

Annual report

- ▶ *through representation on ECSA, assists with the evaluation of curricula at universities and technikons with a view to improving the level of education of graduates and diplomates and ensures that the courses are relevant to the needs of the minerals and metals sector*
- ▶ *makes awards, in the form of medals, prizes and certificates, in order to recognize technical excellence, to stimulate a sense of pride in high standards of performance, and to encourage individuals involved in the minerals and metals sector to share the results of their work through publication. The following are eligible for SAIMM awards: individuals for the very highest achievements in the Southern African mining and metallurgical industry, SAIMM members and non-members for papers of the highest standard published in the Journal or other SAIMM publications, and students from universities and technikons for exceptional academic performance*
- ▶ *arranges technical excursions, banquets, and other social events to create opportunities for professional association and fellowship for its members.*

1.1 Membership Committee

A.M. Garbers-Craig, Chairman

N.A. Barcza	M.H. Rogers
R.D. Beck	D.A.J. Ross-Watt
J.A. Cruise	G.L. Smith
F.M.G. Egerton	T.R. Stacey
H.E. James	O.K.H. Steffen
R.P. Mohring	J.N. van der Merwe
R.G.B. Pickering	D.J. van Niekerk
S.J. Ramokgopa	R.P.H. Willis

Membership

The SAIMM membership comprises engineers, metallurgists, chemists, physicists, geologists, certificated managers, and technikon diplomates, all of whom have an interest in the fields of mining, extractive metallurgy, metals technology, and other related areas.

Corporate members are classified as follows

HONORARY LIFE FELLOW: must have rendered services to the Institute, science, or industry.

FELLOW: (Minimum age 35 years.) A person eligible for election or transfer into the class of Fellow shall be any minerals professional employed for a minimum of five years in a senior technical position of responsibility provided that the candidate has had ten years' combined technical tertiary education and appropriate experience, or experience only.

MEMBER: (Minimum age 25 years.) A person eligible for election or transfer into the class of Member shall be employed for a minimum of two years in a technical position of responsibility provided that the candidate has had five years' combined technical tertiary education and appropriate experience, or experience only.

Non-corporate members are classified as follows

COMPANY AFFILIATE: companies associated with mining or metallurgical industries are eligible for membership.

HONORARY FELLOW: persons of distinction in public service, science, or the arts.

ASSOCIATE: a person eligible for election or transfer into the class of Associate shall be any person with a recognized industry qualification, within the disciplines of mining, extractive metallurgy, or metals technology.

STUDENT: a full-time student or postgraduate student at a university, technikon, or any other educational institution approved by Council, who is being trained to occupy a technical position in the mining or metallurgical industry or associated organizations.

Membership Roll

Members of the Institute are divided into Corporate and Non-Corporate Members, all of whom are entitled to attend and speak at meetings. Only Corporate Members are entitled to vote. All applications for membership or transfer require one proposer and one seconder.

RESIGNATION: A member may resign from the Institute by sending his or her written resignation to the Secretary together with payment of any monies due.

RETIRED MEMBERSHIP: A Fellow or Member who has *bona fide* retired from active business may retain membership at a reduced subscription providing he or she has been a member for 20 years. Members can contact the Secretary to establish the number of years of service prior to submitting a written request for Retired Membership to the Institute.

STUDENTS: A candidate may remain a Student member only while he or she is being educated or trained in a manner approved by the Council.

When he or she no longer qualifies as a Student member, he or she shall automatically be transferred to the category of Associate. Students are reminded to forward a copy of their degree certificates to the Institute on graduation.

A candidate may not remain a Student member after the end of the Institute's financial year in which he or she attains the age of twenty-eight years, unless the Institute receives written confirmation from the university or technikon that the Student member is still a full-time student.

CHANGE OF DETAILS: It is essential that members contact the Institute without delay about change in designation, change in employer, payment address or change in postal address.

Without this the communication link to members is broken.

Also, members must ensure that, where subscriptions are paid by a company, the Institute has on record the correct payment address.

Benefits of Membership

Individuals derive various benefits from membership of the Institute:

- ▶ contact with fellow members
- ▶ special reduced fees when attending congresses, symposia, colloquia, conferences, schools, discussion groups, etc.
- ▶ notices of events promoting technology transfer, which also satisfy the need for continuing education
- ▶ a monthly *Journal* with a balanced content and of high technical standard, which serves as a communication medium to keep members informed on matters relating to their professional interests

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Table 1

Summary of new applications and membership movements for 2007/2008 and comparison of membership grades and total membership 2007/2008

Membership grade	Members July 2007	New members	Transfers in	Transfers out	Reinstatements	Resignations	Deceased	Struck-off	Net gain/(loss)	Members June 2008
Honorary Life Fellow	38	0	0	0	0	0	0	0	0	38
Honorary Fellow	4	0	0	0	0	0	0	0	0	4
Life Fellow	12	0	0	0	0	0	1	0	-1	11
Fellow	393	9	22	1	3	1	2	4	26	419
Retired Fellow	150	0	1	0	0	3	2	3	-7	143
Life Member	1	0	0	0	0	0	0	0	0	1
Member	738	113	16	25	8	5	0	32	75	813
Retired Member	93	0	8	0	0	3	1	1	3	96
Associate	734	91	29	21	10	20	1	63	25	759
Retired Associate	14	0	0	0	0	0	2	0	-2	12
Student	771	115	0	29	0	0	0	0	86	857
Company Affiliate	155	2	0	0	0	5	0	4	-7	148
Total	3 103	330	76	76	21	37	9	107	198	3 301

- participation in technical excursions, banquets, and other social events, which create further opportunities for professional association and fellowship
- tax deduction of membership fees in most cases
- reduced registration fees for professional registration through the Engineering Council of South Africa.

Companies that become Members of the Institute

- benefit from the opportunities to exchange knowledge, particularly about new developments and research
- receive the Institute's publications of international conferences held in South Africa, as well as monographs on a variety of subjects and regular copies of the monthly *Journal*
- are entitled to send two non-member employees to mining and metallurgical schools, colloquia, congresses, visits, and excursions at member rates
- receive newsletters and notices about all Institute activities
- benefit from the fact that Company Affiliateship is tax-deductible
- have ample opportunity to send delegates to attend technical meetings to obtain information and to benefit from the experience of others.

1.2 Career Guidance and Education

G.V.R. Landman, Chairman

D. Adams	A.F. Macfarlane
M. Adams	M.J. Mothomogolo
S. Carthy	L. Petrick
M.F. Handley	B. Prout
C. Heili	M.K.C. Roberts
P.J. Knottenbelt	P.J. van der Plas

Mentoring

The Career Guidance and Education Committee is focused on the activities of retention and development of engineers and professionals already working in the industry or seeking to work

in the industry. It also disseminates information to scholars to improve the image and awareness of careers in the mining industry at school level.

Goals achieved

In order to enable retention and further development of good talent in the industry, a mentoring programme has been further developed during the year and is now functioning. In order to equip mentors and mentees with the necessary skills, a workshop was held in February 2008 sharing theory and research done on mentoring in the mining industry. An additional goal of the committee was the promotion of the mining industry in order to inform the wider society, but especially scholars, about the industry and its career opportunities. A career poster, developed in 2007 and sponsored by the industry, has been disseminated to 8 000 schools. The SAIMM website was promoted among scholars at every opportunity and contained information about different engineering careers in the mining industry.

1.3 Promotion of the SAIMM

Portfolio holder: R.G.B. Pickering

The Southern African Institute of Mining and Metallurgy had its origins in 1894. Changing times have led to changes in the Institute and now, 114 years later, we are growing vigorously with current membership standing at 3 300.

The primary objective of the Institute is to attend to the needs of all its members, though part of the change is to recognize that the Institute has to play a more holistic role and also to attend to the needs of professionals in the mining and metallurgical industry.

