven to be ideally suited for our delegates and makes up 61% of the programme offering.



The conference programme for the last financial year is shown in the table on page 26.

We look forward to welcoming you to our upcoming events:

16-17 August 2021	World Gold online conference
21-22 September 2021	5th Young Professionals online conference
29 Aug-4 September 2021	APCOM 2021 online conference
18-20 October 2021	International conference on Southern African Rare Earths.
26-27 October 2021	SAMCODES online conference
15-17 November 2021	Tailings online conference
17 November 2021	Student Colloquium online conference

All these initiatives and successes would not have been possible without our members. The TPC, as always, aims to create a platform for innovation, collaboration, and knowledge sharing across all boundaries. In support of executing our mandate we are pleased to announce that these programmes have received over R50 000 in sponsorship. Thank you to all our members and sponsors for your continued support.

Schedule of Mining/Metallurgy Technical Conferences, 2020/2021			
Type of Event	Date	Event	Convenor
JULY 2020			
Online Conference	14-30 July 2020	Digitalisation Online Conference	A. Macfarlane
AUGUST 2020			
Online Conference	6-27 August 2020	International Mine Health and Safety Online Conference	A. Macfarlane
Online Conference	24-28 August 2020	Manganese School Online School	J. Steenkamp
SEPTEMBER 2020			
Webinar	September 2020	SANCOT Emerald Book Online Training	G. Keyter
OCTOBER 2020			
Webinar	6 October 2020	Development Of Eco-Innovative Technologies For The Valorization Of Complex Matrices At Enea Research Center	B. Xakalashe
Online Short Course	13 October 2020	Drill and Blast Short Course	G. Lane
NOVEMBER 2020			
Online Workshop	4 November 2020	Renewable Energy Webinar and PREMA Workshop	L. Hockaday
Online Conference	10-26 November 2020	Acid Mine Drainage: Mine-Impacted Water	S. Ndlovu
Webinar	17 November 2020	YPC SAMCODES Workshop	S. Rupprecht
DECEMBER 2020			
Webinar	2 December 2020	Solexperts Webinar: Fibre Optic Monitoring for Dam Leakage and Slope Stability – European Case Studies	P. Piper (Groundworks)
JANUARY 2021			
Online Course	18-22 January 2021	Citation Course Part 1 Online	D. Minnitt
Webinar	27 January 2021	Dilution Control - Webinar	A. Macfarlane
FEBRUARY 2021			
Webinar	3 February 2021	Testing according to local (SANS) or international standard - CSIR	
Webinar	17 February 2021	Recovering Ree And Sc From Industrial By-Products: The Case Of Bauxite Residue From The Alumina Industry	B. Xakalashe
Webinar	17 February 2021	Beneficiation of Rare Earth Elements Minerals from Mining Tailings as an Analogue of Complex Low Grade Ores	B. Xakalashe
Online Course	15-19 February 2021	Citation Course Part 2 Online	D. Minnitt
Webinar	24 February 2021	Improving your metal recoveries - Webinar	A. Macfarlane
Online Short Course	25 February 2021	Environmental Constraints in Blasting Short Course	G. Lane
MARCH 2021			
Webinar	10 March 2021	Hydrometallurgical processing of REEs	B. Xakalashe
Online Course	15-19 March 2021	Citation Course Part 3 Online	D. Minnitt
Online	19 March 2021	MCSA Conference	MCSA
APRIL 2021			
Online	12-16 April 2021	Citation Course Part 4 Online	D. Minnitt
Webinar	7 April 2021	Introducing Software to the Mining Business: What's changed in 20+ years? And what hasn't?	M. Woodhall
Webinar	20 April 2021	Primary and secondary production of aluminium melts	B. Xakalashe
Webinar	26 April 2021	Steel, Its Alloys and the 2020s	I. Geldenhuys
MAY 2021			
Webinar	11 May 2021	Wabtec Digital Mine on the evolution of Collision Awareness Systems in Mining	Wabtec
Webinar	19 May 2021	Rockma	Rockma
Webinar	20 May 2021	Renewable Energy Engagements Session	L. Hockaday
JUNE 2021			
Online	9-10 June 2021	Diamonds Conference 2021	T. Marshall
Online	21-22 June 2021	CSIR/MMP Virtual Symposium	R. Mahomed
Hybrid/Mintek	28-29 June 2021	Renewable Energy Conference 2021	L. Hockaday

Schedule of Mining/Metallurgy Technical Conferences, 2021/2022

Type of Event	Date	Event
JULY 2021		
Webinar:	15 July 2021	A Live demo case study – Maximising Value Chain Throughput by using a Value Driver Tree to create the necessary focus
Webinar:	21 July 2021	Decrepitation of South African Manganese ores during the pre-heating process in a rotary kiln
Webinar:	22 July 2021	The benefits of consolidating your data to manage costs and reduce risks.
Webinar	27 July 2021	Huawei
Webinar Series	28 July/25 August/ 22 September 2021	Mineral Project Valuation 2021
AUGUST 2021		
Online Conference	3-4 August 2021	DIMI
Online Conference	16-17 August 2021	World Gold 2021
Webinar	24 August 2021	Ferronickel - Thermodynamics, chemistry, and economics
Webinar	26 August 2022	Decision Analysis in the Minerals Industry
SEPTEMBER 2021		
Webinar	9 September 2021	Productivity in the Minerals Industry
Online Conference	29 Aug-4 September 2021	International APCOM 2021
Online Conference	20-22 September 2021	5th Young Professionals 2021
Symposium	23 September 2021	Global Engineering Symposium
Webinar	29 September 2021	The benefits of consolidating your data to manage costs and reduce risks
Webinar	30 September 2021	The Economics of Mineral Projects
OCTOBER 2021		
International Online Conference	18-20 October 2021	Southern African Rare Earths 2021
Workshop	20-21 October 2021	Sancot Workshop
25-29 October 2021	25-29 October 2021	SAMCODES
NOVEMBER 2021		
Conference	15-26 November 2021	Tailings 2021
Online Colloquium	17 November 2021	Student Colloquium 2021
MAY 2022		
Conference	17-18 May 2022	Sulphuric Acid 2022
Workshop	25 May 2022	GMG Workshop
Workshop	31 May 2022	Introduction to Mine Design
JUNE 2022		
Conference	14-16 June 2022	Copper Cobalt 2022

As always, the TPC mandate remains unchanged and we will continue to:

- Innovate
- Facilitate the dissemination of relevant knowledge and experience to the benefit of all SAIMM members and stakeholders
- Facilitate independent fact-based discussion of topics of relevance to SAIMM members and stakeholders
- Foster collaboration in the interests of all our members and global stakeholders
- Encourage SAIMM members and our stakeholders to propose topics of interest for conferences or other events, and provide an independent platform for these events to be held
- Coordinate and support the events programme to ensure overall financial sustainability of the SAIMM.

2.3 International Tunnelling Association (ITA) and South African National Committee on Tunnelling (SANCOT)

H.J. (Ron) Tluczek (SANCOT – Chairman – 2 year term)

G. Keyter (SANCOT - Vice Chairman)

N. Nene (SANCOT Young Members Group – Chairman)

C. Jardine (Secretary)

P. Naidoo (Treasurer)

M. Wainstein (Technical Talks and Year-End Function)

J. Walls (Sponsorship and Marketing)

F. Pequenino (Publications)

C. W. Codrington (Liaison: SAICE Geotechnical Division)

R. Freese (Liaison: SAIEG)

B. Swarts (Liaison: Mining)

W. Joughin (Liaison: SAIMM)

R. Armstrong (Liaison: SANIRE)

Active (mature) members that will continue to support the new SANCOT committee include:

T.R. Stacey

G. Davis

J. Porter

D. Roos

P.H. Ferreira

M. Lebitsa

K. Jordaan

A. Widlake

J. Jansen

H. Wolfgang

I. Jacobs

International Tunnelling Association (ITA) News

The International Tunnelling and Underground Space Association (ITA) had planned to hold its 46th General Assembly along with the 2020 World Tunnel Congress (WTC) in Kuala Lumpur, Malaysia from 15 to 21 May 2020. However, due to COVID-19, this was cancelled.

The tunnelling industry gathered on 30 June 2021 in a virtual conference to hold the 47th General Assembly of ITA. This was the occasion for the worldwide NGO to give an overview on its main activities, list the main future events (Tunnelling Week), and review the achievements of the working groups. As planned, the updated strategy for the new three-year term was presented

The next annual meetings of the ITA General Assembly will be held at the following venues.

Copenhagen, Denmark, from 22 to 28 April 2022 during the ITA-AITES WTC 2022 'Underground Solutions for a World in Change'.

Athens, Greece, from 12 to 18 May 2023 during the ITA-AITES WTC 2023 'Expanding Underground: Knowledge and Passion to Make a Positive Impact on the World'.

Shenzhen, China, from 19 to 25 April 2024 during the ITA-AITES WTC 2024 and the 50th anniversary of ITA.

SANCOT News

One of the main focus areas for SANCOT is to promote interaction and closer communication between individuals and companies in the mining and civil industries, and to create a platform where expertise and experience gained in underground excavation can be shared.

To this end, an initiative was implemented in September 2017 where a Breakfast Talk is given prior to the regular SANCOT committee meetings. The talk was given at the offices of GIBB Engineering and Architecture, who also sponsored the breakfast. The Breakfast Talks were held every two months and anyone was welcome to attend.

However, due to the COVID-9 pandemic, these events were cancelled. Currently, SANCOT is looking to prepare a publication and web page which will highlight the various topics that have been presented and discussed at the SANCOT Breakfast Talks.

SANCOT was able to hold two virtual events where the following topics were discussed:

- Jason Cooper of Master Builders Construction Chemicals and Nick Chittenden of BASF gave a presentation on 'Recent Advances in Sprayed Concrete and Waterproofing of Tunnels'.
- Matthias Neuenschwander gave a presentation on the new Emerald Book, which is an International Federation of Consulting Engineers (FIDIC) specification specifically for underground works. Matthias was a member of ITA Working Group 3 that participated with FIDIC in developing this specification.

With several major tunnelling projects on the horizon, SANCOT is looking to increasing its membership and becoming more prominent in the tunneling and underground industry. Major projects which are either current or imminent are:

- The Lesotho Highlands Water Scheme, Phase II, which will incorporate the Polihali dam, the extension of the Muela hydroelectric complex and the construction of 38 km of water transfer tunnel. This scheme is current and will augment the water supply to the Gauteng area.
- The uMkhomazi Water Transfer Scheme, which will incorporate the Smithfield dam and 34 km of water transfer tunnel. This scheme is imminent and will augment the water supply to the area under the jurisdiction of the Umgeni Water Board.

SANCOT has also been revamped by nominating a younger committee. The intention is that this committee will have the enthusiasm to place SANCOT at the forefront of technical excellence and make it the 'go-to' for clients, consultants, contractors, technical institutions, etc.

3. Publications

R. Falcon, Chairperson

S.O. Bada	S. Ndlovu
R.D. Beck	P.N. Neingo
P. den Hoed	M. Nicol*
I.M. Dikgwatlhe	S.S. Nyoni
R. Dimitrakopolous*	N. Rampersad
M. Dworzanowski*	Q.G. Reynolds
L. Falcon	I. Robinson
B. Genc	S.M. Rupprecht
R.T. Jones	K.C. Sole
W.C. Joughin	A.J.S. Spearing*
A.J. Kinghorn	T.R. Stacey
D.E.P. Klenam	E. Topal*
H.M. Lodewijks	D. Tudor*
D.F. Malan	F.D.L. Uahengo
R. Mitra*	D. Vogt*
C. Musingwini	F. Uahengo

**International Advisory Board members*

3.1. Journal

Administration

Following the ASSAF SciELO Workshop held early in 2020, most of the recommendations for the upgrading of the SAIMM *Journal* have been or are in the process of being followed

- The Publications Committee expanded its numbers to meet the ASSAF requirement for representation from a wider selection of institutions. New members have joined the Publication Committee and a number of the International Advisory Board (IAB) agreed to join and attend Editorial Board meetings.
- Based upon ASSAF /SciELO rules, the SAIMM *Journal* no longer publishes papers previously published in peer-reviewed ISBN-registered conference proceedings. It will be recalled that the reason given for this rule was that internationally accredited journals are required to print 'new' or prime material first or lose their standing and accreditation.
- With the assistance of the SAIMM Technical Programme, a number of key papers from conferences were published in the Journal prior to or post the conferences for which the papers were prepared. The possibility of printing abstracts from conference proceedings in the Journal is currently being explored.
- Several themed editions of the Journal were produced in 2020/2021, with Guest Editors assisting the Publications Committee to call for specialized papers and to propose reviewers in those themes. Invitations were circulated to the SAIMM community inviting suggestions for further themes that would be of interest.
- The range of disciplines and sub-disciplines for which papers are accepted by the SAIMM *Journal* has been formalized.
- Guidelines for authors have been improved and updated, with new requirements from authors linked to the upgraded level of papers expected.
- The reviewer base has been increased, with improved reviewer turnaround time. Reviewers' benefits have been reviewed and updated.
- The printed versions of the Journal ceased during 2020/2021. The electronic copy is now circulated to all members and institutions. However, should universities and libraries require printed copies in future, the typesetting of the Journal is of a high enough quality that copies may be printed directly from the online version.
- The need to establish the level of plagiarism (similarity assessments) in papers prior to publication was reviewed. The ASSAF Platform Proposal for Editorial Management is under review and costs are being considered.
- The roles of the Publication Committee and the Editorial Board are hereby included once again for information.
 - The Publications Committee reports to Council: its duties are to manage legal, financial, administrative, and strategic matters,
 - The Editorial Board's task is to manage all aspects related to the publication of papers – namely, to ensure the delivery of higher quality of papers, the appointment of specialist reviewers, faster reviewing process times, and the recommendation of themes of specific interest to the SAIMM community.

In essence, the Publications Committee members also serve on the Editorial Board, but the duties of the two portfolios remain separate.