Their needs are ever changing due to the changing face of the metals and minerals industry, increasing diversity among members and the increasing shortage of trained human resources. The Institute responded to these challenges through the development and execution of a strategic plan in 2006. This plan was carried through into 2007 and 2008 with the

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main emphasis on completing many of the initiatives started in previous years.

An important pillar of the strategy is to promote the SAIMM. One of the drives here is to establish branches in neighbouring countries. In 2005 a branch was established in Zambia. Last year was the turn of Namibia, and work in progress includes branches in Botswana, Zimbabwe and Lesotho. There has also been a substantive effort to improve the strength and effectiveness of the other branches in South Africa—a good example is the Johannesburg Branch that holds regular meetings every month with over a 100 members at each meeting, including good representation from both Wits and the University of Johannesburg. One way to strengthen branches is to hold conferences and colloquia in conjunction with the branch and very successful events have been held in Namibia, Zambia, Zululand and the Western Cape. Other initiatives to promote the Institute include continuous improvement of the website and communication with industry stakeholders such as the Chamber of Mines. Particular thanks must go to the Chamber of Mines for allowing the Institute to continue to use their premises.

Training and development of people is an important role that the Institute plays. Our normal activities include arranging conferences and colloquia and supporting university departments with book grants and bursaries through the Scholarship Trust Fund. The Scholarship Trust Fund has also moved from South to Southern Africa and next year will see an expansion of our support to university departments that offer mining or metallurgy courses in areas where the SAIMM is represented by branches. The Institute continues to accredit symposia and seminars on behalf of ECSA, as well as managing continual professional development (CPD) credits on behalf of members. One of the more ambitious schemes launched last year was the SAIMM mentorship scheme where new graduates are brought into contact with experienced members of the industry in order to assist them with career guidance and personal development needs. The importance of the mentorship programme has been emphasized as there is no doubt that the current growth in the mining industry, following a number of lean years, has resulted in the development of an age gap. There are a number of older grey heads and many new graduates and unfortunately not nearly enough inbetween.

An important decision made during last year was that all papers available on our website will be available free of charge to all users of the site—not just members. This initiative was continued with the development of a relationship with the SME to establish a worldwide mining database, OneMine.org. Also now available through our website is the catalogue of our library collection. All these initiatives are designed to provide enhanced access to information for the mining community as a whole.

The finalization of the SAMREC and SAMVAL initiatives led to their successful launch under the banner of SAMCODE. This has been a very successful exercise carried out in conjunction with the Geological Society of South Africa and something that all who participated in it can be justifiably proud.

The back-office systems are also receiving an upgrade which will allow for the seamless integration of the website, membership and financial databases. This allow members to update their own information through the website, improve our

invoicing system (we hope thereby eliminating many of the problems experienced in previous years), and keep track of conference participation.

However, to continue and to grow as a professional organization we have also instituted an upgrade of our working environment: our offices have been redecorated, essential services and computer stations have been equipped with continuous power supplies to ensure that the numerous power cuts will not reduce our operations effectiveness, and the conference secretariat have been provided with laptops

In summary, many of the initiatives started in previous years are now coming to fruition and the Institute is well positioned to continue to serve its members for many years to come.

One area where I have not been successful in my Presidential year is to forge closer links with the African Mining Association, probably because I have not worked hard enough to develop that relationship. SAIMM has held a joint mentorship event with AMA and it is clear that we have similar objectives. I trust that the future will result in us travelling the same road together.

1.4 Awards and Adjudication Committees

Awards and Adjudication Committee—Mining

M.H. Rogers, Chairman

R.D. Beck	R.G.B. Pickering
J.R. Dixon	G.L. Smith
F.M.G. Egerton	T.R. Stacey

Awards and Adjudication Committee—Metallurgy

M. Dworzanowski, Chairman

R.D. Beck	R.L. Paul*
A.M. Garbers-Craig	

*Co-opted members

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

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	Jas Gray	S.J. Truscott
	J.V. Muller	G.A. Watermeyer
	John 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	
	J.S. Freer	
	H.G. Mosenthal	
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	

In 2008 this award is to be conferred on E.U.H. Sachse for his outstanding contribution to the Institute over a number of years.

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

This year the award is made to T.R. Stacey 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

<i>June</i>	<i>Member</i>
1924	E.C. Polkinghorne*
1926	R.M. Martin*
1927	W. Allen*
1930	E.T. Dunstan* (posthumously)
	P.L. Ward*
1931	F. Bowdler*

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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	J.D. Pollard
1947	G.H. Grange	V.C. Robinson*
	W.B. Howe	A.N. Shand*
	J. Marr-Levin	G.R. Still
	C.J. Parr*	J. Pope*
1948	D.F. Foster	N.A. Stacey
	M.H. Grusd*	J.A. Tyser
	P.A. Laxen	
	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. Mertincevic	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

* Deceased since becoming members of the club

South African National Committee on Tunnelling Award (SANCOT)

The Alec Wilson Memorial award is awarded for the best tunnelling paper by a South African worldwide or presented in South Africa. The award of R1 000 is sponsored by GOBA (Pty) Ltd.

The 2007 prize goes to A. Hindmarch, A. Griffiths, A. Officer, and G. Wittneben for their paper entitled: 'Durban Harbour Tunnel—first use of a slurry tunnel boring machine', as published in the proceedings of the *2007 Rapid Excavation and Tunnelling Conference*, held in Toronto, Canada.

Gold and Silver Medals

Papers published in the Journal from March 2007 to February 2008 by members of the Institute were considered for medals.

Gold Medal

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.

A Gold Medal is awarded to:

D.F. Malan, J.A.L. Napier, and A.L. Janse van Rensburg, for their Transaction paper published in the November 2007 issue of the *Journal* entitled 'Stope formation measurements as a diagnostic measure of rock behaviour: a decade of research'. As a non-member A.L. Janse van Rensburg receives a certificate of merit.

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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 are awarded to:

R.C.A. Minnitt for his Transaction paper published in the July 2007 issue of the *Journal* entitled 'Sampling: the impact on costs and decision making' and,

D.F. Malan and J.A.L. Napier for their Transaction paper published in the November 2007 issue of the *Journal* entitled 'The computational analysis of shallow depth tabular mining problems'.

Student Prizes

Prizes were awarded to the following students and were presented at faculty prize-giving ceremonies held at the respective universities.

The prize winners were as follows:

University of the Witwatersrand

Mining	M. Mathenjwa
Metallurgy	N. Thanjekwayo and L.M. Mufamadi

University of Pretoria

Mining	P. Kluge
Metallurgy	B. Ndlovu
Student Dissertation	P. Kluge

University of Johannesburg

Mining	R. Thothela
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University of Cape Town

Chemical Engineering	M. Salie
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University of Stellenbosch

Chemical Engineering	L. Auret
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Cape Peninsula University of Technology

Chemical Engineering	S. Nkala
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The prizes for the universities of Cape Town and Stellenbosch, and the Cape Peninsula University of Technology were awarded at the Western Cape Branch Annual General Meeting on 7 August 2007.

1.5 SAIMM Scholarship Trust Fund

M.H. Rogers, Chairman

R.D. Beck	F.M.G. Egerton
J.R. Dixon	R.P. Mohring

Donations for the year totalled some R42 000 received from Company and Individual members.

Awards to tertiary institutions totalled some R 325 000 funded from retained income and donations.

The Trustees take this opportunity to thank donors for their support and to encourage both Individual and Company members to continue to support this worthy cause. Donors are

reminded that contributions are tax deductible and to generously support students in need.

The funds are used to support needy students and to assist the tertiary institutions in providing necessary educational material for the students.

Dr L.A. Cramer retired as Chairman of the Board of Trustees during the year. We record the thanks of the members of the Institute and the Trustees for his tireless efforts in establishing the Trust and competently and successfully managing it during its initial years. The Trustees wish Dr Cramer a long and happy retirement.

1.6 SAIMM Gold Medal Awards

The South African Institute of Mining and Metallurgy were pleased to assume the administration of the Gold Medals and Scholarships in 2001, which had previously been done by the Chamber of Mines. All contributions are held in a separate fund within the SAIMM accounts.

A total of four awards is presented to the universities of Pretoria and the Witwatersrand for the best student in the Faculty of Engineering and the best student in the branches of mining or metallurgy, as determined by the universities. The award comprises a gold medal and a postgraduate scholarship to the value of R25 000.

1.7 Banquet Committee

J.A. Cruise, Chairman

R.D. Beck	R.G.B. Pickering
J.R. Dixon	M.H. Rogers
R.P. Mohring	R.P.H. Willis

The Annual Banquet's theme this year was the 'The Randalords' Banquet' featuring food that was served in the manner of the great banquets of almost a century ago. It was again held at the Sandton Convention Centre in order to accommodate the over 1 000 guests whom the SAIMM Annual Banquet attracts. The ambiance of the great banquets was recreated with large wall hangings depicting the period and the table settings.

In keeping with the theme, the main course was served on a platter with one person at each table delegated head carver and server designated by a chef's hat with the appellation 'Soff Boss' emblazoned on it. The wine was served from crystal decanters. The hors d'oeuvre were Oysters a la Waldorf Astoria, which was served originally at the Life Assurances dinner on 31 August 1916. *Le viande* was the King Henry Crown of Lamb from 1900. *Le poisson* was Rock Cod Angleterre, first served to a gathering of mayors from all over England to celebrate the Australian cricket tour held at the Savoy Hotel on 8 March 1905. The sorbet was a lemon sorbet, which was served on the *Titanic* in 1912. The *entremets de douceur* was the world famous Chezy Savy Crème Brulee first created in 1923. The feast was rounded off with cheeses from around the world followed by port, *café noir* and English tea.

Dancing continued until the wee hours in order to dissipate the effects of overindulgence.

2. Technical Meetings

Portfolio Holder: J.C. Ngoma

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2.1 Technical Programme Committee—Mining

M.J. Mothomogolo, Chairman

A.M. Clegg**	R.G.B. Pickering
J.A. Cruise	J.L. Porter
J. du Plessis*	M.H. Rakale
F.M.G. Egerton	B.C. Rip**
P.H. Ferreira	D. Rungan
C. Fredericks	M. Seeger**
M. Handley	G.L. Smith
G.V.R. Landman	T.R. Stacey
D. Limpitlaw*	F.W. Taylor**
A.S. McFarlane*	J. Truter
M.P. Mullins**	H.G. Waldeck
J.C. Ngoma	J.N. Wallington*
K.C. Owen**	R.P.H. Willis
R.C.D. Phillis*	

*Co-opted members

**Resigned

The Technical Programme Committee—Mining TPC has arranged twelve events during the year under review. This is one fewer than the number held in the past year. There were about two events held in the newly established branches in the SADEC region. These were made possible largely due to the continued excellent work of the secretariat and committee members. In addition to these colloquia, the Johannesburg branch had a number of discussion sessions on Thursdays, which have become topical; the branch continues to grow these sessions, helping to disseminate information throughout the industry.

The current commodity cycle boom and record prices we are experiencing have brought with them increased workloads for all of us in the industry. There are new projects, increased production pressures and deadlines, for both service providers and mine operators. It has become more difficult for many committee members to attend to the committee activities. We

have also seen a couple of requests for extended absence from committee activities by some members who felt they cannot continue to make a contribution to the committee. To this end we would like to increase the number of committee members in order to spread the committee work and lighten the load.

On the admin side of things, we have had some resignations and new additions to the staff. The accountant, a receptionist and a conference coordinator left and they were all replaced. We also hired a new publications person and the original publications person moved over to conferences to help with the books and authors.

In a quest to further integrate SAIMM into associations within the industry, there is continuing liaison with the GSSA and SANCOT, with the members of both now paying the same rates as our members at events. We shall also be holding certain events jointly to exploit synergies and also synchronize calendars to optimize delegates' attendance at events. There are also cross-representations of each on the other committee. See below a table of events with statistics.

The most successful events in terms of delegates' attendance was the Base Metals Conference with a total of 181 delegates, the HMC conference was based on 'excess over the expense'. The SSC breakfast, which aims to inform the industry and the public about the new codes, was a success in itself as the number of delegates was more than expected, showing that there is increased interest by the people from both outside and within the industry. We have decided to make this an event that in future will be led by both SAIMM and the GSSA as it is felt that we should be the custodian organizer to demonstrate the objective of collecting and disseminating information throughout the industry.

The hard work and commitment of the committee members and the secretariat are acknowledged and highly appreciated. Particular note should be made of the commitment of the event organizing chairpersons. The success of the TPC-Mining depends on this dedication and willingness to devote time to advancing the objectives of the SAIMM.

Schedule of Mining/Metallurgy Technical Conferences, 2007/2008

Type of Event	Date	Title	Convenor	Attendance
Seminar	10 July 2007	Gautrain	J.A. Cruise	155
Conference	23–27 July 2007	Base Metals 'Africa's base metals resurgence'	P. Fouche	181
Conference	10–14 September 2007	Heavy Minerals Conference 'Back to Basics'	J.H. Selby	159
Symposium	8–10 October 2007	Cave Mining	T.R. Stacey	93
Colloquium		Student Colloquium	M.F. Handley	152
Colloquium	25–26 October	Diamonds	G.L. Smith	135
Conference	27–28 November 2007	Copper Belt-Zambia		52
Seminar	4 December 2007	Gautrain	J.A. Cruise	192
Symposium	23–29 February 2008	Lead & Zinc 2008	W. van der Merwe	72
Symposium	30 March–3 April 2008	Ground Support	T.R. Stacey and D.F. Malan	140
Breakfast	10 April 2008	SAMRAC & SAMVAL Code Breakfast	J.R. Dixon	227
Symposium	5–7 May 2008	Narrow Vein and Reef Mining	R.P.H. Willis	117

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2.2 Technical Programme Committee—Metallurgy

R.T. Jones, Chairperson

M. Dworzanowski, Vice-Chairman

T. Claassens

G.C.P. Donoghue

M. du Plessis

P.A.P. Fouche

A.M. Garbers-Craig

J. van Huyssteen

A.F. Mulaba-Bafubiandi

J.H. Potgieter

R. Suss

W. van der Merwe

P.J. van der Plas

**Co-opted members*

The Metallurgy Technical Programme Committee has worked towards ensuring that a good selection of topical technical conferences is provided for the continuing education of metallurgical professionals. These events provide an important forum for the efficient dissemination of information about new processes and techniques for improvements in the industry, as well as promoting networking between industry professionals working in the metallurgical field. SAIMM conferences generally receive accreditation from the Engineering Council of South Africa (ECSA) for the requirements of continuing professional development (CPD).

Conferences held this year have enjoyed good sponsorship and have been reasonably well attended, although attendance figures have not been as high as last year—ranging between 50 for smaller events, and 180 for larger multi-day international conferences. Formal proceedings of refereed papers are published for most conferences (usually in book form with an accompanying CD). Conference proceedings are also fully published on the SAIMM website, in order to make the information searchable and available to as wide an audience as possible.

The 2007/2008 year has included a variety of events, and some highlights are mentioned below.

The Fourth Southern African Base Metals Conference was held in July 2007 in Swakopmund, Namibia. This conference followed the previous successful bi-annual events at Victoria Falls, Zimbabwe (2001), Sun City, South Africa (2003), and Kitwe, Zambia (2005). The theme of this year's conference was Africa's Base Metals Resurgence. Technical visits to Ongopolo Mining (Tsumeb), Rosh Pinah, Skorpion Zinc, and Rossing Uranium were undertaken, and were highly appreciated by participants. More than forty papers were presented at the conference. There was an attendance of 181 participants, making this the largest Southern African metallurgical conference of the year.

The Western Cape Branch of the SAIMM held their 25th annual Mineral Processing Conference & Workshop in Cape Town in August 2007. This well-established event featured a number of keynote addresses that looked at the progress made over the past quarter of a century in a variety of metallurgical disciplines.