List of Journal Referees

Adetoyese Oyedun	Dohm Christina	Lozynskyi Vasyl	Radcliffe Peter
Akbay Deniz	Dombo Godfrey	Luckos Adam	Readett David
Annan Kofi	Du Plessis Anton	Mahmut Camalan	Reynolds Quinn
Annegarn Harold	Du Toit Cornel	Mahofa Eubert	Rider Phillip
Askari-Nasab Hooman	Dunn Michael	Malan Francois	Roberts Brian
Austin Mark	Durrheim Ray	Marriott John	Rowland Angus
Bada Samson	Dworzanowski Marek	Marshall Tania	Rupprecht Steven
Balfour Thuthula	Edwards Anita	Matsimbe Jabulani	Rust Jeantelle
Balt Karel	Eric Rauf	Mayton Alan	Saydam Serkan
Barakos George	Erwee Markus	McGeorge Norman	Sears Morgan
Barker Ian	Esterhuizen Essie	McKechnie Bill	Shackleton Natalie
Barnes John	Fatahi Mohammadreza	Michell Karen	Shipman William
Bascompta Marc	Feroze Tariq	Miller Graeme	Siyasiya Charles
Basson Ian	Ford Elizma	Minnitt Richard	Smart Leslie
Bazhko Olga	Fosso-Kankeu Elvis	Mitra Rudra	Snyders Cornelius
Becker Megan	Gal Martin	Mitri Hani	Sparrow John
Bergmann Carl	Garbers-Craig Andrie	Mmola Tshepo	Spearing A.J.S
Bhalla Amit	Ghasemi SAMAD	Moller Hein	Spies Linda
Birtles Andy	Goldbach Olaf	Mtegha Hudson	Spiteri William
Bissett Hertzog	Groot Dick	Mulenga Francois	Spottiswoode Steve
Bluhm Steven	Guest Alan	Musingwini Cuthbert	Stacey Thomas
Body Kathleen	Guthrie Tony	Mwamba Alain	Swanepoel Stefan
Bryson Lesley	Hadjigeorgiou John	Naik Sandip	Taskinen Pekka
Button Mark	Hancox John	Napier John	Topal Erkan
Cadden Alastair	Hardwick Ed	Ndiweni Ntabiso	Tsebe Sello
Campbell James	Heyns Stephan	Neingo Paskalia	Tudor David
Chetty Deshenthree	Hinde Adrian	Njowa Godknows	Usman Anwar
Clegg Alan	Hockaday Lina	Noppe Mark	van der Merwe Josias
Cloete Henri	Hunt JP	Ochieng Levi	Van der Merwe Nielen
Cooper Stephen	Joe de Beer	O'Connor Donald	van Rooyen Michelle
Copeland Andrew	Joughin William	Ortiz Julian	van Staden Petrus
Cornish Lesley	Kale Aditya	Pelders Jodi	Vogt Declan
Cresswell Mark	Kapageridis Ioannis	Pendock Neil	Wakefield Tim
Crundwell Frank	Kinghorn Andrew	Petersen Kurt	Wanless Mark
Cunningham Claude	Klenam Desmond	Phillips Huw	Wates John
Cunningham Gordon	Kotze Hanlie	Pieter Pistorius	Watson Ingrid
de Graaf Phil	Kumral Mustafa	Pistorius Chris	Wells John
De Graaf Wolter	Lane Gary	Pistorius Chris	Wesseloo Johan
De Jager Kobus	Language Brigitte	Pistorius Pieter	Whitefield David
De Korte Johan	Limpitlaw Daniel	Potgieter Herman	Wood Andrew
Dellas George	Lock Norman	Powell Malcolm	Woodhall Mike
Dikgwatlhe Pule	Lodewijks Henk	Poxleitner Gary	Yadroitsava Ina
Dixon Roger	Lomberg Ken	Prior Martin	Yilmaz Halil

Policy

Several important policy matters arose during 2021. These have direct relevance to the Journal and its activities.

Policies of principle: Editorial Board members presented talks on the following topics:

- **‘The Meaning of Research’** with special reference to how such concepts pertain to research papers and their publication. This has significant relevance to research institutions and their products, and directly to the assessment of prime research for publication. A report is due shortly.
- **Impact Factors (IFs)** and their relevance to the *SAIMM Journal*. The debate discussed the pros and cons of reaching for a high IF, given that two major communities are served by the *SAIMM Journal* – academia and industry. One requires only high-level papers of a pure scientific and academic nature (which would increase the IF for the Journal and engender funding to universities and research institutions), whereas the other requires papers of an applied technical and experiential nature (which would be welcomed by industry but would detract from increasing the IF). A report is due out on this shortly.

Policies of a national and legislative nature. Consideration was given to the following items in respect of their relevance to the *SAIMM Journal*.

- **Draft Data and Cloud Policy.** The question concerning the right of ownership of material stored in the cloud from whatever source in South Africa is under review by government. This is currently being aired in workshops called by the government, ASSAF and SciELO, and the Publications Committee/Editorial Board.
- **Open Science and IP Rights.** The question concerning the right of ownership of material generated by research, the development of new processes and technical plant, and the information in publications is under review by ASSAF and the Publications Committee/Editorial Board.
- **Environment, Social and Governance (ESG) in Mining:** This matter is still undergoing review, with the possibility of publishing an Article of Interest in the Journal to draw attention to the impact such a national policy may have on SAIMM members.
- **POPIA** (The Protection of Personal Information Act (POPIA) of 2013) was discussed with relevance to the private personal information of the Journal’s many hundreds of authors and reviewers. This matter is under review at Council and Management level.

Report on papers submitted for publication

Of the 71 papers published in 2020/2021, approximately 33% were from international sources. Three hundred and thirteen new papers were received, and 265 papers were in the process of review.

A number of books covering a range of topics remains in varying stages of production. ‘Johannesburg and its Holey Mining heritage’ and the 2nd edition of ‘Minerals and Metal Extraction’ are in proofreading stages.

In conclusion, the Editor and Editorial Board of the SAIMM are indebted to the extensive list of professional reviewers who undertake the onerous task of refereeing papers for the Journal. A considerable vote of gratitude is also due to the hard-working SAIMM Publications Manager, Kelly Matthee, the typesetter, Julie Malgas, and their team.

Journal programme for 2020/2021

- August – General papers edition
- September – SAMCODES/General papers edition
- October – Acid Mine Drainage edition
- November – Rare Earths edition
- December – General papers edition 2021
- January – General papers edition

Advertising

Journal advertising had a successful fiscal ending June 2020.

A special 125th SAIMM Anniversary edition was published in August 2019 which was well strategized, planned for and worked towards, for a full year prior. As a result, there was good advertising support. Thanks here must go to Sam Moolla, David Tudor, and Dawn van der Walt for their vision and input. The result is a historical record, a prestigious presentation of this, and an excellent record for the Institute.

The September 2019 Presidential Edition of the Journal showcasing Mzila Mthenjane’s address also attracted noteworthy advertising buy-in.

The January 2020 feature on Deep Mining touched a chord with advertisers and produced good revenue.

Overall for the period, the advertising income budget was exceeded by 32%, and advertising ended ahead of the previous fiscal period by +65%

The award for the most supportive advertiser, which considers all elements of the relationship, will be made to Elbroc Mining. Much of this relationship over many years was the result of the work of Jan van Jaarsveld, who is sadly not with us to be able to accept the award. RIP Jan.

4. Regional Development

Key Performance Areas

To promote the interests of members based in different regions, the SAIMM:

- Supports the establishment and maintenance of branches to satisfy the local needs of its members for professional association and the exchange of technical information
- Cooperates with other member societies of AS&TS and with associations and interest groups that have close ties with operating mines and metallurgical plants by holding joint technical meetings and collaborating in the field of publication.

4.1 SAIMM Branches

4.1.1 Botswana

Nothing to report this year

4.1.2 DRC Branch

S. Maleba, Chairperson

Nothing to report this year.

4.1.3 Johannesburg Branch

D.F. Jensen, Chairperson

K. Clarke	T. Mmola
Monica Cudjoe	M.K. Mtetwa
G. Dellas	S. Nhleko
C. Heili	N.A. Rampersad
R. Heins	S. Rupprecht
H. Jantzen	G. Stripp
A. Kinghorn	A. Wilkinson

The Johannesburg Branch's main activity was organizing technical presentations on a monthly basis from July 2020 to June 2021, excluding the December and January holiday months. These presentations were generally held on the third Thursday of each month, but because of the COVID-19 pandemic and the availability of Zoom meetings the Committee opted to split the technical presentation day from the Branch Meeting day. The third and the fourth Thursdays of the month were utilized with great success for these purposes. The Worley premises in Melrose Arch remain the preferred venue for these activities once social gatherings are once again permitted and prudent. The SAIMM and the Johannesburg Branch would like to acknowledge and thank Worley management for their continued support and look forward to resuming meetings once appropriate to do so.

During the period under review, the Branch Committee succeeded in securing six high-profile technical presentations, plus one students' debate which was held on 18 August 2020 and at which attracted a record attendance.

The Johannesburg Branch currently has a membership totalling 1183, a net gain of 174. It is notable that in spite of the dramatic drop in student members during the last 2 years (from 459 in 2018-2019 to 56 currently), attributed to the membership confirmation process being interrupted by the COVID-19 lockdowns and the suspension of university activities, student numbers doubled in 2021.

The Committee notes that despite the current downturn in the macro-economy, the mining sector remains relatively unscathed. However, some companies have either ceased trading or in the bid to survive are cutting costs, which often includes ceasing to pay professional institution memberships on behalf of employees. These conditions were reflected in the 30% decrease in overall Branch membership from 2019 to 2020. The 17% recovery from the 2020 numbers is encouraging but membership numbers remain a concern. Although student membership continues to be free, most students did not renew their membership at the end of the financial year. However a strategy to engage with our members and attempt to reconnect or maintain student connections will address these issues going forward.

The Branch greatly values students' involvement in its presentations, and notes that many of those attending have chosen to become Student Members of the Institute, with a good conversion rate to Associate Membership after graduation. However, the number of suspended memberships is unfortunate evidence of the economic impact of the COVID-19 pandemic and its knock-on effects. Student attendance was understandably constrained over the current session, being adversely impacted by external events such as the COVID-19 lockdown and the normal operating challenges that the universities face.

The challenging economic situation continues to put pressure on company sponsorships, and while the COVID-19 regulations will be with us in some shape or form for the foreseeable future, the Johannesburg Branch has successfully refocused and adjusted the technical presentation sessions to take advantage of the 'Zoom' era, recording good attendances from a wider geographic distribution than previously. We will continue with this format until the environment permits us to change to something different. However, the future is uncertain and we will remain flexible and ready to move with the times.

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Events

The Committee was able to secure 10 sponsors to support Branch events in the 2020–2021 session. The Branch did, however, decide to sponsor one private presentation, with very good results. The sponsorships received and accounted for ensured that the cost of the full programme of technical presentations held between July 2020 and June 2021 was fully funded.

The Johannesburg Branch began the 2020–2021 session with the Annual Student Debate, which due to the COVID-19 constraints was refocused as a panel discussion between industry leaders in the fields of graduate training, HR, and mentoring, entitled 'Training, mentoring, and knowledge transfer, futureproofing our industry', on 18 August 2020. The panelists were clearly well prepared, which resulted in a lively and interesting conversation providing food for thought for the attending students and graduates. The event was led by Russell Heins with Dr Graham Stripp, Sihe Nhleko, and Tshepo Mmola, and was fully sponsored by AMIS, Metskill, Tshipi e Ntle Manganese Mining, and the University of Johannesburg.

On 17 September 2020, Vaughn Duke the SAIMM President addressed the Branch on the subject of 'Ethical Leadership and the Future of the SAIMM'. The Committee was also motivated towards promoting his visions for ethical leadership in future events and their own personal and professional lives. Sound Mining provided full sponsorship for this event.

On 19 October 2020 Andrew Vietti addressed the Branch on the subject of 'Tailings dewatering trends over the last 40 years', a highly emotive and current topic, with a focus justifiably on tailings deposition in the wake of the Brumhadino tailings collapse. Vietti Slurries provided full sponsorship for this event.

We commenced the New Year on 18 February 2021 with a presentation which illustrated satellite-based technology and where it can be applied in our industry. This session was led by Nicolaas Steenkamp from Pink Matter Solutions and was fully sponsored by them.

On 23 March 2021 Jon Hericourt from Gold One Group presented a very interesting topic on 'Relating the function of hard rock pillars with concrete support', which assessed the effectiveness of different support mechanisms and their application in underground gold mining. Gold One provided full sponsorship for this event.

On 15 April 2021 Jeremy Clarke from Paradigm Project Management addressed the Branch on the subject 'From PEA to production'. His somewhat controversial view on the current requirement to progress all projects through the traditional stage gates of project management stimulated much discussion and debate. The event was sponsored by the Johannesburg Branch and proved to be a great success.

On 20 May 2021 Jeantelle Rust and J.P. Pieterse from the R&D Technology Division of Multotec Process Equipment addressed the Branch on the subject of 'Multotec - Interesting testing capabilities, results and developments', which provided a fascinating insight into what it entails to be industry-ready to accommodate the huge demand for beneficiation and processing equipment, and the technologies which are emerging to support these developments. This event was fully sponsored by Multotec.

Multotec invited the Committee for a site visit at their facilities in Kempton Park, and the Chairperson and George Dellas took them up on their offer.

Finance

The sponsorship fee has been reduced to R5 000 for the online events and is aimed at branding and marketing opportunity for the sponsor. This has succeeded in achieving its objective of fully funding the planned twelve-month programme of Branch activities. A modest surplus of approximately R78 938 resulted, and no invoices outstanding or remaining liabilities at the end of the financial year.

AGM

This report will be submitted at the Johannesburg Branch AGM on 5 August 2021.

General

The Branch Chairperson and Committee would like to express their appreciation to the SAIMM Secretariat, including Sam Moolla, Kea Shumba, Dennis Makondesa, Prudence Ntumeleng, Portia Malatji, and Camielah Jardine, for their efforts in the coordination and administration of Branch events. A very successful year was concluded, with the Chairperson thanking the Vice-Chairperson, the entire Johannesburg Branch Committee, and the SAIMM Office personnel for their hearty support in making the Branch one of the best performing branches of the Institute.

4.1.4 Namibian Branch

N. Namate, Chairperson

Nothing to report this year.

4.1.5 Northern Cape

I. Lute, Chairperson

J. Mans, Deputy Chairperson

A. Scullard, Secretary

T. Masuku, Treasurer

B. Kumalo

F. Nieuwenhuys

I. Tlhapi

The value proposition for 2020/2021 has been refined with specific focus areas while keeping the objectives of the SAIMM alive. The main focus areas are to enlist new members, acquire corporate support/sponsors, and to extend the geographical membership representation in the Northern Cape. The Branch also aligned its activities with the SAIMM's national Value Proposition, with priority placed on improving professional development of members, Ethics and Code of Conduct practices, networking and strategic relationships, Young Professionals establishment, diversity and Inclusion of women, and technical programmes through national participation of our members and regular webinars.

Branch Committee

The Branch Committee members were elected at the Annual General Meeting on 19 August 2020. The Committee meets monthly to discuss progress on the execution of the vision and to address any issues affecting the Branch.

Activities

Branch Virtual Webinars

04/09/2020—Improving Density Based Mineral Concentration through the use of Radio Frequency Identifiable (RFID) Density Tracers

28/10/2020—The changing world of project development and delivery in mining.