The 5th International Heavy Minerals Conference was held in Hluhluwe during September 2007. Delegates were treated to some game viewing during their leisure time, as the conference was held in a game reserve. This conference was attended by 159 people, and attracted a great deal of sponsorship and support from industry.

The annual Student Colloquium (subsidised by the surplus funds from other events) was held at Mintek in Randburg in

October 2007, and attracted participation from a number of the tertiary educational institutions in Johannesburg and Pretoria, with 152 people attending. This event continued to provide a showcase for students to present their final-year projects.

A Copperbelt conference was held in Zambia during November 2007, and was attended by 52 delegates. This event, which included considerable input from the mining side, was organised in support of the relatively new Zambian branch of the SAIMM.

The International Symposium on Lead and Zinc Processing was held during February 2008. This continued the tradition of holding international symposia on this topic for over three decades. A novel aspect of this conference was that it took place on the cruise ship *Melody*, travelling between Durban and Bazaruto Island. The fact that all participants stayed close together for the entire duration of the conference meant that there were wonderful opportunities for networking. Unfortunately there were another three zinc conferences elsewhere in the world within a few months of this event, and this played a part in limiting the number of participants to 72.

During April 2008, the SAIMM hosted a delegation from the Indian Ferro Alloy Producers' Association, led by Mr T.S. Sundaresan, the Secretary General of IFAPA. As a direct follow-on from the previous year's International Ferroalloys Conference (Infacon XI) in New Delhi, India, a group of nine distinguished visitors from India spent the best part of two weeks touring South Africa visiting a number of chrome and manganese ore mines and operating ferro-alloy plants. The visit culminated in an afternoon seminar held at Mintek, which was open to local industry representatives, and provided an opportunity for them to be exposed to a very interesting perspective on the Indian ferro-alloy and steel industry. The local South African industry benefited by having the tour support the accompaniment of a local young engineer who gained a broad exposure to the industry, as well as providing many opportunities for international contacts. This trip was seen as being highly successful, and much positive feedback was received from IFAPA. Similar international visits should be encouraged in the future.

In addition to the events actually organised by the SAIMM, there was also SAIMM participation in the organising committees of a number of overseas international events.

The TPC-Metallurgy committee had the support of a group of highly capable members, and this resulted in a number of worthwhile technical events being provided for the benefit of the metallurgical community of Southern Africa. The conference organisers within the secretariat have handled the arrangements for the conferences in a professional way that has resulted in many favourable comments from those attending.

2.3 South African National Committee on Tunnelling (SANCOT)

J.A. Cruise, Chairman

A. Boniface

G.N. Davis

P.H. Ferreira

A.L. Griffiths

E.A. McCarter

R.G.B. Pickering

E.J. Sellers

T.R. Stacey

F.B. Stevens

H.J. Tluczek

J.N. van der Merwe

Annual report

SANCOT had a successful year with two one-day colloquia on the Gautrain Project held at the Military Museum conference centre. The first one was held in July with an introductory presentation by the Project Director on the *raison d'être* of the high speed railway project linking Johannesburg and Pretoria with a spur from Sandton to O.R. Tambo International Airport. The section from Kelvin in Sandton to Park Station in Johannesburg is designed to run as an underground tunnel. The consultants presented the design criteria of the tunnel and the contractors presented their *modus operandi*. The soft ground section is developed using a large diameter tunnel boring machine and the hard rock section is developed using conventional drill and blast techniques. Due to the interest of this world-class project the colloquium was fully subscribed.

The second colloquium on Gautrain was held on St Barbara's Day, 4 December. Santa Barbara is the patron saint of miners and tunnellers and so it was fitting that one of the papers described the rituals that are held around the world for Santa Barbara on her day. We were fortunate that 4 December coincided with the launch of the tunnel boring machine out of its pit and into the tunnel. Thus we were able to have a bird's eye view of the fully assembled machine before returning to the Military Museum to toast Santa Barbara in the traditional fashion with kegs of beer and an oompah band.

For the occasion, we were honoured by the presence of the Secretary General of the International Tunnelling Association, Mr Claude Berrengier, who not only addressed the colloquium on the affairs of the ITA, but also was able to have in-depth discussions with the SANCOT committee concerning the implementation of an internationally recognized shotcrete nozzlemans accreditation.

In the planning stage for the forthcoming year, SANCOT is organizing a colloquium in KwaZulu-Natal on the construction of a pumped storage scheme, and an international conference on shotcreting. During the period of the latter, the ITA committee have agreed to hold their committee meeting. Thus SANCOT maintains its standing in international tunnelling.

3. Publications

Portfolio Holder: G.V.R. Landman

R.D. Beck, Chairman

F.M.G. Egerton

A.M. Garbers-Craig

M.F. Handley

R.T. Jones

J.H. Potgieter

R.E. Robinson

G.L. Smith

T.R. Stacey

J.N. van der Merwe

H.G. Waldeck

3.1 Journal

Twelve issues were published again this year. Seventy-eight papers were published, which is a decrease on the previous year (98) because fewer *Journal* Papers were published. Two special issues were published: School of Mining Engineering, the University of the Witwatersrand (August 2007) and Ground Support (June 2008). A student issue was again published in April, which contained papers written on project work carried out in partial fulfilment of their degrees.

Fifty-five Transactions, 17 *Journal* and 6 student papers and 2 Technical Notes were published. The numbers for the previous year were 45, 44 and 7 respectively, with no Technical Notes. It is pleasing to note that the number of transaction

papers, which are peer reviewed and represent the peak of publishing technical quality have increased. The number of papers submitted to the *Journal* also increased substantially, primarily from overseas. fifty-seven papers were rejected of which 3 were from Southern Africa. The number of papers from overseas has created a problem with finding referees with the time required to access these papers. The English and technical merit of a number of these have been found to be questionable. The professionalism displayed by our referees has prompted them to attempt to aid the authors in rectifying both. This has taken of their time and a number of papers have been in the pipeline for some time. In order to streamline the process, referees have been requested to reject papers at an earlier stage, if they do not make the English and technical merit readily. We believe it is not up to the Publications Committee and referees to rectify the standard of papers submitted. The number of papers from out-side Southern Africa was 32%, a slight increase on previous year (22%), representing nine countries.

Advertising revenue again increased and was 22% above the previous year. Barbara Spence of the Avenue Company and her team are thanked for their very good performance. Other *publication* costs were in line with the budget.

Professor Robbie Robinson has continued his thought-provoking *Journal* Comments throughout the year for which we are very grateful. The insight he brings to mineral related issues is commendable.

The DTP department has again maintained the high standard of Journal layout and thanks go to Dawn van der Walt and Zuliakha Malgas.

I should like to thank Nazli Mamdoo, the Publications Coordinator for her hard work and the members of the Publications Committee for their work and advice, and all the staff of the Secretariat for their input during the year. Nazli has moved within the Secretariat to conferences and we have welcomed Abigail Lawrence as Publications Coordinator. Finally, thanks go to all those who have given of their time as referees, without whom the standard of the *Journal* could not be maintained.

A number of potential books for publication have been discussed during the year. The only one approved has been the 2nd edition of *Rock Engineering for Underground Coal Mining* edited by Dr Nielen van der Merwe.

4. Regional Development

Portfolio Holder: A.M. Garbers-Craig

J.C. Ngoma, Chairman

A.M. Clegg

M. Dworzanowski

M.J. Mothomogolo

M.H. Rakale

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*
- ▶ *co-operates 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.*

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4.1 SAIMM Branches

4.1.1 Botswana Branch

J. Arthur, Chairman

Following the establishment of the branch committee an application for registration was submitted to the Registrar of Societies of Botswana.

To date registration remains outstanding pending further submissions of an amended branch constitution. It is envisaged that a further delegation will make the necessary representation to the authorities during August in an attempt to resolve the issue.

Initial interest in the branch has been encouraging across a wide cross section of industry. It is hoped that on completion of the above formalities the branch can become established, an ongoing programme of events initiated and the opportunities for a vibrant Botswana based branch realized.

Branch is represented on the Base Metals 2009 conference with the intention of hosting the event in Botswana during next year.

4.1.2 Bushveld Branch

C.A.F. Sweet, Chairman

The bushveld region held a very successful day at the Eland Platinum mine in the latter part of last year.

There was an excellent turnout, and the visitors were given a presentation on the mine, which had commenced less than 12 months before, and had made significant progress.

People were taken for a mine visit by Wayne Sweet (the manager mining) and the M.C.C management, and it is possible to see the mining operations taking place as it is an opencast operation at present. The mine was moving in excess of 3.5 million tons a month and doing around 200 000 tons of ore a month.

The group were then taken on top of one of the major stockpiles where they could see the concentrator as well as much of the infrastructure and a bird's eye view of the west pit. Stockpiles of close to a million tons were to be seen and impressive numbers were quoted by Rassie Erasmus, Wayne and the team.

M.C.C. were good to us and cleared out the workshop where an excellent lunch was enjoyed by all.

After lunch Craig Sweet took the people, who wanted to have a closer look at the plant as well as ask process specific

questions, through the recovery plant and facilities. The rest of us stayed and answered questions as well as having discussions on the other detail.

We wish to extend our thanks to Ben Moolman of Xstrata, for allowing us to still host the visit as Xstrata was in the throws of taking over the Elands project and we were reaching the end of our tenure.

We were planning more activities but time ran out on us. For 2008 we have some plans, which include a visit to a multi-seam bulk sample and the problems associated with the activities as well as a visit to the Dimension Stone industry in the Rustenburg area.

4.1.3 Johannesburg Branch

E.U.H. Sachse, Chairman

G.C.P. Donoghue	X. Pan
V.G. Duke	W. Taylor
C. Heili	M. Woodhall
M. Mokgojwa	

Introduction

The year July 2007 to June 2008 is reviewed in this annual report. Overall, the Branch Committee has remained stable and the level of support and commitment by the committee members were excellent.

The University of Johannesburg student body from their Mining and Metallurgical departments have attended all activities during the year. Wits University Mining Students have now elected representatives to the Branch Committee. This initiative has now matured with regular attendance by the students.

Finances

The branch activities have been well sponsored and if all amounts invoiced are received, the branch will be self-funding, with a small excess.

Technical presentations

The presentations tabled give a good indication of the active and varied participation by all.

The year-end family outing to the Tswaing Crater, a guided hike followed by a braai lunch, was particularly well attended and enjoyed by all.

Past year Technical Presentations: Johannesburg Branch of the SAIMM: 2007/2008

Date	Title	Presenter	Sponsor	Responsibility	Venue
2007-07-31	Understanding Africa's Energy Crises	C. Dahl	SAIMM	U. Sachse	Military Museum
2007-08-16	Update on Underground Support Technology	P. Ferreira	Minnova	U. Sachse	Military Museum
2007-09-20	EastPlats: Monochrome to Technicolour	P. Naidoo	EastPlats	U. Sachse	Military Museum
2007-10-18	Platinum and the Bushveld Complex: Junior Explorers	K. Lomberg	RSG Global	K. Dabinet	Military Museum
2007-12-08	Tswaing Crater				
2008-02-21	Norilsk in Africa	G. Potgieter	Norilsk	M. Woodhall	Military Museum
2008-03-14	Launch of Crown Mines Book	G. von Ketelhodt	Wilsan Publishers	V. Duke	Military Museum
2008-04-17	Ruashi Mine Start-up	T. Faber	Metorex	C. Heili	Military Museum
2008-06-26	Morgan Stanley	C. Hutton	Morgan Stanley	V. Duke	Military Museum

Annual report

Acknowledgements

As Chairperson, I would like to thank the Committee for their work during the year. Having regular Committee meetings prior to the evening presentations has assisted with the overall co-ordination of the branch function.

I would like to thank Ginette Oliver for her hard work during the year and the secretariat in general for their support and the excellent co-ordination of events.

I would also like to thank our speakers for their valuable contributions, as well as the audiences and sponsors.

It is always gratifying to see Council members and Past-presidents in our audiences.

4.1.4 Namibian Branch

No report was submitted this year.

4.1.5 Pretoria Branch

I. Matunhire, Chairman
T. Mahlangu, Vice-Chairman

L. Barlow	M. Matsoeni
B. Draba	R. Raphukula
D. Gudmanz	L. van der Walt
S. Havenga	R. Webber-Youngman

The SAIMM-Pretoria Branch in the period July 2007 to date organized monthly seminars in conjunction with the Departments of Materials Science and Metallurgical Engineering and Mining Engineering. These seminars were given by presenters from outside the University of Pretoria, and the audience were principally students and lecturers of the two departments.

There are two main highlights of the year, these being the

- ▶ presentation by the incoming President of the Southern Africa Institute of Mining and Metallurgy, Mr R.G.B. Pickering
- ▶ Research Seminar of the School of Mining and Mineral Sciences at the University of Pretoria.

The Research Seminar for the School of Mining and

Minerals Sciences is an annual event that showcases the research activities and outputs of the school to the external stakeholders. These two events are very important to the branch as they also enable the student 'would-be members' and members to appreciate the value of SAIMM in their professions. Key to this is to increase not only the membership numbers of students but participation in the organization at an early stage of their careers. To foster this, cocktail parties are part of the seminar presentations to encourage networking and informal discussions among members and our presenters. The branch would like to express its sincere gratitude to all the speakers who availed themselves of the presentations for the year.

Dr Isadore Matunhire who was the Branch Chairman until November 2007 is acknowledged for laying the foundation for the programme. Special thanks also goes to the committee members, the heads of departments for both Mining (Dr Ronny Webber-Youngman) and Materials Science and Metallurgical Engineering (Professor Chris Pistorius) for being excellent hosts for the branch. Last, but not least, I would specially like to thank the people that worked behind the scenes and really put in a special effort to keep the SAIMM Pretoria Branch alive, namely Sarah Havenga and Daleen Gudmanz.

4.1.6 Western Cape Branch

A.J. Burger, Chairman

M. Aziz	A.N. Mainza
S. Bradshaw	A.B. Nesbitt
C.J. Cutler	J. Petersen
D.A. Deglon	C.G. Sweet
V.G.F. Fester	J.A. Sweet
J.-P. Franzidis	E.L. Thyse
G. Georgalli	P.J. van der Plas
A. Lewis	

Activities at the Western Cape Branch of the SAIMM focus on two aspects. The first is the promotion and support of mineral processing through the annual Mineral Processing Conference. Secondly, students are informed and encouraged to consider mineral processing as a career.

Mini colloquia, past year events, and future planning: Pretoria Branch of the SAIMM: 2007/2008

Date	Title	Presenter
2007-07-25	Has the South African Narrow Reef Mining Industry learnt how to change?	R. Pickering, <i>President Elect, SAIMM</i>
2007-08-22	The role of the metallurgical engineer in the asset integrity management system of an organization with reference to the equipment life-cycle	R. Mostert, <i>MegChem Centurion Office</i>
2007-09-05	The application of a Metallurgical Engineering degree in industry	S. Swanepoel, <i>Xstrata Lydenburg Works</i>
2007-09-19	Norilsk Nickel: An international perspective	G. Potgieter, <i>Norilsk Nickel Africa</i>
2007-10-10	The Total Manager in the Metallurgical Industry	C. Roode, <i>Metenco</i>
2007-10-16	The Gautrain Project: An overview and impact on Centurion/Pretoria/Hatfield	A. Freemantle and L. Pringle, <i>Gautrain Project</i>
2007-10-24	Metallurgy in Forensic Investigation	D. Poolman, <i>Forensic Science Laboratory, South African Police Service</i>
2007-10-26	Theme: Coal, carbon and climate (4 presentations)	2007 Research Seminar, <i>School of Mining and Mineral Sciences</i>
2008-02-20	X-ray absorption spectroscopy: Determination of the vanadium redox state in titanomagnetites from the Bushveld Complex	A. Bordage, <i>Institute de Mineralogie et de Physique des Milieux Condenses, Universite Pierre et Maie Curie, Paris (France)</i>
2008-05-21	Overview of Vanderbijlpark Blast Furnace D Rebuild in 2007	H. Kruger

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Mineral processing conference

The 25th annual Mineral Processing Conference was hosted by the branch in August 2007. Several of the original initiators of this annual event were invited to participate, including Richard Beck, Cyril O'Connor, Geoff Hansford and Brian Paddon. Ms Meg Winter was also thanked for her contribution to the success of the conference over the years.