15/04/2021—Characterisation of Iron Ore and Manganese for resource optimisation.

Branch Year End Function

25/11/2020—Namakwari Lodge

Student Live Event

4.1.6 Pretoria Branch

S. Uludag, Chairperson

Nothing to report this year.

4.1.7 Western Cape Branch

A. Nesbitt, Chairperson

M. Tadie, Treasurer

C. Pomario, Secretary

L. Bbosa

R.D. Beck

M. Becker

D. Deglon

C. Dorfling

A. Mainza

T. Moyo

T. Ojumu

J. Petersen

M. Solomon

Sadly, the activities of the Western Cape Branch SAIMM have been somewhat restricted as a result of the COVID pandemic, with both the University of Cape Town and University of Stellenbosch having to take extraordinary measures, including virtual teaching and presentations. However, there have been regular combined SAIMM and UCT/Minerals to Metals (MtM) webinars in which members of our Committee involved in the MtM initiative, have played a role. I mention specifically Professor Jochen Petersen for his initiative here. Seven webinars have been held on subjects such as 'Empowering the African Minerals Industry through diversity and inclusion', expertly managed by Camielah Jardine of the SAIMM.

The Western Cape Branch has traditionally held a student colloquium every two years. The last, held in 2019, was extremely successful, and we will probably have another such event before the end of this year. At this point the Committee is still awaiting a report-back from Professor Christie Dorfling about the involvement of the University of Stellenbosch, and also from the University of Cape Town. It has been suggested that although such a meeting would have to be held virtually over a number of days, an outdoor function at the end would assist

with the important aspect of networking, all COVID protocols being respected. Any attempt to do something outdoors will probably require that this function be held well into the spring.

There has also been a suggestion that there be a repeat of the highly successful lunch for retirees held in November 2019, although this would have to be carefully timed to fit in between the COVID waves, which now appear to be a semi-permanent fixture.

4.1.8 *Zambian Branch*

D. Muma, Chairperson
C. Mwale, Vice Chairperson
W. Munalula, Treasurer/Secretary
C. Ngulube
H. Zimba
Nothing to report this year.

4.1.9 *Zimbabwean Branch*

C.P. Sadomba, Chairperson
O. Zvarevashe, Secretary/Vice Chairperson
W. Kutekwatekwa, Treasurer
M. Hungwe, Youth Development
A. Chinhava, Youth Development
Professor Dzinomwa S. Matutu
S. Gaihai S. Ndiyamba
Professor Ityokumbul C. Tahwa

The period under review was significantly affected by the COVID-19 pandemic, which saw planned plant visits and tours as well as the annual conference cancelled in line with local, regional, and international restrictions and lockdowns.

Membership

The recruitment of new members was targeted at final-year students from the tertiary institutions offering mining and metallurgy programmes, but the drive was affected by COVID-19. A number of YPC activities and institution visits that were postponed the previous year are still on hold. Focus was also concentrated on retention of members, as it was very difficult to get new members due to the harsh socio-economic situation in Zimbabwe. Total membership is currently at 697.

Distribution of membership is as follows.

Membership type	2020/2021
Fellow	4
Life Fellow	1
Associate	91
Corporate	127
Retired	1
Student	473
Total	697

Conference

The 2020 conference was not held due to the COVID-19 pandemic. Members and sponsor organizations were not spared by the economic hardships, so it was decided to skip the annual event for the year.

Youth Development

The membership recruitment drive targeted at students was not successful in the 2020/2021 period because of the COVID-19 pandemic, which disrupted all the planned activities at the various institutions. YPC Zimbabwe is still engaging on means to assist the universities in achieving their learning objectives during the pandemic.

In 2020, Zimbabwe had no representation at either the Young Professionals Conference or the Annual Student Colloquium. Three young professionals from Zimbabwe were involved in the mentorship programme carried out by the YPC South Africa. YPC Zimbabwe Branch is currently drafting its own mentorship programme to suit the environment in the country. Zimbabwe had two participants in the Tuesday webinars hosted by the YPC.

The Young Person's Lecture Competition in Zimbabwe was postponed to a date yet to be advised.

Finance

Effective 24 June 2019, the government of Zimbabwe banned the use of multiple currencies for local transactions and legislated that the Zimbabwe dollar was the only legal tender to be used in the country. This changed in April 2020 when the government authorized the use of the US dollar as a stopgap measure in response to the COVID-19 pandemic. The use of multiple currencies has since become the norm.

With the administration of the Zimbabwe Branch now transferred to the South Africa Branch, due to the lack of resources in the country, the details of the financial report will be covered in the South African Branch report for the period under review. However, to ensure members are easily able to keep up with their membership payments, subscriptions can be paid in local currency at the prevailing bank rate into the Chamber of Mines Zimbabwe account or in SA rands into the SAIMM main branch account..

Branch Events

The Branch managed to host one event during the period. This was a very well attended webinar on 24 November 2020. The CEO of Coal South Africa, Mr July Ndlovu, who in July 2020 was appointed Chairman of the World Coal Association (WCA), presented on the topic 'Coal at the Crossroads'. The presentation was highly interactive and engaging as the subject of the future of coal in a world that is on a path to green and clean energy technologies was tackled. Further events of a similar nature will be planned for the coming year, given the continued uncertainty and new waves of the COVID-19 pandemic emerging at a time that vaccination efforts in the region remain slow.

Committee Members

The Zimbabwe Branch Committee members for 2020/2021 remained as for the 2019/2020 period. A new Committee will be elected for the 2021/2022 session and nomination and election processes are currently underway.

Way Forward

In the light of the global changes brought about by the COVID-19 pandemic, the Branch is exploring ways of increasing the number of virtual events in order to regain the momentum that was gained over the last few years. Membership drive outreach to the higher learning institutions in the country will also be refashioned as soon possible so that these can be conducted virtually once the situation at the institutions stabilizes in light of the various restrictions and changing calendars that have resulted from the pandemic. Mentorship programmes will also be started to ensure active participation of members.

4.1.10 Zululand Branch

C. Mienie, Chairperson

The Branch was Inactive during the 2020/2021 period and is going through a re-building, starting with a new Committee. The only persons remaining from the previous committee are the Chairman and one member. The others were either transferred by their employers, relocated elsewhere in South Africa or abroad, or retired. The selection of committee members (bringing in younger blood) is taking longer than anticipated but should be completed by end October.

The COVID-19 pandemic affected the plans to kick-start the Branch directly

Branch Activities

Finalizing the Branch Committee is the main objective for this year. Following this, the secondary focus is to grow SAIMM membership in the Zululand and wider area to increase participation in SAIMM activities. No physical meetings were held during the year due to the COVID-19 threat.

Activities planned for the year ahead

- Finalization of Committee – end October
- Fourth quarter technical presentation
- Social – end of year wine or whiskey tasting.

5. International liaison

There is nothing to report this year.

Key Performance Areas

To achieve its objectives, the SAIMM

- *Participates in and represents South Africa on bodies such as the Minerals, Metals & Minerals Society (TMS), and together with Mintek on Infacon*
- *Appoints corresponding members in areas such as Australasia, Botswana, Brazil, Canada, Chile, Europe, the Far East, Ghana, New Zealand, the UK, and the USA, and interacts with sister institutions in other countries to promote international exchange of scientific and technical information.*

5.1 APCOM

The following members comprise the Organizing Committee

C. Musingwini, Chairperson

C.E. Dohm

G.R. Lane

P. Leeuw

M. Mabala

L. Mai

R. Mitra

T. Otto

D. Rose

S. Uludag

M. Woodhall

The Organizing Committee is supported by the following members of the SAIMM Secretariat:

C. Jardine
G. Charlie
T. Letlhaku
N. Mamdoo

International APCOM Council

An International Council provides oversight of APCOM. It comprises the following members:

Dr Winfred Assibey-Bonsu (Council Chairperson) - Southern African Institute of Mining and Metallurgy, South Africa and Gold Fields Corporate Technical Services, Australia
Dr Sukumar Bandopadhyay - Society for Mining, Metallurgy and Exploration, Inc., USA
Dr Ernest Baafi - Australasian Institute of Mining and Metallurgy, Australia
Prof Roussos Dimitrakopoulos - McGill University, Canada
Dr Sean Dessureault - Mosaic, USA
Dr Kadri Dagdelen - Colorado School of Mines, USA
Dr Andrej Sublj - Institute of Mining, Geotechnology and Environment, Solvania
Dr Nelson Morales - University of Chile, Chile
Dr Wang Yuehan - China University of Technology, Beijing, China
Dr Christoph Mueller - MobileTronics-Silesia GmbH, Germany/Poland
Dr Cuthbert Musingwini - University of the Witwatersrand, South Africa
Dr Joao Felipe - Federal University of Rio Grande do Sul, Brazil
Dr Julian Ortiz - Queen's University, Canada
Dr Andrea Brickey - South Dakota School of Mines & Technology, USA
Dr Victor Tenorio - University of Arizona, USA

40th APCOM International Symposium 2021

APCOM is a series of international conferences that started in the USA in the early 1960s. APCOM stands for the Application of Computers and Operations Research in the Mineral Industries. Historically, the conference has been held as a face-to-face contact event. APCOM 2021, the 40th conference in the series, was initially planned as a hybrid event with delegates hosted at the Misty Hills Conference Centre, Muldersdrift, Johannesburg, South Africa. However, this plan was cancelled due to the travel restrictions and health impacts associated with the COVID-19 global pandemic. The conference will, therefore, be held fully online for the first time this year. The theme of the conference is 'Minerals Industry 4.0: The Next Digital Transformation in Mining'. It will run over three days from 30 August to 1 September 2021. The preliminary programme is packed with quality papers and the timing of the presentations accounts as much as possible for the different time zones of presenters, and the broad themes or categories of the papers. The programme also includes an impressive line-up of international keynote Speakers. More details are available on the conference's live website: <https://apcom2021.com/>

APCOM host cities since the 1980s

1986 University Park, Pennsylvania, USA
1987 Johannesburg, South Africa
1989 Littleton, Colorado, USA
1990 Berlin, West Germany
1992 The University of Arizona, USA
1993 Montreal, Quebec, Canada
1995 Brisbane, Australia
1996 University Park, Pennsylvania, USA
1997 Moscow, Russia
1998 London, UK
1999 Colorado School of Mines, Golden, USA
2001 Beijing, China
2003 Cape Town, South Africa
2005 Tucson, USA
2007 Santiago, Chile
2009 Vancouver, Canada
2011 Wollongong, Australia
2013 Porto Alegre, Brazil
2015 Fairbanks, Alaska, USA
2017 Golden, Colorado, USA
2019 Wroclaw, Poland
2021 Johannesburg, South Africa

5.2 INFACON

R.T. Jones, Chairperson

I.J. Geldenhuys, Secretary General

The International Ferro-Alloys Congress (Infacon) was founded in South Africa in 1974 by the SAIMM, NIM (now Mintek), and the Ferro-Alloys Producers' Association (FAPA) when the first Infacon was held in Johannesburg. Infacon events are overseen by an international governance structure that is now known as the International Committee on Ferro-Alloys (ICFA), which has representation from major countries that produce and consume ferro-alloys. ICFA has the primary objectives of promoting the holding of the International Ferro-Alloys Congress every three years in appropriate locations around the world, and ensuring that the high technical standard of papers and presentations is maintained. Mintek provides the secretariat for ICFA.

Infacon is known as the premier technical conference serving the international ferro-alloys industry. Congresses have been held in twelve different countries around the world. Previous events have taken place in the following locations:

1974:	Infacon I – Johannesburg, South Africa
1980:	Infacon II – Lausanne, Switzerland
1983:	Infacon III – Tokyo, Japan
1986:	Infacon IV – Rio de Janeiro, Brazil
1989:	Infacon V – New Orleans, USA
1992:	Infacon VI – Cape Town, South Africa
1995:	Infacon VII – Trondheim, Norway
1998:	Infacon VIII – Beijing, China
2001:	Infacon IX – Quebec City, Canada
2004:	Infacon X – Cape Town, South Africa
2007:	Infacon XI – New Delhi, India
2010:	Infacon XII – Helsinki, Finland
2013:	Infacon XIII – Almaty, Kazakhstan
2015:	Infacon XIV – Kyiv, Ukraine
2018:	Infacon XV – Cape Town, South Africa

The next congress, Infacon XVI, will be held in Trondheim, Norway from 26–29 September 2021, and will be chaired by Aud Nina Wærnes, Centre Director of SFI Metal Production at SINTEF. Because of the global COVID-19 pandemic, the original conference date was shifted by a few months and the conference venue was changed. The Congress is planned as a hybrid event to accommodate both those (mostly from Norway and other countries where the pandemic is under control) who are able to attend in person, as well as international participants who are unable or unwilling to travel under the current circumstances. The planning and organization of the conference is well underway, and there is a full programme of papers submitted from a wide variety of countries. Further up-to-date details are available from the conference website at <http://infacon16.com>.

Infacon is set up on the principle that the sharing of technical information benefits the industry greatly. The publication of scientific and engineering work is vital. The Infacon series of congresses is well known for the quality of its papers, due largely to the considerable work that is put into the reviewing process. ICFA has a policy of making papers from all Infacon events, current and past, freely available via open access, and these are available online.

ICFA contacts:

Chairperson: Professor Rodney Jones rtjones@global.co.za

Secretary General: Isabel Geldenhuys IsabelG@mintek.co.za

Infacon website: <http://www.pyrometallurgy.co.za/Infacon/>

5.3 SAMCODES Standards Committee (SSC)

T. Marshall	Chairperson
A. McDonald	Deputy Chairperson
S.M. Rupprecht	Past Chair
S. Moolla	Administrator
K. Lomberg / T. Flitton	SAMREC/CRIRSCO
A. Van Zyl / V.G. Duke	SAMVAL
P. Dekker	SAMOG
T. Steele-Schober	SAMESG
R.J. Dixon	SAIMM/ CRIRSCO
S. Siwela	GSSA
A. de Bruyn	JSE
R. Ingram (Solid Minerals) A. Clay (Oil & Gas)	Readers Panel
A. Bals	IMSSA/ SAGC

J. Witley	GASA
M. Booysen	Law Societies of South Africa
K. Davies	SAICA
B. Williamson	IASSA
K. Lehong /L. Pieterse	Council for Geosciences
C. Teffo	Minerals Council South Africa

Observer Organizations

P. Rampersadh / G. Botha	SACNASP
No Representative	ECSA
M. Kabai	FSCA

SAMCODES Committee Activities (2020)

The SAMREC Committee (Ken Lomborg, Chair) has been involved in the following key activities

- Issues surrounding the ability of CPs to complete site visits during the COVID-19 crisis.
- Discussions around the application of SANS 10320 within SAMREC
- Rollout and application of the SAMCODES app on Android and Apple platforms
- Discussion around the CRIRSCO definitions
- Issues around the application of SK-1300
- Reviews of 'Independence', an issue raised by the JSE, who are considering requiring independent sign-off for new listings (and possibly material change documents)
- Issues around how to integrate ESG requirements into SAMREC.

The SAMVAL Committee (Andrew van Zyl, Chair) has been involved in the following key activities:

- Ongoing discussions around real and nominal financial models
- Furtherance of some of the 'parked' Issues
- Discussion around the compilation of 'Guidance Notes' for the website
- Discussion of how to attract additional corporate members
- Reviews of 'Independence' (see previous paragraph)
- Support of the IMVAL website, which will now be set up independently.

The SAMOG Committee (Peter Dekker, Chair) has primarily been involved in the update of the SAMOG Code, based on issues developing from a review of the PRMS/COGEH reporting systems.

The SAMESG Guideline Committee (Teresa Steele-Schober, Chair) has been involved in the following key activities:

- Sensitization of geoscientists and engineers to the importance of ESG issues
- Update of SAMESG Guidelines to make them more user-friendly, including issues such as how the Guidelines can be applied by junior companies and artisanal operators, as well as by major corporations, and how the level of detail should increase from desktop studies to mine closure plans
- Reviewing the new ESG requirements proposed for the updated PERC Standard
- Playing a role in various international ESG round-table discussions
- Issues surrounding integrating ESG issues into CRIRSCO.

Education and Promotion

- The SAMCODES committees have been involved in a number of presentations during 2020, all of which have been held online.
 - Introduction to SAMCODES/JSE Compliance (11 August – 1 September)
 - GSSA/SACNASP CPD workshop (8 October)
 - SAMESG workshop (5 November)
 - YPC: SAMCODES for Young Professionals (17 November).
- The SAMOG workshop which was to be held (live) in Johannesburg in early March was cancelled due to low numbers of registrants. However, a SAMOG component was included in the Introduction to SAMCODES/JSE Compliance course being held online in August. SAMOG will continue to be part of the biannual online workshop. In addition, specialized contact courses may be resumed in Cape Town once the new updated Ccode is released and there is sufficient commercial reason to do so.
- The SAMVAL for non-Technical Professionals workshop that was to be held at the end of July in conjunction with the JSE was cancelled due to insufficient interest. The few delegates that were registered eventually registered for the Introduction to SAMCODES/JSE Compliance online course. This introductory course was very well attended by both experienced CPs and new entrants. Due to the apparent lack of appetite for such a course from the investment/accounting fraternity, it is being considered whether to include it in the biennial SAMCODES/JSE Compliance online course.

- The CPD workshops, while not directly related to SAMCODES training, are relevant to all CP/CVs registered with SACNASP and/or the GSSA. These are held twice a year online.
- Additionally, SAMCODE presentations have been made at the GSSA Geoskills workshop (July 2020) and the GSSA Project Management course (October 2020). A presentation was also planned for the SAIMM YPC Conference in March 2020, which has been postponed due to the lockdown.
- The SAMESG Workshop (the importance of ESG in public reporting) was a new offering by the GSSA and was not as well attended as it could have been. However, the delegates did indicate a general buy-in by industry, and also highlighted a number of issues that the SAMESG Committee would need to consider in the update of the Guidelines. It is envisioned that this workshop will become an annual event, possibly combining with elements of the Global Standard on Tailings Management.
- During August 2021, the GSSA is organizing an ESG Inquisition (planned to be over two half-days (10–11 August 2021) from 9.00–13.00 each day). The focus of this Inquisition is to hear from mining companies and mining practitioners about the challenges they face, the benefits they have found, and what they would like to see in the ESG reporting regime. The feedback from this Inquisition will be used to inform the forthcoming SAMESG and SAMREC updates.

Most delegates polled supported the online format of workshops, especially for the Introductory SAMCODES course, which might also gain traction as an ‘on-demand’ option in alternate years. It is, however, felt that some courses (SAMCODES Advanced Workshop, SAMCODES Conferences, for example) should still be held as contact or hybrid events). The COVID-19 situation is still fluid, and it is uncertain which format many conferences will take in 2021. The ongoing situation will be closely monitored in conjunction with the relevant conference/workshop organizer and decisions will be taken at the appropriate time, keeping in mind both the safety of delegates and the prevailing economic situation.

SAMCODES website

- Some 22% of individuals who access the SAMCODES website do so from a mobile device. This number has risen from around 16% since the SAMCODES app was launched recently. It is now much easier for users to access the codes from wherever they are.
- Over 48% of users are under 34 years of age, indicating (hopefully) the interest that younger professionals are taking in the Codes. Users in the 18–24 year age range have increased by almost 10% since all African universities were granted free access to a recorded version of Professor Steven Rupprecht’s ‘Introduction to the SAMCODES’ course at the end of February 2021.
- Almost 47% of users are female – indicating the increase in diversity in the minerals industry.
- Unsurprisingly, the majority of users (55%) are located in Africa, primarily South Africa. The balance is spread out over the Americas and Europe (29%), as well as Australasia and Asia (16%).

International developments

- CRIRSCO: Ken Lomberg is the CRIRSCO Chair for the period 2020/2021. The 2020 Annual Meeting was held virtually during September, with the SAIMM acting as Secretariat. The meeting comprised six three-hour sessions. This year, each NRO was allowed to nominate four additional observers and they were invited to observe three of the six sessions, namely the report-back session, some of the business aspects, and a technical session. The SSC Chair, SSC Deputy Chair, SAMREC Deputy Chair, and the GSSA representative on SAMREC were nominated as observers from SAMREC. The 2021 Annual Meeting is planned to be held in Johannesburg during 11–16 October, if possible; if not, it will be a virtual meeting again.
- The progress of IMVAL remains slow. Andrew van Zyl is the SAMVAL representative on IMVAL, with Peter Dekker as an observer/alternative.
- The UNFC continues to drive the evolution of national reporting for governmental inventory. Roger Dixon represents CRIRSCO on this committee as an observer member. Current proposals are around creating national and/or regional centres of excellence and the development of ‘Competent Persons’. This latter issue will be carefully monitored so as to avoid confusion around the CRIRSCO definition of CPs. Mr Ed Swindell (GSSA) and Mr Roger Dixon (SAIMM) are both on the international committee dealing with this.

Other

- During March 2021, the Engineering Council of South Africa (ECSA) gazetted a Board Notice on the Identification of Engineering Work. A number of queries arose with respect to the reservation of work identified within the mining engineering discipline (Clause 14) and how this might affect persons registered as professionals with other Councils or professional bodies. The GSSA and SACNASP are following up and the membership will be advised of developments in due course.
- Although a ‘sponsorship’ page has been added to the website, no enquiries have been received (other than for the SAMREC app). It is thought that perhaps the main reason for this lack of interest is the economic situation brought about by the COVID-19 pandemic.
- No complaints were received at the SSC during 2020. Far from being an indication that public documents are without issues, this reflects the apathy of readers who are willing to complain but who are not prepared to lodge a formal complaint. It also highlights the fact that many consultants are prohibited from lodging formal complaints due to confidentiality clauses in their client contracts, as well as the fact that the JSE prohibits members of the Readers Panel from lodging complaints about the documents that they review prior to them becoming public.
- During April 2021 the Investment Analysts Society (IASSA) discussed organizing their annual awards event as a virtual event (probably in July/August of 2021). In order to streamline the process, they are cutting down on the number of awards presented and have requested that the SAMREC/IAS Award for Smaller Capitalisation Companies be removed from the line-up. Consequently, only one SAMREC Squirrel will be awarded going forward.

- In order to promote the inclusion of ESG issues in Annual Reporting by listed companies, the SSC has agreed to sponsor an award that is aimed at encouraging voluntary excellence in this regard. The maiden award is planned for 2022, for IARs produced in 2021. This award was initially planned to be a Squirrel, but this has had to be reassessed, given the new IASSA arrangement noted above.
- One of my long-held desires has been to assist with making SAMCODE awareness part of the university curriculum. It has been relatively easy for SSC representatives to present introductory courses in Johannesburg and Pretoria. However, it is much more difficult to expand this to universities further afield. During November of 2020, Professor Steven Rupprecht presented a half-day introductory SAMCODES awareness workshop which has been recorded, and the SSC (in conjunction with the SAIMM) has agreed to make this available free of charge to the Heads of Departments/Schools of Geoscience and Mining at all African universities to use in their teaching programmes. The YouTube link was sent out to over 40 university departments in February 2021.
- In December 2021, the SAIMM will appoint the SSC Chair for 2022/2023. Mr Andy MacDonald will take over as SSC Chairperson and I will retire to the role of immediate Past Chair. Mr Sifiso Siwela will take up the position of Vice Chair and a suitable candidate will be appointed to take over as the GSSA representative.

6. Management and Administration

Portfolio Holder: V.G. Duke

The Secretariat consists of:

Sam Moolla (Manager)
 Gugu Charlie (Conference Coordinator)
 Camielah Jardine (Head of Conferencing)
 Tshepiso Letlhaku (Conference Secretary)
 Dennis Makondesa (Accountant)
 Portia Malatji (Accounts Assistant)
 Zuliakha Malgas (DTP Operator)
 Nazli Mamdoo (Conference Publications Coordinator)
 Kelly Matthee (Journal Coordinator)
 Prudence Ntumleng (Membership Assistant)
 Keabetswe Shumba (Membership and Branch Liaison Administrator)
 Tsholo Sole (Receptionist and Assistant to the Manager)

The SAIMM, Office Bearers, and Council would like to record their appreciation to the Secretariat for all their hard work and efforts.

6.1 Finance

Portfolio Holder: W. Joughin, Honorary Treasurer

Overview

The COVID-19 pandemic had a major effect on the financials for the year ending June 2021. The important figures from the Financial Statements are provided below.

Category	2021	2020	%
R million			
Assets	32.2	29.5	9.2
Equity	30.8	27.0	14.1
Liabilities	1.4	2.5	-48
Revenue	4.6	9.9	-53.5
Cost of sales	2.9	6.8	-55.9
Operating exp	5.9	7.5	-21.3
Surplus/deficit	-2.7	-4.2	
Investments	6.5	-1.4	
Net position	3.8	-4.7	

We have recorded:

- TA 54% year-on-year drop in income
- TA significant reduction in expenditure
- TA deficit of -2.7 million
- TA net position of R3.8 million, which is mainly due to a good return on investments

Income

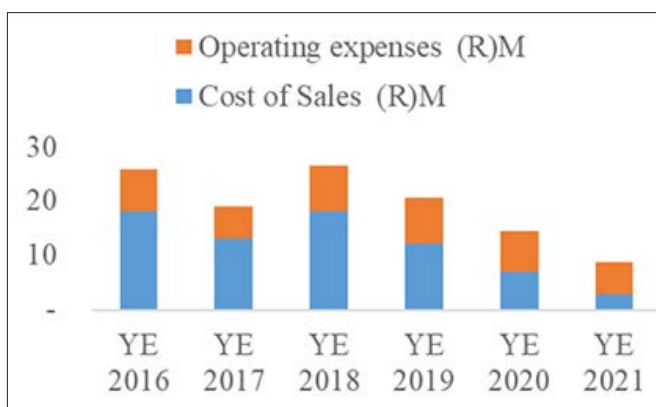
Income dropped to a new low of R4.6 million, with only R0.5 million contributed through online conferences.



The graph illustrates how dependent this Institute is on generating income through our Technical Programme Committee's (TPCs). Online conferences failed to raise sufficient revenue to cover costs. This highlights the need for a change in strategy, which has been a key focus during the last year.

Expenditure

Our management staff have done well to contain expenditure. The cost of operating online conferences is substantially reduced. The decision to only print journals on request has provided a permanent saving of R0.5 million. Relaxation of rent during COVID has also played a role. The total reduction in operating expenses was R1.7 million, compared with the previous period (R3.6 million).



Cash flow management

Your administrative staff have worked hard to keep costs down. Total trade and other receivables stand at R0.7 million, which is a great improvement on last year's R1.8 million.

Numerous cutbacks were implemented in response to COVID-19 and this improved cash flow during the year. The drawdown from the AFC fund was limited to R1.5 million, which was only required in June 2021.

Future revenue remains uncertain. We are actively exploring new ways to earn revenue. It is hoped that corporate memberships will increase during the next financial year.

Investment Portfolio

These savings are in an investment portfolio, which performed unexpectedly well due to buoyant markets. Income from dividends was R0.6 million. The investment increased significantly during the year.



The year ended June 2021 closing balance, including cash reserves, was R29.1 million. The movement is reflected below:

- Income from dividends of R0.6 million
- A fair value adjustment of R5.9 million
- A drawdown of R1.5 million.

This latest drawdown brings the total amount used from savings over the past eight financial years to R20.0 million.

Non-TPC Activities

The revenue and costs linked to non-TPC related activities are presented in the table below.

Area	Revenue R million	Cost R million
Journal & advertising	~0.5	~1.0
Membership & admin.	~3,8	~7.6
Annual Banquet	~0.0	~0.0
Branch activities	~0.03	~0,02

Adverting revenue dropped significantly and income from subscriptions remained constant. A total of 276 members were removed from our membership register due to non-payments. We now have 2403 paying members.

Expenses on member benefits included:

- Subscription to the Technical Library
- Subscription to OneMine.org
- Subscription to GMPA.

Closing

I wish to thank Sam Moolla your Office Manager, her accountant Dennis Makondesa, and all of the SAIMM staff for their hard work while dealing with budget constraints.

I also appreciate the contribution of our Auditor, Genesis Chartered Accountants, and thank them for their services over the past twelve months.

Finally, we must not forget the contribution from Dee Campouroglou who manages our investment portfolio. She has materially grown our investment savings over the years and we thank her for this.

New Members

Members

J.A. Laubscher, L. Musonda, N.R. Backeberg, S. Banda, J. Cronje, A.D.R. De Beer, N.D.C. De Oliveira Ganda, G.S. Kambewa, L.M. Linzer, M. Madiba, M. Malunga, A. Maposa, S.L. Msibi, R. Naidoo, J. Peceur, N.V. Sibiyi, X. Bonani, D.J.M. Ferreira, J. Kemp, H. Vutete, C.M.I. Rajlic, A. Savvas, C.J. Botha, R.N. Goba, G.B. Henshall, T.M. Manyumwa, R.D. Bartman, O. Clement, P.W. Lotz, K.A. Makuwe, M. Ncube, M. Thela, L. Gwara, T.C. Molelekwa, C. Mtileni, E. de Villiers, E. A. Busane, J. Maharaj, R. Zoutendyk, Z. AYTAŞ, N. Saber, Z. Ratombo, R. Nemutandani.