As usual, the two-day conference provided a platform for interaction between individuals from industry and academia to share their experience and research results on a wide range of related topics. Furthermore, the conference provided post-graduate students with an ideal opportunity to present and promote their research work.

Professor O'Connor opened the conference as plenary speaker, with the following topic: 'Challenges facing the South African mining industry—a contextual analysis'. The chairperson for each session provided a ten-minute overview of the achievements of the past 25 years in the respective fields. Furthermore, the demands and challenges for the next 25 years were highlighted. The conference was attended by 190 delegates and the parallel sessions themed, amongst others, comminution, environmental, flotation, hydrometallurgy, metallurgical accounting, process control, bioprocessing, physical separation and pyrometallurgy. The keen support as well as the many high quality presentations, once again confirmed the relevance and importance of this conference.

The conference was preceded by a workshop on 'Physical separations—innovations and techniques for improved plant performance' and was organized by Dr Aubrey Mainza from UCT. The workshop covered aspects related to dense media separation, screening, magnetic separation, electrostatic separation and gravity separation.

Promotion and other activities

The so-called Post Graduate Fund was launched in 2007 with the objective to support postgraduate students in minerals processing at any Western Cape university to present their research work at an international conference. A total amount of R120 000 was allocated (and ring-fenced in the accounting system) towards this initiative. Following this initiative, two allocations of R15 000 each are now made every year (one in February and another in August) and the first recipient in 2008 was Mr Case Bakker from UCT.

Close co-operation between the different tertiary institutions are encouraged through a number of initiatives. Annually the Western Cape branches of the SAIMM and SAIChE host a student evening to promote the activities of both institutes. The 2008 event was organized by Mr Greg Georgalli from the University of Stellenbosch. The event was hosted on 23 April 2008 at the Markotter Sport Fields in Stellenbosch and was attended by almost 100 students from the Cape Peninsula University of Technology, the University of Cape Town and the University of Stellenbosch. Professor André Burger and Mrs Zita du Toit (both from Stellenbosch) provided overviews of the SAIMM activities and SAIChE activities respectively.

The SAIMM Prestige Prize for best student in Mining and Metallurgy at each of the three academic institutions was presented by Dr John Cruise at the Mineral Processing conference dinner to Y. Zhou (CPUT), A. Schoeman (UCT) and P. du Plessis (US).

4.1.7 Zambian Branch

S.C. Mulenga, Chairman
J. Taylor, Vice-Chairman
H.L. Zimba, Secretary
W. Banda, Treasurer

J.P.C. Mutambo F. Simwanza
S. Simukanga

The Zambian branch of the Southern African Institute of Mining and Metallurgy (SAIMM) successfully hosted the first colloquium held in Chingola from 27 to 28 November 2007. The colloquium presented an opportunity for local and international participants to get an update on the newest technology developments and projects in Zambia. The programme was made up of one day of joint sessions of common interest to the entire audience and a second day of technical tours to local metallurgical plants and mining operations.

Annual General Meeting

An Annual General Meeting (AGM) was held immediately after the colloquium on 27 November 2007 at the Protea Hotel in Chingola where new executive members were elected.

The full list of executive members of the Zambian branch is as listed above.

Registration of the Zambian Branch

It is mandatory by law that any organization or institution whether local or international has to be registered with the Registrar of Societies in Zambia. To this effect the Zambian branch of SAIMM is pleased to announce that it is now officially registered as an International organization under registration number ORS/102/22/246.

Post office box

The Zambian branch of SAIMM has managed to open a post office box in Chingola, Zambia. The box number is 10144 and all official documents from the mother body can be channelled through this box number.

4.1.8 Zimbabwe Branch

No report was submitted this year.

4.1.9 Zululand Branch

I. Walton, Chairman
E. Clare
E. Williams

The Zululand Branch of the SAIMM had a very quite year in 2007. The main focus of the latter part of 2007 was the Heavy Minerals Conference that was held at Zulu Nyala in Northern Zululand. The Branch would like to thank the SAIMM Secretariat for all the work that they did to ensure that the conference was a resounding success. A conference of this nature would not be possible without the dedication and professionalism of the SAIMM Secretariat.

The Branch once again maintained its association with the other professional institutes in the KZN area. Branch activities have been supported by members from Richards Bay Minerals,

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Exxaro Sands KZN, Foskor and the Bayside and Hillside Smelters. Suppliers to these industries such as Multotec KZN, Roche Mining, Spectrum Technical and Buckman Laboratories have also given us great support during the year.

Branch technical activities

The Branch has had a very quiet technical programme so far this year. Members were invited to a seminar on sampling techniques by Francis Picard who is an expert on sampling theory.

Hatch gave a presentation on furnace start-up and external taphole design and CSense held a symposium on computer modelling and process control to which all the members were invited.

Branch social activities

The annual golf day will be held in October and it is hoped to hold a mountain bike race and quiz evening during the year.

5. Engineering Science and Technology in South Africa

Portfolio Holder: R.P. Mohring

5.1 Engineering Council of South Africa (ECSA)

	Mining	Metallurgy
Representative	J.A. Cruise	R.F. Sandenbergh
Alternates	M.H. Rogers	

Professional Advisory Committee (PAC)

One of the critical functions of ECSA is to ensure that, through a peer evaluated system of quality assurance, persons working within the profession are educated and trained according to widely accepted standards, so as to render a professional service for the benefit of the public and the country as a whole.

The Professional Advisory Committees of ECSA are responsible for evaluating applications for registration as professional engineers within their disciplines and also contributing to wider policy matters as required.

The Institute nominates members to the PAC's for Mining and Metallurgy.

During the past year the Pac's for mining and metallurgy continued their important work of evaluating the qualifications and experience of applicants for registration as Professional Engineers. The institute also provides the administration and assessors for the Professional Reviews, a prerequisite for registration.

Assistance continues to be provided by nominees of the Institute in the accreditation of courses offered by tertiary educational institutions in the disciplines of mining and metallurgy.

Professional Advisory Committees

PAC Mining

J.A. Cruise, Chairman
M.H. Rogers, Vice-Chairman

F.M.G. Egerton	G.L. Smith
R.P. Mohring	T.R. Stacey
M.J. Mothomogolo	J.N. van der Merwe
J.C. Ngoma	D.J. van Niekerk
R.C.D. Phillis	

PAC Metallurgy

R.F. Sandenbergh, Chairman

N.A. Barcza	R.H. Eric
R.D. Beck	H.E. James
L.A. Cramer	

The identification of engineering work: compulsory registration

The Identification of Engineering Work steering committee has drafted proposed regulations with regard to compulsory registration of persons conducting 'identified engineering work'.

These draft regulations have been submitted to the Council for the Built Environment and other interested and affected parties for their comment. No progress has been made by the CBE as they have been attempting to get all six Councils to submit their draft proposals simultaneously and certain Councils have been tardy in developing draft regulations for their professions.

The COM has initiated a project to gauge the impact of the draft regulations on the mining industry. This work is ongoing.

Recognition of voluntary associations

The SAIMM is a recognized Voluntary Association in terms of ECSA's policy. An important benefit to members of the SAIMM is that registered persons are entitled to a significant reduction in their ECSA annual fees.