Associates

C.T. Chijara, D.J. Jacobs, S.V. Lingampally, M.E. Mabilo, H. McGinn, N.P. Mkwenkweni, S.J. Naicker, T. Nghipulile, L.L. Santo, J. Taguta, L.I. Tungamira, D.V. Vuppuluri, N. Wanblad, K.Y. Janvier, M. A. R. Motlokoane, K.C. Mashita, L. Mudede, L.N.T. Vushe, M. Serapelwane, X. Fan, N. Manikela, K.P. Mokhudu, A. Narain, C. Chipoperwa, T.D. Tumelo, R. Weideman, V.B. Ndlovu, A. Jingo, B. C. Kunene, M. Magavadera, F. Kazhanje, V. Gumede, M. Kawawa, Z. Lukhele, S. Muedi, M. Mukwevho, K. Rubikesan, T.L. Tatolo.

Students

T.M. Kekana, A.Q. Vilakazi, M. Mafuza, M.A. Mokoena, I. Ali, O. Dayo-Olupona, M.R. Fatahi, R. Lobow, J.J.K. Mbayo, S. Teimouri, T. Makofane, T. Mahlaela, S. Qayiyana, T.M.R. Rampedi, N.K. Selemela, T. Oates, A.S. Kabamba, P. Shayi, P. Muke, F.N. Sambo, K. Rakoma.

Company Affiliates

Castle Lead Works, Ex Mente Technologies (Pty) Ltd, Mining Projections Concepts (Pty) Ltd, Rams Mining Technologies, SISA Inspection (Pty) Ltd, Gravitas Minerals (Pty) Ltd, Traka Africa (Pty) Ltd.

Resignations

Fellows

M. Burnett, D.de Nooy, Craig Goodall, K. Lyell, F. Rauschnig.

Members

C.J. Helfer, K.D. Meiring, C. Nell, V. Novy, M. Ruppert, S. Rusere, B.W. van der Nest, T.R. Curr, M.D. Davidson, H.N. Hannweg, I.M. Matheson, C.S. Naude, J.K. Vermaak, C.D. Miles, H. Urcan, Johnathan W. Venter, W. Baguley, M. Sturgeon, R. van Nieuwenhoven, E.C. Lennox, S. Boodhraj, C. Dekker, P. Dawson, A. King, W. Van Wyk, V. Nkulu.

Associates

A. Bisnath, F.J. Du Randt, L. Gyffenberg, S. Gunpath, H.C. Jennings, J.W. Laing, M.M. Magwede, J.L. Möller, R. Oppermann, M. Moyo, F. du Toit, K.M. Kirk, J.S. van Heerden, D.K. Joubert, B. Harvey.

Retired Fellow

R. Mills.

Retired Members

P.L. Odell.

Company Affiliates

Verni Speciality Construction Products (Pty) Ltd, Leco Africa, Ramika Projects.

Members transferred to Higher Grade

Transfer from Member to Fellow

A. Singh.

Transfer from Associate to Member

B.F. Viriri, M. Boroko, M.J. Bronn, A. Mapuranga, E. Moonde, R. Peacock, F.D.L. Uahengo, M. van Rooyen, P.O. Akinseye, J.M. Dippenaar, M. Nyararai, I. Benning, H. Chisango, A.P. Esterhuizen, T. Chikande, H. Daun, C. Machio, R. Taute.

Transfer from Student to Associate

V. Musapingura, L. Sekwati, V.P. Guimaraes, T.H. Homera, A. Mapuranga, T. Shawa, V.K. Bashukwa, M. Mulangisi.

Transfer from Conference Associate to Member

S.M. Mabaso.

Members who retired

Fellows

R.C. Croll, C.B.T. Williams, R.A. Johnson, P.R. Thorburn, L. Sinclair, R. de Pretto, A. Kinghorn, R. Phillips, P. van Staden, M.J. Hill, R.H. Willis.

Members

F. Essrich, I.E. Kitchin, H. Lagendijk, L.M. Matthews, M.P. Reinecke, A.I. Valenta, L.C. Bradford.

Members who were re-admitted

Re-admitted as a Member

S.T. Mmokwa, M.N. Mzenzi, M. Nyamhuga, M.S. Zulu, M. Shamu, C.A Taylor, M.I. Tlhapi, W.J. Spies, G.H. Marsden, T.M. Nemavhola, M. Zvaraya, R. Govender.

Re-admitted as an Associate

M.E. Moitsi, T. Tarwirei, K. G. Aphane, W.Little, K.M. Phamotse, N. Mathebula.

Re-admitted as a Student

I. Breedt, A. Dubula, N. Uys, M. Amwele, S.Engelbrecht, M.S. phiwe Nyarela, A. Barnard, Z.P. Gqweta

Re-admitted as a Company Affiliate

Sibanye Gold Limited.

Members who were re-instated

Re-instated as a Retired Member

L.R. Smart.

Re-instated as a Fellow

J.J.L. Du Plessis.

Re-instated as a Member

S. Maleba, G. Mawere, N. Netshivhazwaulu, M. Mothengu, A.M. Moshokwa, N.Mugwadhi, R.J. Rutiri, J. Winnan, N.P. Kapalata, A.J. Joubert, R. Marota, E. Mugiya, M. Mulaudzi, D.A. Muridili, P. Ngwerume, E, Mugiya.

Re-instated as an Associate

C.A. Opperman, A. Auchterlonie, L.M. Kola, T.A. Matumbu, A. Coetzee, V. Tsotsotso.

Re-instated as a Conference Associate

Air Liquide (Pty) Ltd.

Deceased

Retired Members

A.W. Bagnall.

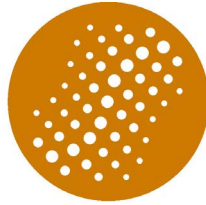
Honorary Life Fellows

F. Camisani-Calzolari, G.Y. Nisbet.

Fellows

M.J. Martinson, N. Singh, M.R. Tlala. ◆

The SAIMM thanks the following sponsors for their support



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MHSC

Mine Health and Safety Council





THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY
ANNUAL FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 JUNE 2021

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

General Information

Country of incorporation and domicile	South Africa
Nature of business and principal activities	The Southern African Institute of Mining and Metallurgy is a professional institute with local and international links aimed at assisting members to source information about technological developments in the mining, metallurgy and related sectors. This non-profit entity operates in South Africa.
Office bearers	V.G. Duke I.J. Geldenhuys Z. Botha W.C. Joughin E Matinde M.I. Mthenjane S. Ndlovu W.C. Joughin
Registered office	5 Hollard Street Marshalltown Minerals Council South Africa Building Johannesburg 2001
Postal address	PO Box 61127 Marshalltown Johannesburg Gauteng 2107 Chartered Accountants (SA) Registered Auditors
Level of assurance	These annual financial statements have been audited in compliance with the applicable requirements of the Companies Act of South Africa.
Preparer	The annual financial statements were independently compiled by: J Den Drijver CA(SA)

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Contents

The reports and statements set out below comprise the annual financial statements presented to the members:

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Statement of Changes in Equity	10
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The following supplementary information does not form part of the annual financial statements and is unaudited:	
Detailed Income Statement	19 - 20

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Statement of Office Bearers' Responsibilities and Approval

The office bearers are required by the Companies Act of South Africa, to maintain adequate accounting records and are responsible for the content and integrity of the annual financial statements and related financial information included in this report. It is their responsibility to ensure that the annual financial statements fairly present the state of affairs of the company as at the end of the financial year and the results of its operations and cash flows for the period then ended, in conformity with the International Financial Reporting Standard for Small and Medium-sized Entities. The external auditors are engaged to express an independent opinion on the annual financial statements.

The annual financial statements are prepared in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities and are based upon appropriate accounting policies consistently applied and supported by reasonable and prudent judgements and estimates.

The office bearers acknowledge that they are ultimately responsible for the system of internal financial control established by the company and place considerable importance on maintaining a strong control environment. To enable the office bearers to meet these responsibilities, the members set standards for internal control aimed at reducing the risk of error or loss in a cost effective manner. The standards include the proper delegation of responsibilities within a clearly defined framework, effective accounting procedures and adequate segregation of duties to ensure an acceptable level of risk. These controls are monitored throughout the company and all employees are required to maintain the highest ethical standards in ensuring the company's business is conducted in a manner that in all reasonable circumstances is above reproach. The focus of risk management in the company is on identifying, assessing, managing and monitoring all known forms of risk across the company. While operating risk cannot be fully eliminated, the company endeavours to minimise it by ensuring that appropriate infrastructure, controls, systems and ethical behaviour are applied and managed within predetermined procedures and constraints.

The office bearers are of the opinion, based on the information and explanations given by management, that the system of internal control provides reasonable assurance that the financial records may be relied on for the preparation of the annual financial statements. However, any system of internal financial control can provide only reasonable, and not absolute, assurance against material misstatement or loss.

The office bearers have reviewed the company's cash flow forecast for the year to 30 June 2022 and, in the light of this review and the current financial position, they are satisfied that the company has or has access to adequate resources to continue in operational existence for the foreseeable future.

The external auditors are responsible for independently auditing and reporting on the company's annual financial statements. The annual financial statements have been examined by the company's external auditors and their report is presented on pages 6 - 7.

The annual financial statements set out on pages 8 to 20, which have been prepared on the going concern basis, were approved by the office bearers on 10 August 2021 and signed on their behalf by:



President



Treasurer

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Office Bearers' Report

The office bearers have pleasure in submitting their report on the annual financial statements of The Southern African Institute of Mining and Metallurgy for the year ended 30 June 2021.

1. Nature of business

The Southern African Institute of Mining and Metallurgy was incorporated in South Africa with interests in the non-profit industry. The company operates in South Africa.

There have been no material changes to the nature of the company's business from the prior year.

2. Review of financial results and activities

The annual financial statements have been prepared in accordance with International Financial Reporting Standard for Small and Medium-sized Entities and the requirements of the Companies Act of South Africa. The accounting policies have been applied consistently compared to the prior year.

Full details of the financial position, results of operations and cash flows of the company are set out in these annual financial statements.

3. Office bearers

The office bearers in office at the date of this report are as follows:

Office bearers	Designation
V.G. Duke	President
I.J. Geldenhuys	President Elect
Z. Botha	Senior Vice President
W.C. Joughin	Junior Vice President
E Matinde	Incoming Junior Vice President
M.I. Mthenjane	Immediate Past President
S. Ndlovu	Co-opted to Office Bearers
W.C. Joughin	Honorary Treasurer

4. Events after the reporting period

The office bearers are aware of the covid-19 pandemic as well as the country's downgrade to sub-investment grade. The pandemic is considered to be a non-adjusting event and there is no immediate concern around going concern relating to these matters. Management are continually assessing and monitoring developments with regard to the disease and at the time of finalising the report, the office bearers are confident that our responses are adequate and the crisis is being continuously monitored to assess the impact on the company. The financial estimate cannot be determined reliably as the extent of covid-19 is unknown.

5. Going concern

The office bearers believe that the branch has adequate financial resources to continue in operation for the foreseeable future and accordingly the annual financial statements have been prepared on a going concern basis. The office bearers have satisfied themselves that the branch is in a sound financial position and that it has access to sufficient borrowing facilities to meet its foreseeable cash requirements. The office bearers are not aware of any new material changes that may adversely impact the branch. The office bearers are also not aware of any material non-compliance with statutory or regulatory requirements or of any pending changes to legislation which may affect the company.

6. Auditors

Genesis Chartered Accountants will continue in office in accordance with Section 90(1) of the Companies Act 71 of 2008.

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Office Bearers' Report

7. Secretary

The company had no secretary during the year.

Independent Auditor's Report

To the Members of The Southern African Institute of Mining and Metallurgy

Opinion

We have audited the annual financial statements of The Southern African Institute of Mining and Metallurgy (the company) set out on pages 8 to 18, which comprise the statement of financial position as at 30 June 2021, statement of comprehensive income, statement of changes in equity and statement of cash flows for the year then ended, and the notes to the annual financial statements, including a summary of significant accounting policies.

In our opinion, the annual financial statements present fairly, in all material respects, the financial position of The Southern African Institute of Mining and Metallurgy as at 30 June 2021, and its financial performance and cash flows for the year then ended in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities and the requirements of the Companies Act of South Africa.

Basis for Opinion

We conducted our audit in accordance with International Standards on Auditing. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Annual Financial Statements section of our report. We are independent of the company in accordance with the Independent Regulatory Board for Auditors' Code of Professional Conduct for Registered Auditors (IRBA Code) and other independence requirements applicable to performing audits of annual financial statements in South Africa. We have fulfilled our other ethical responsibilities in accordance with the IRBA Code and in accordance with other ethical requirements applicable to performing audits in South Africa. The IRBA Code is consistent with the corresponding sections of the International Ethics Standards Board for Accountants' International Code of Ethics for Professional Accountants (including International Independence Standards). We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Other Information

The directors are responsible for the other information. The other information comprises the information included in the document titled "The Southern African Institute of Mining and Metallurgy annual financial statements for the year ended 30 June 2021", which includes the Office Bearers' Report as required by the Companies Act of South Africa and the supplementary information as set out on pages 19 to 20, which we obtained prior to the date of this report, and the Annual Report, which is expected to be made available to us after that date. The other information does not include the annual financial statements and our auditor's report thereon.

Our opinion on the annual financial statements does not cover the other information and we do not and will not express an audit opinion or any form of assurance conclusion thereon.

In connection with our audit of the annual financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the annual financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated. If, based on the work we have performed on the other information obtained prior to the date of this auditor's report, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Independent Auditor's Report

Responsibilities of the office bearers for the Annual Financial Statements

The office bearers are responsible for the preparation and fair presentation of the annual financial statements in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities and the requirements of the Companies Act of South Africa, and for such internal control as the office bearers determine is necessary to enable the preparation of annual financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the annual financial statements, the office bearers are responsible for assessing the company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the office bearers either intend to liquidate the company or to cease operations, or have no realistic alternative but to do so.

Auditor's Responsibilities for the Audit of the Annual Financial Statements

Our objectives are to obtain reasonable assurance about whether the annual financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with International Standards on Auditing will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these annual financial statements.

As part of an audit in accordance with International Standards on Auditing, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the annual financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the office bearers.
- Conclude on the appropriateness of the office bearers' use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the annual financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the annual financial statements, including the disclosures, and whether the annual financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the office bearers regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.