Continuing professional development (CPD)

Renewal of registration (on a five-year cycle) through undertaking acceptable CPD became mandatory on 1 January 2006. Registered persons are required to start undertaking and recording CPD activities as from 1 January 2006.

The implication of the introduction of CPD is that Registered Persons are required to present evidence of continuing professional development at predetermined intervals in order to maintain their registration.

To date there has been a very poor response by registered persons in providing ECSA with details of their CPD activities.

The SAIMM is an approved provider of CPD activities and will be tasked with vetting all outside courses for CPD purposes in mining and metallurgy.

Details can be obtained on ECSA's website (www.ecsa.co.za).

Built Environment Professions Bill

The Department of Public Works has drafted a bill which proposes to repeal the legislation which established the current seven Built Environment Councils, including the Engineering Council of South Africa, and create a new South African Council for the Built Environment.

The effect of these proposals will be that The Engineering Council of South Africa will lose the autonomy that it currently enjoys under its own legislation, the Engineering Profession Act which is to be scrapped. In future it will be a board under the control of the South African Council for the Built Environment. This new Council will regulate and control the affairs, and take over the assets of the present six councils i.e. engineers, architects, construction and project managers, landscape architects, quantity surveyors and property valuers. Representation by engineers on this Council will be reduced to one member on an eighteen member Council.

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The bill provides wide ranging powers for the Minister and the Built Environment Council whilst limiting the representation of Engineers in the decision making body.

Objections to the proposed bill have lodged by ECSA and a large number of engineering Voluntary Societies.

5.2 South African Academy of Engineering

R.F. Sandenbergh, Chairman

The objectives of the Academy of Engineering are to promote excellence in the science and application of engineering for the benefit of all members of the public in South Africa. The Academy comprises South Africa's most eminent engineers of all disciplines and related professionals with proven ability and achievement. During the year the representation of Mining and Metallurgical Engineers in the SAAE was increased to recognize their achievements and to facilitate interaction and contributions over a broader front of engineering. The Academy is presently negotiating with various stakeholders and the government for the official recognition of the SAAE to enable it to provide a better service and to participate in international activities such as the International Council of Academies of Engineering and Technological Sciences.

The Academy also jointly hosted an International Workshop on Challenges of the Engineering Skills Shortage at the University of Pretoria on 3 and 4 March 2008, which was attended by representatives from the Royal Academy of Engineering, the Indian Academy of Engineering and the Australian Academy of Technological Sciences and Engineering, government, industry and academic institutions. The implementation of recommendations flowing from the workshop is being discussed with JIPSA.

The South African Academy of Engineering and the University of Pretoria took over the responsibility for coordinating the annual Hendrik van der Bijl Lecture at the University of Pretoria. This year's Hendrik van der Bijl Lecture, delivered on 28 May 2008 with the title: Engineering Education a South African Perspective, was presented by Prof Roelf Sandenbergh, Dean: Faculty of Engineering, Built Environment and Information Technology, at the University of Pretoria.

6. State Liaison

Portfolio Holder: R.G.B. Pickering

6.1 Outcomes-based Education and Training (OBET)

Mining Qualifications Authority

The main achievements of the Mining Qualifications Authority (MQA) as Sector Education and Training Authority (SETA) for the SA Mining and Minerals Sector (SAM&MS) for the year under consideration, include the following:

- ▶ Finalization of the streamed conceptual design of the Level 5 qualification for Mining Practice for the three main sub-sectors, namely underground hard rock, underground coal and surface mining, and
- ▶ The Standards Generation Body for Mining and Minerals (M&MSGB) arranged for a service provider to perform an Equivalency Analysis for the following certificates of competence currently issued by the Department of Minerals and Energy:

- GCC for Mine Managers: Underground Hard Rock;
- GCC for Mine Managers: Fiery (U/G Coal) Mines;
- GCC for Mechanical Engineers (Mines and Works); and
- GCC for Electrical Engineers (Mines and Works).

The study concluded that the 4 GCCs are substantially equivalent with the new generic outcomes-based qualifications for certificated engineers and that due to the lack of gaps with concomitant hazards and significant risks, persons in possession of valid GCCs be considered fully competent and be allowed to continue to practise indefinitely as certificated engineers in the SAM&MS.

- ▶ The M&MSGB held a successful workshop in July 2007 to resolve the framework of envisaged qualifications for the Occupational Environment Engineering and Hygiene practice area. The Workshop agreed that the Certificate in Mine Environment Control (MEC) issued under the custodianship of the Chamber of Mines of SA, will sometime in the near future be replaced by a 360 credits, Level 6 National Diploma in Engineering Technology and a 120 credits, National Certificate in Engineering Technology (Stage 2, work-integrated learning component)
- ▶ The M&MSGB held a successful workshop on 18 March 2008 to resolve the framework of envisaged qualifications for the Strata Control/Rock Engineering practice area. The workshop agreed that the Rock Mechanics Certificate of Competency currently issued under the custodianship for the Chamber of Mines of SA will in the near future be replaced by the Stage 1, 480 credits, Level 7 National Degree in Engineering Technology and a Stage 2, 120 credits, Level 7 National Certificate: Engineering Technology Qualifications for work-integrated-learning
- ▶ The M&MSGB established a Certificated Engineer Steering Committee, which will develop Learner-ships for the Stage 2 work-integrated-learning component for certificated engineers and managers.

The Engineering SGB/ECSA

The main achievements of the Engineering SGB for the year under consideration include the following:

- ▶ Revision and re-registration of the 120 credit Stage 1 competency standard in Engineering Technology at Level 5 on the 10-Level National Qualifications Framework (NQF)
- ▶ Revision and re-registration of the 120 credit Stage 1 competency standard in Engineering Technology at level 6 on the 10-Level NQF; and
- ▶ Obtained agreement from relevant stakeholders for the qualification for Certificated Mechanical and Electrical Engineers and Certificated Managers (Mining) captured by the proposed draft Stage 2 Qualification at level 7 ('broadly defined practice') on the NQF. The participating Mines Professional Associations, which include the SAIMM, have played a significant role in achieving this critical milestone. This generic qualification also provides the competency profile for practitioners in the Factories, Transport and Marine Sectors.

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Outstanding/unresolved issues

The following outstanding/issues still require resolution:

- ▶ The issue relating to the implementation of the newly designed Stage 2 engineering qualifications—with specific reference to its integration/harmonization with current registration practice and qualify assurance in ECSA
- ▶ Legislative interventions and compulsory licensing in the SAM&MS
- ▶ Compulsory currency-of-competence in the SAM&MS
- ▶ Finalization of the unit standards and learning packs for the Level 5 streamed Qualification in Mining Practice; and
- ▶ Finalization of the unit standards and learning packs for the Level 4 streamed Qualification in Mining Practice
- ▶ Further consideration by the Mine Health and Safety Council and the Board of the Mining Qualifications Authority (MQA) the DME's 'Discussion Paper: Training, Competency Certificates and Licensing in the SA Mining and Minerals Sector' which, amongst others proposes registration to be the appropriate mechanism to replace the Mine Managers' and Engineering Competency Certificates currently issued by the Government.

Identification/reservation of engineering work

The ECSA Council, at its meeting held on 24 November 2006, approved the 'Proposed Identified Engineering Work (IEW) Regulations'.

In terms of section 20.(1)(b) of the Built Environment Act, 2000 (Act No 43 of 2000) 'the Council must consult with any person, body or industry that may be affected by the IEW'.

In terms of section 20.(2) of the Built Environment Act, 'the Council must after consultation with the Competition Commission and in consultation with the Councils for the professions, identify the scope of work for every category of registered person'.

After the said 'Proposed IDoEW Regulations' were delayed at the Council for the Built Environment (CBE) for a period of 15 months, it has been forwarded for consideration and further processing the Competition Commission.

Phase II of ECSA's IDoEW Project will focus on the marketing and promotion of the 'Proposed IDoEW Regulations' and to consult persons, bodies or industries that may be affected by the proposed IDoEW Regulations. Numerous institutions, voluntary associations as well as other interested and affected parties have been visited during 2007 to familiarize them with the proposed IDoEW regulations.