10 August 2021
Johannesburg

Genesis Chartered Accountants
Chartered Accountants (SA)
Registered Auditors
CWB White CA (SA)
Partner

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Statement of Financial Position as at 30 June 2021

Figures in Rand	Note(s)	2021	2020
Assets			
Non-Current Assets			
Property, plant and equipment	2	125 424	200 896
Other financial assets	3	26 088 000	22 383 899
		26 213 424	22 584 795
Current Assets			
Inventories	4	411 355	608 849
Trade and other receivables	5	728 963	1 816 698
Cash and cash equivalents	6	4 881 739	4 553 527
		6 022 057	6 979 074
Total Assets		32 235 481	29 563 869
Equity and Liabilities			
Equity			
Reserves	7	4 458 977	4 458 977
Retained income		26 390 148	22 585 115
		30 849 125	27 044 092
Liabilities			
Non-Current Liabilities			
Loans from group companies	8	50 673	50 673
Current Liabilities			
Trade and other payables	9	1 249 966	2 374 432
Provisions	10	85 717	94 672
		1 335 683	2 469 104
Total Liabilities		1 386 356	2 519 777
Total Equity and Liabilities		32 235 481	29 563 869

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Statement of Comprehensive Income

Figures in Rand	Note(s)	2021	2020
Revenue	11	4 601 909	9 916 008
Cost of sales		(2 973 196)	(6 868 514)
Gross profit		1 628 713	3 047 494
Other income	12	1 557 296	347 757
Operating expenses		(5 916 653)	(7 589 641)
Operating loss		(2 730 644)	(4 194 390)
Investment revenue	13	633 033	932 592
Fair value adjustments	14	5 902 644	(1 411 022)
Finance costs	15	-	(7 452)
Profit (loss) for the year		3 805 033	(4 680 272)

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Statement of Changes in Equity

Figures in Rand	Funds	Retained income	Total equity
Balance at 01 July 2019	4 458 977	27 265 387	31 724 364
Loss for the year	-	(4 680 272)	(4 680 272)
Balance at 01 July 2020	4 458 977	22 585 115	27 044 092
Profit for the year	-	3 805 033	3 805 033
Balance at 30 June 2021	4 458 977	26 390 148	30 849 125

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Statement of Cash Flows

Figures in Rand	Note(s)	2021	2020
Cash flows from operating activities			
Cash used in operations	17	(2 667 912)	(2 964 804)
Interest income		157 938	170 401
Dividends received		475 095	762 191
Finance costs		-	(7 452)
Net cash from operating activities		(2 034 879)	(2 039 664)
Cash flows from investing activities			
Purchase of property, plant and equipment	2	(50 621)	(89 183)
Movement in loans from related parties		-	50 673
Sale of financial assets		2 413 712	2 104 974
Net cash from investing activities		2 363 091	2 066 464
Total cash movement for the year		328 212	26 800
Cash at the beginning of the year		4 553 527	4 526 727
Total cash at end of the year	6	4 881 739	4 553 527

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Accounting Policies

1. Basis of preparation and summary of significant accounting policies

The annual financial statements have been prepared on a going concern basis in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities, and the Companies Act of South Africa. The annual financial statements have been prepared on the historical cost basis, and incorporate the principal accounting policies set out below. They are presented in South African Rands.

These accounting policies are consistent with the previous period.

1.1 Significant judgements and sources of estimation uncertainty

Critical judgements in applying accounting policies

Management did not make critical judgements in the application of accounting policies, apart from those involving estimations, which would significantly affect the annual financial statements.

Key sources of estimation uncertainty

The financial statements do not include assets or liabilities whose carrying amounts were determined based on estimations for which there is a significant risk of material adjustments in the following financial year as a result of the key estimation assumptions.

1.2 Property, plant and equipment

Property, plant and equipment are tangible assets which the company holds for its own use or for rental to others and which are expected to be used for more than one period.

Property, plant and equipment is initially measured at cost.

Cost includes costs incurred initially to acquire or construct an item of property, plant and equipment and costs incurred subsequently to add to, replace part of, or service it. If a replacement cost is recognised in the carrying amount of an item of property, plant and equipment, the carrying amount of the replaced part is derecognised.

Expenditure incurred subsequently for major services, additions to or replacements of parts of property, plant and equipment are capitalised if it is probable that future economic benefits associated with the expenditure will flow to the company and the cost can be measured reliably. Day to day servicing costs are included in profit or loss in the period in which they are incurred.

Property, plant and equipment is subsequently stated at cost less accumulated depreciation and any accumulated impairment losses, except for land which is stated at cost less any accumulated impairment losses.

Depreciation of an asset commences when the asset is available for use as intended by management. Depreciation is charged to write off the asset's carrying amount over its estimated useful life to its estimated residual value, using a method that best reflects the pattern in which the asset's economic benefits are consumed by the company.

The useful lives of items of property, plant and equipment have been assessed as follows:

Item	Depreciation method	Average useful life
Furniture and fixtures	Straight line	10 years
Office equipment	Straight line	6 years
IT equipment	Straight line	3 years

The depreciation charge for each period is recognised in profit or loss unless it is included in the carrying amount of another asset.

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Accounting Policies

1.2 Property, plant and equipment (continued)

Impairment tests are performed on property, plant and equipment when there is an indicator that they may be impaired. When the carrying amount of an item of property, plant and equipment is assessed to be higher than the estimated recoverable amount, an impairment loss is recognised immediately in profit or loss to bring the carrying amount in line with the recoverable amount.

1.3 Financial instruments

Initial measurement

Financial instruments are initially measured at the transaction price (including transaction costs except in the initial measurement of financial assets and liabilities that are measured at fair value through profit or loss) unless the arrangement constitutes, in effect, a financing transaction in which case it is measured at the present value of the future payments discounted at a market rate of interest for a similar debt instrument.

Financial instruments at amortised cost

These include loans, trade receivables and trade payables. Those debt instruments which meet the criteria in section 11.8(b) of the standard, are subsequently measured at amortised cost using the effective interest method. Debt instruments which are classified as current assets or current liabilities are measured at the undiscounted amount of the cash expected to be received or paid, unless the arrangement effectively constitutes a financing transaction.

At each reporting date, the carrying amounts of assets held in this category are reviewed to determine whether there is any objective evidence of impairment. If there is objective evidence, the recoverable amount is estimated and compared with the carrying amount. If the estimated recoverable amount is lower, the carrying amount is reduced to its estimated recoverable amount, and an impairment loss is recognised immediately in profit or loss.

Financial instruments at cost

Commitments to receive a loan are measured at cost less impairment.

Equity instruments that are not publicly traded and whose fair value cannot otherwise be measured reliably without undue cost or effort are measured at cost less impairment.

Financial instruments at fair value

All other financial instruments, including equity instruments that are publicly traded or whose fair value can otherwise be measured reliably, without undue cost or effort, are measured at fair value through profit and loss.

If a reliable measure of fair value is no longer available without undue cost or effort, then the fair value at the last date that such a reliable measure was available is treated as the cost of the instrument. The instrument is then measured at cost less impairment until management are able to measure fair value without undue cost or effort.

1.4 Inventories

Inventories are measured at the lower of cost and estimated selling price less costs to complete and sell, on the weighted average cost basis.

1.5 Impairment of assets

The company assesses at each reporting date whether there is any indication that property, plant and equipment or intangible assets or goodwill may be impaired.

If there is any such indication, the recoverable amount of any affected asset (or group of related assets) is estimated and compared with its carrying amount. If the estimated recoverable amount is lower, the carrying amount is reduced to its estimated recoverable amount, and an impairment loss is recognised immediately in profit or loss.

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Accounting Policies

1.6 Provisions and contingencies

Provisions are recognised when the company has an obligation at the reporting date as a result of a past event; it is probable that the company will be required to transfer economic benefits in settlement; and the amount of the obligation can be estimated reliably.

Provisions are measured at the present value of the amount expected to be required to settle the obligation using a pre-tax rate that reflects current market assessments of the time value of money and the risks specific to the obligation. The increase in the provision due to the passage of time is recognised as interest expense.

Provisions are not recognised for future operating losses.

1.7 Revenue

Revenue is recognised to the extent that the company has transferred the significant risks and rewards of ownership of goods to the buyer, or has rendered services under an agreement provided the amount of revenue can be measured reliably and it is probable that economic benefits associated with the transaction will flow to the company. Revenue is measured at the fair value of the consideration received or receivable, excluding sales taxes and discounts.

Interest is recognised, in profit or loss, using the effective interest rate method.

Dividends are recognised, in profit or loss, when the company's right to receive payment has been established.

1.8 Borrowing costs

Borrowing costs are recognised as an expense in the period in which they are incurred.

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Notes to the Annual Financial Statements

Figures in Rand 2021 2020

2. Property, plant and equipment

	2021			2020		
	Cost or revaluation	Accumulated depreciation	Carrying value	Cost or revaluation	Accumulated depreciation	Carrying value
Furniture and fixtures	419 017	(398 655)	20 362	419 017	(393 664)	25 353
Office equipment	136 418	(28 464)	107 954	136 418	(26 167)	110 251
IT equipment	1 648 680	(1 651 572)	(2 892)	1 598 059	(1 532 767)	65 292
Total	2 204 115	(2 078 691)	125 424	2 153 494	(1 952 598)	200 896

Reconciliation of property, plant and equipment - 2021

	Opening balance	Additions	Depreciation	Closing balance
Furniture and fixtures	25 353	-	(4 991)	20 362
Office equipment	110 251	-	(2 297)	107 954
IT equipment	65 292	50 621	(118 805)	(2 892)
	200 896	50 621	(126 093)	125 424

Reconciliation of property, plant and equipment - 2020

	Opening balance	Additions	Depreciation	Closing balance
Furniture and fixtures	46 232	-	(20 879)	25 353
Office equipment	115 256	-	(5 005)	110 251
IT equipment	193 836	89 183	(217 727)	65 292
	355 324	89 183	(243 611)	200 896

3. Other financial assets

At fair value

Listed shares/bonds - Appelton AFC	26 088 000	22 383 899
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Non-current assets

At fair value	26 088 000	22 383 899
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4. Inventories

Merchandise	411 355	608 849
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5. Trade and other receivables

Trade receivables	494 848	1 645 644
Prepayments	7 960	7 437
VAT	215 379	152 841
Franking machine deposit	10 776	10 776
	728 963	1 816 698

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Notes to the Annual Financial Statements

Figures in Rand	2021	2020
6. Cash and cash equivalents		
Cash and cash equivalents consist of:		
Cash on hand	31 618	102 342
Bank balances	949 713	1 832 222
Short-term deposits	3 010 552	1 918 097
Other cash and cash equivalents	889 856	700 866
	4 881 739	4 553 527
7. Funds		
Balance at beginning of the year	4 458 977	4 458 977
Prof. RE Robinson Fund (Book Publication Fund)	883 177	883 177
Brigadier Stokes Memorial Fund	8 048	8 048
PWJ van Rensburg Memorial Fund (Education Fund)	1 339 909	1 339 909
MacArthur Forest Memorial Fund (Awards Fund)	563 974	563 974
Infacon X Research Fund	1 422 094	1 422 094
SANCOT Fund	153 694	153 694
The Dave Ortiepp Fund	88 081	88 081
8. Loans to (from) related parties		
The SAIMM Scholarship Fund	(50 673)	(50 673)
The loan is unsecured, bears no interest and has no specified terms of repayment.		
9. Trade and other payables		
Trade payables	1 185 916	2 314 057
Provision for audit fees	64 050	60 375
	1 249 966	2 374 432

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Notes to the Annual Financial Statements

Figures in Rand	2021	2020	
10. Provisions			
Reconciliation of provisions - 2021			
	Opening balance	Reversed during the year	Total
Provision for leave pay	94 672	(8 955)	85 717
Reconciliation of provisions - 2020			
	Opening balance	Additions	Total
Provision for leave pay	68 683	25 989	94 672
11. Revenue			
Rendering of services		4 601 909	9 916 008
12. Other income			
Gains on disposals of assets		215 169	23 146
Administration fees recovered		-	30 000
Bad debts recovered		62 750	-
Insurance claims		10 934	-
Miscellaneous sales		100 353	78 394
Other income		973 814	-
Royalties OneMine		194 276	204 817
Scholarship Trust Fund income		-	11 400
		1 557 296	347 757
13. Investment revenue			
Dividend revenue			
Dividends - Argon		475 095	762 191
Interest revenue			
Interest - Argon		75 607	131 646
Interest - bank		42 016	23 453
Interest - investments		-	15 302
		117 623	170 401
		592 718	932 592
14. Fair value adjustments			
Other financial assets		5 902 644	(1 411 022)
15. Finance costs			
Late payment of tax		-	7 452

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Notes to the Annual Financial Statements

Figures in Rand	2021	2020
16. Auditor's remuneration		
Fees	64 050	61 175
Adjustment for previous year	625	(16 000)
	64 675	45 175
17. Cash used in operations		
Profit (loss) before taxation	3 805 033	(4 680 272)
Adjustments for:		
Depreciation and amortisation	126 093	243 611
Profit on sale of assets	(215 169)	(23 146)
Dividends received	(475 095)	(762 191)
Interest received	(157 938)	(170 401)
Finance costs	-	7 452
Fair value adjustments	(5 902 644)	1 411 022
Movements in provisions	(8 955)	25 989
Changes in working capital:		
Inventories	197 494	120 738
Trade and other receivables	1 087 735	1 100 975
Trade and other payables	(1 124 466)	(238 581)
	(2 667 912)	(2 964 804)

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Detailed Income Statement

Figures in Rand	Note(s)	2021	2020
Revenue			
Rendering of services		4 601 909	9 916 008
Cost of sales			
Opening stock		(608 849)	(729 587)
Purchases		(2 775 702)	(6 747 776)
Closing stock		411 355	608 849
		(2 973 196)	(6 868 514)
Gross profit		1 628 713	3 047 494
Other income			
Administration fees recovered		-	30 000
Bad debts recovered		62 750	-
Insurance claims		10 934	-
Miscellaneous sales		100 353	78 394
Other income		973 814	-
Royalties OneMine		194 276	204 817
Scholarship Trust Fund income		-	11 400
Gains on disposal of assets		215 169	23 146
		1 557 296	347 757
Expenses (Refer to page 20)		(5 916 653)	(7 589 641)
Operating loss		(2 730 644)	(4 194 390)
Investment income	13	633 033	932 592
Finance costs	15	-	(7 452)
Fair value adjustments	14	5 902 644	(1 411 022)
		6 535 677	(485 882)
Profit (loss) for the year		3 805 033	(4 680 272)

The Southern African Institute of Mining and Metallurgy

Annual Financial Statements for the year ended 30 June 2021

Detailed Income Statement

Figures in Rand	Note(s)	2021	2020
Operating expenses			
Annual general meeting		1 700	213 643
Annual general meeting medals		66 424	128 546
Auditor's remuneration	16	64 675	45 175
Bad debts		2 009	341 470
Bank charges		52 021	55 932
Cleaning		-	4 435
Computer expenses		440 119	333 634
Consulting and professional fees		82 321	18 493
Council dinner		-	21 320
Credit card charges		36 780	41 639
Delivery expenses		810	17 270
Depreciation, amortisation and impairments		126 093	243 611
Employee costs		3 642 774	4 035 961
General expenses		3 123	5 434
Gifts		6 789	18 809
Insurance		59 464	59 133
Internet charges		92 377	84 860
Lease rentals on operating lease		22 605	197 751
Legal expenses		21 235	-
Library services		44 750	13 440
Loss on exchange differences		108 024	94 164
Management fees - investments		216 987	212 679
Meeting expenses		-	32 024
Office bearers/council expenses		13 098	39 610
Packaging		-	3 620
Parking expenses		-	72 000
Photocopier expenses		110 390	427 537
Postage		-	114
President expenses		-	2 500
Printing and stationery		19 779	40 734
Repairs and maintenance		-	27 168
SANCOT expenses		15 226	30 417
Scholarship Trust Fund donations - current year		-	30 325
Secretarial fees		35 791	32 066
Setcom/paygate charges		15 435	11 603
Software expenses		174 716	105 028
Staff expenses		11 500	10 930
Staff welfare		6 768	42 581
Student prizes		5 000	15 000
Subscriptions		360 695	407 519
Training		14 960	640
Typesetting - journals		-	5 595
Website development		36 500	62 027
Website hosting		5 715	3 204
		5 916 653	7 589 641



THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY
WESTERN CAPE BRANCH
ANNUAL FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 JUNE 2021

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

General Information

Country of incorporation and domicile	South Africa
Nature of business and principal activities	The Southern African Institute of Mining and Metallurgy is a professional institute with local and international links aimed at assisting members and source information about technological developments in the mining, metallurgy and related sectors.
Office bearers	V.G. Duke I.J. Geldenhuys Z. Botha W.C Joughin E Matinde M.I. Mthenjane S. Ndlovu W.C. Joughin
Registered office	University of Cape Town Private Bag X3 Rondebosch 7701
Postal address	05 Hollard Street Marshalltown 2107
Bankers	Standard Bank of South Africa Chartered Accountants (SA) Registered Auditors
Preparer	The annual financial statements were independently compiled by: J Den Drijver CA(SA)

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

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The following supplementary information does not form part of the annual financial statements and is unaudited:

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The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Office bearers' Responsibilities and Approval

The office bearers are required to maintain adequate accounting records and are responsible for the content and integrity of the annual financial statements and related financial information included in this report. It is their responsibility to ensure that the annual financial statements fairly present the state of affairs of the branch as at the end of the financial year and the results of its operations and cash flows for the period then ended, in conformity with the International Financial Reporting Standard for Small and Medium-sized Entities. The external auditors are engaged to express an independent opinion on the annual financial statements.

The annual financial statements are prepared in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities and are based upon appropriate accounting policies consistently applied and supported by reasonable and prudent judgements and estimates.

The office bearers acknowledge that they are ultimately responsible for the system of internal financial control established by the branch and place considerable importance on maintaining a strong control environment. To enable the office bearers to meet these responsibilities, the office bearers set standards for internal control aimed at reducing the risk of error or loss in a cost effective manner. The standards include the proper delegation of responsibilities within a clearly defined framework, effective accounting procedures and adequate segregation of duties to ensure an acceptable level of risk. These controls are monitored throughout the branch and all employees are required to maintain the highest ethical standards in ensuring the branch's business is conducted in a manner that in all reasonable circumstances is above reproach. The focus of risk management in the branch is on identifying, assessing, managing and monitoring all known forms of risk across the branch. While operating risk cannot be fully eliminated, the branch endeavours to minimise it by ensuring that appropriate infrastructure, controls, systems and ethical behaviour are applied and managed within predetermined procedures and constraints.

The office bearers are of the opinion, based on the information and explanations given by management, that the system of internal control provides reasonable assurance that the financial records may be relied on for the preparation of the annual financial statements. However, any system of internal financial control can provide only reasonable, and not absolute, assurance against material misstatement or loss.

The office bearers have reviewed the branch's cash flow forecast for the year to 30 June 2022 and, in the light of this review and the current financial position, they are satisfied that the branch has or has access to adequate resources to continue in operational existence for the foreseeable future.

The external auditors are responsible for independently auditing and reporting on the branch's annual financial statements. The annual financial statements have been examined by the company's branch auditors and their report is presented on pages 5 - 6.

The annual financial statements set out on pages 7 to 15, which have been prepared on the going concern basis, were approved by the office bearers on 10 August 2021 and signed on their behalf by:



President



Treasurer

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Office bearers' Report

The office bearers have pleasure in submitting their report on the annual financial statements of The Southern African Institute of Mining and Metallurgy Western Cape Branch for the year ended 30 June 2021.

1. Nature of business

The Southern African Institute of Mining and Metallurgy is a professional institute with local and international links aimed at assisting members and source information about technological developments in the mining, metallurgy and related sectors. This non-profit entity resides in South Africa.

There have been no material changes to the nature of the branch's business from the prior year.

2. Review of financial results and activities

The annual financial statements have been prepared in accordance with International Financial Reporting Standard for Small and Medium-sized Entities. The accounting policies have been applied consistently compared to the prior year.

Full details of the financial position, results of operations and cash flows of the branch are set out in these annual financial statements.

3. Office bearers

The office bearers in office at the date of this report are as follows:

Office bearers	Designation
V.G. Duke	President
I.J. Geldenhuys	President Elect
Z. Botha	Senior Vice President
W.C. Joughin	Junior Vice President
E Matinde	Incoming Junior Vice President
M.I. Mthenjane	Immediate Past President
S. Ndlovu	Co-opted to Office Bearers
W.C. Joughin	Honorary Treasurer

4. Events after the reporting period

The office bearers are aware of the covid-19 pandemic as well as the country's downgrade to sub-investment grade. The pandemic is considered to be a non-adjusting event and there is no immediate concern around going concern relating to these matters. Management are continually assessing and monitoring developments with regard to the disease and at the time of finalising the report, the office bearers are confident that our responses are adequate and the crisis is being continuously monitored to assess the impact on the company. The financial estimate cannot be determined reliably as the extent of covid-19 is unknown.

5. Going concern

The office bearers believe that the branch has adequate financial resources to continue in operation for the foreseeable future and accordingly the annual financial statements have been prepared on a going concern basis. The office bearers have satisfied themselves that the branch is in a sound financial position and that it has access to sufficient borrowing facilities to meet its foreseeable cash requirements. The office bearers are not aware of any new material changes that may adversely impact the branch. The office bearers are also not aware of any material non-compliance with statutory or regulatory requirements or of any pending changes to legislation which may affect the branch.

6. Auditors

Genesis Chartered Accountants will continue in office.

Independent Auditor's Report

To the office bearers of The Southern African Institute of Mining and Metallurgy Western Cape Branch

Opinion

We have audited the annual financial statements of The Southern African Institute of Mining and Metallurgy Western Cape Branch (the company) set out on pages 7 to 15, which comprise the statement of financial position as at 30 June 2021, statement of comprehensive income, statement of changes in equity and statement of cash flows for the year then ended, and the notes to the annual financial statements, including a summary of significant accounting policies.

In our opinion, the annual financial statements present fairly, in all material respects, the financial position of The Southern African Institute of Mining and Metallurgy Western Cape Branch as at 30 June 2021, and its financial performance and cash flows for the year then ended in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities and the requirements of the .

Basis for Opinion

We conducted our audit in accordance with International Standards on Auditing. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Annual Financial Statements section of our report. We are independent of the branch in accordance with the Independent Regulatory Board for Auditors' Code of Professional Conduct for Registered Auditors (IRBA Code) and other independence requirements applicable to performing audits of annual financial statements in South Africa. We have fulfilled our other ethical responsibilities in accordance with the IRBA Code and in accordance with other ethical requirements applicable to performing audits in South Africa. The IRBA Code is consistent with the corresponding sections of the International Ethics Standards Board for Accountants' International Code of Ethics for Professional Accountants (including International Independence Standards). We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Other Information

The office bearers are responsible for the other information. The other information comprises the Office bearers' Report and the Detailed Income Statement, which we obtained prior to the date of this report. The other information does not include the annual financial statements and our auditor's report thereon.

Our opinion on the annual financial statements does not cover the other information and we do not and will not express an audit opinion or any form of assurance conclusion thereon.

In connection with our audit of the annual financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the annual financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated. If, based on the work we have performed on the other information obtained prior to the date of this auditor's report, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Independent Auditor's Report

Responsibilities of the office bearers for the Annual Financial Statements

The office bearers are responsible for the preparation and fair presentation of the annual financial statements in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities and the requirements of the , and for such internal control as the office bearers determine is necessary to enable the preparation of annual financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the annual financial statements, the office bearers are responsible for assessing the branch's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the office bearers either intend to liquidate the branch or to cease operations, or have no realistic alternative but to do so.

Auditor's Responsibilities for the Audit of the Annual Financial Statements

Our objectives are to obtain reasonable assurance about whether the annual financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with International Standards on Auditing will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these annual financial statements.

As part of an audit in accordance with International Standards on Auditing, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the annual financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the branch's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the office bearers.
- Conclude on the appropriateness of the office bearers' use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the branch's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the annual financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the branch to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the annual financial statements, including the disclosures, and whether the annual financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the office bearers regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.



Genesis Chartered Accountants
Chartered Accountants (SA)
Registered Auditors
CWB White CA (SA)
Partner

10 August 2021
Johannesburg

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Statement of Financial Position as at 30 June 2021

Figures in Rand	Note(s)	2021	2020
Assets			
Non-Current Assets			
Other financial assets	2	889 856	700 866
Current Assets			
Trade and other receivables	3	14 754	20 135
Cash and cash equivalents	4	492 966	491 954
		507 720	512 089
Total Assets		1 397 576	1 212 955
Equity and Liabilities			
Equity			
Accumulated funds		1 397 576	1 204 504
Liabilities			
Current Liabilities			
Trade and other payables	5	-	8 451
Total Equity and Liabilities		1 397 576	1 212 955

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Statement of Comprehensive Income

Figures in Rand	Note(s)	2021	2020
Revenue	6	-	86 000
Cost of sales		-	(143 350)
Gross loss		-	(57 350)
Other income	7	-	49 525
Operating expenses		(14 594)	(40 253)
Operating loss		(14 594)	(48 078)
Investment revenue	8	10 225	17 946
Fair value adjustments		197 441	(4 162)
Profit (loss) for the year		193 072	(34 294)

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Statement of Changes in Equity

Figures in Rand	Accumulated funds	Total equity
Balance at 01 July 2019	1 154 098	1 154 098
Loss for the year	(34 294)	(34 294)
Prior year adjustment	84 700	84 700
Total changes	84 700	84 700
Balance at 01 July 2020	1 204 504	1 204 504
Profit for the year	193 072	193 072
Balance at 30 June 2021	1 397 576	1 397 576

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Statement of Cash Flows

Figures in Rand	Note(s)	2021	2020
Cash flows from operating activities			
Cash used in operations	9	(17 664)	(74 649)
Interest income		10 225	17 946
Net cash from operating activities		(7 439)	(56 703)
Cash flows from investing activities			
Movement in financial assets		8 451	-
Net cash from investing activities		8 451	-
Total cash movement for the year		1 012	(56 703)
Cash at the beginning of the year		491 954	548 657
Total cash at end of the year	4	492 966	491 954

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Accounting Policies

1. Basis of preparation and summary of significant accounting policies

The annual financial statements have been prepared on a going concern basis in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities. The annual financial statements have been prepared on the historical cost basis, and incorporate the principal accounting policies set out below. They are presented in South African Rands.

These accounting policies are consistent with the previous period.

1.1 Significant judgements and sources of estimation uncertainty

Critical judgements in applying accounting policies

Management did not make critical judgements in the application of accounting policies, apart from those involving estimations, which would significantly affect the annual financial statements.

Key sources of estimation uncertainty

The financial statements do not include assets or liabilities whose carrying amounts were determined based on estimations for which there is a significant risk of material adjustments in the following financial year as a result of the key estimation assumptions.

1.2 Financial instruments

Initial measurement

Financial instruments are initially measured at the transaction price (including transaction costs except in the initial measurement of financial assets and liabilities that are measured at fair value through profit or loss) unless the arrangement constitutes, in effect, a financing transaction in which case it is measured at the present value of the future payments discounted at a market rate of interest for a similar debt instrument.

Financial instruments at fair value

All other financial instruments, including equity instruments that are publicly traded or whose fair value can otherwise be measured reliably, without undue cost or effort, are measured at fair value through profit and loss.

If a reliable measure of fair value is no longer available without undue cost or effort, then the fair value at the last date that such a reliable measure was available is treated as the cost of the instrument. The instrument is then measured at cost less impairment until management are able to measure fair value without undue cost or effort.

1.3 Impairment of assets

The branch assesses at each reporting date whether there is any indication that property, plant and equipment or intangible assets or goodwill may be impaired.

If there is any such indication, the recoverable amount of any affected asset (or group of related assets) is estimated and compared with its carrying amount. If the estimated recoverable amount is lower, the carrying amount is reduced to its estimated recoverable amount, and an impairment loss is recognised immediately in profit or loss.

If an impairment loss subsequently reverses, the carrying amount of the asset (or group of related assets) is increased to the revised estimate of its recoverable amount, but not in excess of the amount that would have been determined had no impairment loss been recognised for the asset (or group of assets) in prior years. A reversal of impairment is recognised immediately in profit or loss.

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Accounting Policies

1.4 Revenue

Revenue is recognised to the extent that the branch has transferred the significant risks and rewards of ownership of goods to the buyer, or has rendered services under an agreement provided the amount of revenue can be measured reliably and it is probable that economic benefits associated with the transaction will flow to the branch. Revenue is measured at the fair value of the consideration received or receivable, excluding sales taxes and discounts.

Interest is recognised, in profit or loss, using the effective interest rate method.

1.5 Borrowing costs

Borrowing costs are recognised as an expense in the period in which they are incurred.

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Notes to the Annual Financial Statements

Figures in Rand	2021	2020
2. Other financial assets		
At fair value		
Listed shares	889 856	700 866
AFC Investment Management		
Non-current assets		
At fair value	889 856	700 866
3. Trade and other receivables		
Trade receivables	-	3 450
VAT	12 647	11 433
Staff loans	2 107	5 252
	14 754	20 135
4. Cash and cash equivalents		
Cash and cash equivalents consist of:		
Bank balances	21 598	100 810
Short-term deposits	471 368	391 144
	492 966	491 954
5. Trade and other payables		
Accruals	-	8 451
6. Revenue		
Rendering of services	-	86 000
7. Other income		
Conferences	-	49 525
8. Investment revenue		
Interest revenue		
Bank	10 225	17 946

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Notes to the Annual Financial Statements

Figures in Rand	2021	2020
9. Cash used in operations		
Profit (loss) before taxation	193 072	(34 294)
Adjustments for:		
Interest received	(10 225)	(17 946)
Fair value adjustments	(197 441)	4 162
Prior year adjustment	-	84 700
Changes in working capital:		
Trade and other receivables	5 381	(19 823)
Trade and other payables	(8 451)	(91 448)
	(17 664)	(74 649)

The Southern African Institute of Mining and Metallurgy Western Cape Branch

Annual Financial Statements for the year ended 30 June 2021

Detailed Income Statement

Figures in Rand	Note(s)	2021	2020
Revenue			
Conference fees		-	86 000
Cost of sales			
Conference costs		-	(143 350)
Gross loss		-	(57 350)
Other income			
Other income		-	49 525
Operating expenses			
Accounting fees		3 352	500
Bad debts		3 000	2 000
Bank charges		1 449	1 590
Catering - meetings		2 585	-
Computer expenses		-	10 381
Finance management		-	5 000
Packaging		560	-
Student evenings		-	11 375
Subscriptions		3 648	9 407
		14 594	40 253
Operating loss		(14 594)	(48 078)
Investment income	8	10 225	17 946
Fair value adjustments		197 441	(4 162)
		207 666	13 784
Profit (loss) for the year		193 072	(34 294)

The supplementary information presented does not form part of the annual financial statements and is unaudited



THE SAIMM SCHOLARSHIP FUND

(REGISTRATION NUMBER IT 6837/02)
ANNUAL FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 JUNE 2021

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

General Information

Country of incorporation and domicile	South Africa
Trustees	Dr LA Cramer RD Beck MH Rogers JR Dixon
Registered office	5 Hollard street Marshalltown 2107
Postal address	PO Box 61127 Marshalltown 2107
Auditors	Genesis Chartered Accountants Chartered Accountants (SA) Registered Auditors
Trust registration number	IT 6837/02
Level of assurance	These annual financial statements have been audited in compliance with the applicable requirements of the Trust Property Control Act 57 of 1988.
Preparer	The annual financial statements were independently compiled by: J Den Drijver CA(SA)

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Contents

The reports and statements set out below comprise the annual financial statements presented to the trustees:

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The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Trustees' Responsibilities and Approval

The trustees are required to maintain adequate accounting records and are responsible for the content and integrity of the annual financial statements and related financial information included in this report. It is their responsibility to ensure that the annual financial statements fairly present the state of affairs of the trust as at the end of the financial year and the results of its operations and cash flows for the period then ended, in conformity with the International Financial Reporting Standard for Small and Medium-sized Entities.

The annual financial statements are prepared in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities and are based upon appropriate accounting policies consistently applied and supported by reasonable and prudent judgments and estimates.

The trustees acknowledge that they are ultimately responsible for the system of internal financial control established by the trust and place considerable importance on maintaining a strong control environment. To enable the trustees to meet these responsibilities, the trustees sets standards for internal control aimed at reducing the risk of error or loss in a cost effective manner. The standards include the proper delegation of responsibilities within a clearly defined framework, effective accounting procedures and adequate segregation of duties to ensure an acceptable level of risk. These controls are monitored throughout the trust and all employees are required to maintain the highest ethical standards in ensuring the trust's business is conducted in a manner that in all reasonable circumstances is above reproach. The focus of risk management in the trust is on identifying, assessing, managing and monitoring all known forms of risk across the trust. While operating risk cannot be fully eliminated, the trust endeavours to minimise it by ensuring that appropriate infrastructure, controls, systems and ethical behaviour are applied and managed within predetermined procedures and constraints.

The trustees are of the opinion, based on the information and explanations given by management, that the system of internal control provides reasonable assurance that the financial records may be relied on for the preparation of the annual financial statements. However, any system of internal financial control can provide only reasonable, and not absolute, assurance against material misstatement or loss.

The trustees have reviewed the trust's cash flow forecast for the year to 30 June 2022 and, in the light of this review and the current financial position, they are satisfied that the trust has or has access to adequate resources to continue in operational existence for the foreseeable future.

The external auditors are responsible for independently auditing and reporting on the trust's annual financial statements. The annual financial statements have been examined by the trust's external auditors and their report is presented on pages 6 - 7.

The annual financial statements set out on pages 8 to 14, which have been prepared on the going concern basis, were approved by the trustees on 10 August 2021 and signed on their behalf by:



Chairman

Vice-chairman

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Trustees' Report

The trustees have pleasure in submitting their report on the annual financial statements of The SAIMM Scholarship Fund for the year ended 30 June 2021.

1. The trust

The trust was registered on 11 November 2002, with the registration number IT 6837/02. The fund can sue and be sued in its own name.

The objective of the trust is to promote, foster and advance the interest of the minerals industry by providing the beneficiaries with funds to be used to support the education of students in the minerals industry.

2. Nature of business

The SAIMM Scholarship Fund was formed in South Africa with interests in the non-profit industry. The trust operates in South Africa.

The objective of the trust is to promote, foster and advance the interest of the minerals industry by providing the beneficiaries with funds to be used to support the education of students in the minerals industry and to collect monies and accept contributions in monies or otherwise by way of donations, bequests, or otherwise and to apply the same to the income therefrom for all or any object as set out.

The fund has no full time employees and is administered by The Southern African Institute of Mining and Metallurgy.

There have been no material changes to the nature of the trust's business from the prior year.

3. Review of financial results and activities

The annual financial statements have been prepared in accordance with International Financial Reporting Standard for Small and Medium-sized Entities. The accounting policies have been applied consistently compared to the prior year.

Full details of the financial position, results of operations and cash flows of the trust are set out in these annual financial statements.

4. Beneficiaries

The beneficiary of the trust is the Minerals Education Department of those universities and technikons in South Africa as determined by the trustees.

5. Trustees

The trustees in office at the date of this report are as follows:

Trustees

Dr LA Cramer
RD Beck
MH Rogers
JR Dixon

6. Borrowing powers

In terms of the Trust Deed, the borrowing powers of the trust are unlimited. However all borrowings by the trust are subject to board approval as required by the board delegation of authority.

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Trustees' Report

7. Events after the reporting period

The trustees are not aware of any material event which occurred after the reporting date and up to the date of this report.

8. Going concern

The trustees believe that the trust has adequate financial resources to continue in operation for the foreseeable future and accordingly the annual financial statements have been prepared on a going concern basis. The trustees have satisfied themselves that the trust is in a sound financial position and that it has access to sufficient borrowing facilities to meet its foreseeable cash requirements. The trustees are not aware of any new material changes that may adversely impact the trust. The trustees are also not aware of any material non-compliance with statutory or regulatory requirements or of any pending changes to legislation which may affect the trust.

9. Auditors

Genesis Chartered Accountants will continue in office.

Independent Auditor's Report

To the Trustees of The SAIMM Scholarship Fund

Opinion

We have audited the annual financial statements of The SAIMM Scholarship Fund (the trust) set out on pages 8 to 14, which comprise the statement of financial position as at 30 June 2021, statement of comprehensive income, statement of changes in equity and statement of cash flows for the year then ended, and the notes to the annual financial statements, including a summary of significant accounting policies.

In our opinion, the annual financial statements present fairly, in all material respects, the financial position of The SAIMM Scholarship Fund as at 30 June 2021, and its financial performance and cash flows for the year then ended in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities and the requirements of the Trust Property Control Act 57 of 1988.

Basis for Opinion

We conducted our audit in accordance with International Standards on Auditing. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Annual Financial Statements section of our report. We are independent of the trust in accordance with the Independent Regulatory Board for Auditors' Code of Professional Conduct for Registered Auditors (IRBA Code) and other independence requirements applicable to performing audits of annual financial statements in South Africa. We have fulfilled our other ethical responsibilities in accordance with the IRBA Code and in accordance with other ethical requirements applicable to performing audits in South Africa. The IRBA Code is consistent with the corresponding sections of the International Ethics Standards Board for Accountants' International Code of Ethics for Professional Accountants (including International Independence Standards). We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Other Information

The trustees are responsible for the other information. The other information comprises the information included in the document titled "The SAIMM Scholarship Fund annual financial statements for the year ended 30 June 2021", which includes the Trustees' Report as required by the Trust Property Control Act 57 of 1988, which we obtained prior to the date of this report, and the Annual Report, which is expected to be made available to us after that date. The other information does not include the annual financial statements and our auditor's report thereon.

Our opinion on the annual financial statements does not cover the other information and we do not and will not express an audit opinion or any form of assurance conclusion thereon.

In connection with our audit of the annual financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the annual financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated. If, based on the work we have performed on the other information obtained prior to the date of this auditor's report, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Independent Auditor's Report

Responsibilities of the Trustees for the Annual Financial Statements

The trustees are responsible for the preparation and fair presentation of the annual financial statements in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities and the requirements of the Trust Property Control Act 57 of 1988, and for such internal control as the trustees determine is necessary to enable the preparation of annual financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the annual financial statements, the trustees are responsible for assessing the trust's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the trustees either intend to liquidate the trust or to cease operations, or have no realistic alternative but to do so.

Auditor's Responsibilities for the Audit of the Annual Financial Statements

Our objectives are to obtain reasonable assurance about whether the annual financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with International Standards on Auditing will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these annual financial statements.

As part of an audit in accordance with International Standards on Auditing, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the annual financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the trust's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the trustees.
- Conclude on the appropriateness of the trustees' use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the trust's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the annual financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the trust to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the annual financial statements, including the disclosures, and whether the annual financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the trustees regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.



Genesis Chartered Accountants
Chartered Accountants (SA)
Registered Auditors
CWB White CA(SA)
Partner

10 August 2021
Johannesburg

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Statement of Financial Position as at 30 June 2021

Figures in Rand	Note(s)	2021	2020
Assets			
Current Assets			
Loans to related parties	2	50 673	50 673
Cash and cash equivalents	3	42 628	19 808
		93 301	70 481
Total Assets		93 301	70 481
Equity and Liabilities			
Equity			
Trust capital		1 000	1 000
Accumulated surplus		92 301	69 481
		93 301	70 481
Total Equity and Liabilities		93 301	70 481

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Statement of Comprehensive Income

Figures in Rand	Note(s)	2021	2020
Revenue			
Donations received - current year		24 500	31 748
Operating expenses			
Bank charges		1 680	661
Surplus for the year		22 820	31 087

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Statement of Changes in Equity

Figures in Rand	Trust capital	Accumulated surplus	Total equity
Balance at 01 July 2019	1 000	38 394	39 394
Surplus for the year	-	31 087	31 087
Balance at 01 July 2020	1 000	69 481	70 481
Surplus for the year	-	22 820	22 820
Balance at 30 June 2021	1 000	92 301	93 301

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Statement of Cash Flows

Figures in Rand	Note(s)	2021	2020
Cash flows from operating activities			
Cash generated from operations	5	22 820	31 087
Cash flows from investing activities			
Net movement in loans with related parties		-	(31 748)
Net cash from investing activities		-	(31 748)
Total cash movement for the year		22 820	(661)
Cash at the beginning of the year		19 808	20 469
Total cash at end of the year	3	42 628	19 808

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Accounting Policies

1. Basis of preparation and summary of significant accounting policies

The annual financial statements have been prepared on a going concern basis in accordance with the International Financial Reporting Standard for Small and Medium-sized Entities. The annual financial statements have been prepared on the historical cost basis, and incorporate the principal accounting policies set out below. They are presented in South African Rands.

These accounting policies are consistent with the previous period.

1.1 Significant judgements and sources of estimation uncertainty

Critical judgements in applying accounting policies

Management did not make critical judgements in the application of accounting policies, apart from those involving estimations, which would significantly affect the annual financial statements.

Key sources of estimation uncertainty

The financial statements do not include assets or liabilities whose carrying amounts were determined based on estimations for which there is a significant risk of material adjustments in the following financial year as a result of the key estimation assumptions.

1.2 Financial instruments

Initial measurement

Financial instruments are initially measured at the transaction price (including transaction costs except in the initial measurement of financial assets and liabilities that are measured at fair value through surplus or deficit) unless the arrangement constitutes, in effect, a financing transaction in which case it is measured at the present value of the future payments discounted at a market rate of interest for a similar debt instrument.

Financial instruments at amortised cost

These include loans, trade receivables and trade payables. Those debt instruments which meet the criteria in section 11.8(b) of the standard, are subsequently measured at amortised cost using the effective interest method. Debt instruments which are classified as current assets or current liabilities are measured at the undiscounted amount of the cash expected to be received or paid, unless the arrangement effectively constitutes a financing transaction.

At each reporting date, the carrying amounts of assets held in this category are reviewed to determine whether there is any objective evidence of impairment. If there is objective evidence, the recoverable amount is estimated and compared with the carrying amount. If the estimated recoverable amount is lower, the carrying amount is reduced to its estimated recoverable amount, and an impairment loss is recognised immediately in surplus or deficit.

Financial instruments at cost

Commitments to receive a loan are measured at cost less impairment.

Equity instruments that are not publicly traded and whose fair value cannot otherwise be measured reliably without undue cost or effort are measured at cost less impairment.

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Accounting Policies

1.2 Financial instruments (continued)

Financial instruments at fair value

All other financial instruments, including equity instruments that are publicly traded or whose fair value can otherwise be measured reliably, without undue cost or effort, are measured at fair value through surplus and deficit.

If a reliable measure of fair value is no longer available without undue cost or effort, then the fair value at the last date that such a reliable measure was available is treated as the cost of the instrument. The instrument is then measured at cost less impairment until management are able to measure fair value without undue cost or effort.

1.3 Tax

Current tax assets and liabilities

The fund is exempt from taxation in terms of Section 18A of the Income Tax Act.

1.4 Revenue

Revenue comprises contributions received from donors and is recognised on receipt.

Interest is recognised, in surplus or deficit, using the effective interest rate method.

1.5 Borrowing costs

Borrowing costs are recognised as an expense in the period in which they are incurred.

The SAIMM Scholarship Fund

(Registration number: IT 6837/02)

Annual Financial Statements for the year ended 30 June 2021

Notes to the Annual Financial Statements

Figures in Rand	2021	2020
2. Loans to (from) related parties		
At amortised cost		
The Southern African Institute of Mining and Metallurgy	50 673	50 673
This loan is unsecured, bears no interest and has no specified terms of repayment.		
3. Cash and cash equivalents		
Cash and cash equivalents consist of:		
Bank balances	42 628	19 808
4. Revenue		
Donations received - current year	24 500	31 748
5. Cash generated from operations		
Surplus before taxation	22 820	31 087