Potential implications: implementation of the proposed IDoEW regulations

The employer grouping and the participating MPAs have jointly undertaken an 'Acid Test Survey' to determine the potential implications of the imminent promulgation and implementation of the proposed IDoW regulations in the SA Mining and Minerals Sector. The draft report has identified the potential implications from the Survey but a follow-up Questionnaire was distributed throughout the industry to obtain quantification for some of the potential implications. The final report is expected to constitute the basis for the long-awaited engagement between the Mine Health and Safety Council and ECSA.

7. International liaison

Portfolio Holder: R.G.B. Pickering

Key Performance Areas

To achieve its objectives, the SAIMM

- ▶ participates in and represents South Africa on bodies such as the Mining, 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, United Kingdom, and the United States of America, and interacts with sister institutes in other countries to promote international exchange of scientific and technical information.

7.1 APCOM

F.A. Camisani-Calzolari, Chairman

The 33rd International Symposium on Applications of Computers and Operations Research (APCOM 2007) was held at the Sheraton Hotel and Convention Centre, Santiago, Chile during 24–27 April 2007. It was organized by the Department of Mining and Engineering of the University of Chile with the major sponsor being Gecamin LTD. Gemcom, Atlas Copco, BHP Billiton and AUSIMM were among the other sponsors.

The Chairman of the Organising Committee was Eduardo Magri, a well-known personality in the South African mining industry. It was the first time that APCOM was hosted by a South American country.

A total of 109 papers were published in the proceedings covering the following fields:

- ▶ Geological modelling, resource estimation and geostatistics
- ▶ Mine design and rock mechanics
- ▶ Mine planning and production scheduling
- ▶ Information systems and data management
- ▶ Process optimization and control
- ▶ Emerging technologies
- ▶ Investment planning, project evaluation and management
- ▶ Health, safety and environment.

The opening address was given by Don McKee, the chairman of APCOM, and the keynote address was delivered by Danie Krige. There were 283 participants of which 162 were from Chile and 31 from the USA. South Africa was represented by 7 delegates, all of whom read a paper. A total of 20 nations had delegates

The APCOM Council meeting was held on 26 April and was attended by the following Council members: Don McKee (Chair), Sukumar Bandopadhyay, Ferdi Camisani, Kadri Dagdelen, Sean Dessureault, Robert Hall, Vladislav Keckojevic, Danie Krige, Eduardo Magri, Axel Preusse and Andrej Subelj.

It was decided that the next APCOM will be held in Vancouver in October 2009. Robert Hall, the chairman of the 2009 Vancouver APCOM, reported that sponsorship was looking positive.

The meeting participants decided to end the present rule that every third APCOM must be held in the USA. In future, Council will seek bids from interested locations well before each Council meeting with the award of future meeting to be made on the basis of the bids received and any other factor the Council

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decides is important.

Bids had been received from the University of Wollongong (Australia) and the University of Alaska to host the 2011 APCOM. The Council decided to award APCOM 2011 to the University of Wollongong.

As Don McKee completed his term at the end of APCOM 2007, the Council elected Sukumar Bandopadhyay as the new Chairman and Sean Dessureault as Vice-Chairman.

7.2 INFACON

N.A. Barcza, National representative

The INFACON Congress was founded in South Africa in 1974 by the SAIMM, Mintek and the Ferroalloys Producers Association (FAPA) when the first INFACON was held in Johannesburg. INFACON has been held three times in South Africa, the most recent being INFACON X in Cape Town in 2004. The primary objective of The International Committee on Ferro Alloys (ICFA) that was formed during the first INFACON is to promote the holding of the INFACON Ferroalloy Congress every three years in appropriate locations. ICFA arranges the meeting of representatives from producing and consuming countries during each INFACON to discuss and decide on the country that will host the subsequent INFACON Congress. Prospective host countries are invited to make submissions to ICFA accordingly. The current members of ICFA are: ABRAFE (Brazil), CSM (Chinese Society for Metals—China), IFPEO (Europe including Scandinavia), IFAPA (India), JFA (Japan), TFA (North America), FAPA (South Africa), and invited attendees include Russia and Kazakhstan. It is hoped that one of these countries will host INFACON in the next few years.

INFACON has been held on 11 occasions in the following countries and locations:

- Brazil (1) in 1986 in Rio de Janeiro by AFRAFE
- Canada (1) in 2001 in Québec City by the TFA
- China (1) in 1998 in Beijing by the CSM
- India (1) in 2007 in New Delhi (IFAPA)
- Japan (1) in 1983 Tokyo by the JFA
- Norway (1) in 1995 in Trondheim by SINTEF
- South Africa (3) in 1974, 1992 and 2004 in Johannesburg, Cape Town (2) by FAPA, Mintek and the SAIMM
- Switzerland (1) in 1980 in Lausanne by IFPEO
- USA (1) New Orleans 1989 by the TFA.

INFACON has and continues to contribute to the exchange of research and development information by publishing refereed papers covering the major and most of the minor ferroalloys. Universities and technical colleges, research and development organizations, suppliers of services, engineering and equipment and of course the industry itself have mostly contributed to this wealth of knowledge over the 32 years since INFACON was founded.

The most recent INFACON was held in New Delhi, India in February 2007 and was attended by 551 delegates from 36 countries. The Indian Ferro Alloy Producers Association's (IFAPA's) theme for INFACON XI of 'Innovations in Ferroalloy Industry' was chosen to reflect the increasing challenges faced by the industry globally. INFACON XI was a very successful from both a technical and a social perspective. The excellent collection of 86 technical papers contained in the proceedings and presented during the INFACON XI programme address

most of the topics of interest to the ferroalloy industry.

Following the success of INFACON XI and the participation by a large number of delegates from South Africa, IFAPA has decided to arrange for a number of representatives from India's ferroalloy industry to visit South Africa in April 2008. The SAIMM was invited to make all the arrangements for this visit that covers many of the local ferroalloy plants and chrome and manganese ore mines.

The announcement of the host country for the next INFACON, namely Finland was made by the ICFA at the closing address of INFACON XI in New Delhi. Jorma Daavittila of Outotec is the chairman of INFACON XII that is to be held in June 2010. South Africa delegates are sure to support INFACON XII based on the close relationship with Finland over many years.

INFACON XII in Helsinki will focus on sustainability within the ferroalloys industry with the chosen theme being 'Sustainable future'. The ferroalloys industry has experienced fast developments and growth in recent years. The rapidly growing demand of ferroalloys, increasing costs and awareness of the need for sustainability are calling for new innovations. Sustainable production with better management of natural resources and energy, material lifecycle management as well as other environmental challenges and opportunities should inspire authors and experts of this field to new ideas, innovations and views to be shared in Helsinki.

Discussions were held between the chairman of ICFA and the Chairman of the Organising Committee of INFACON XII in May 2007 at which the planning of INFACON XII was discussed. The Organising Committee informed ICFA that it plans to bring together experts from various fields of ferroalloys. It plans in particular to involve representatives from countries that have historically not had a large presence at previous INFACONS such as Russia and Kazakhstan. The technical programme for INFACON XII will include important topics such as fundamentals, technological developments and industrial practices related to the design and construction of new production facilities and for improving of existing plants as well as for better operational performance and process control.

INFACON XII plans to continue the successful tradition of previous INFACON Congresses. The Organising Committee, Program Committee and all parties involved in organizing INFACON XII are committed to ensure that the Congress will be not only scientifically rewarding but also socially enjoyable.

INFACON XII has already established an excellent website with all the relevant information and in particular the important schedule of deadlines. Authors are encouraged to visit the INFACON XII website to familiarize themselves with the schedule and plan their submissions accordingly. NB The first call for papers is 1 September 2008 and deadline for abstract submissions is 31 March 2009. The theme 'Sustainable Future' should generate good interactive discussion on new developments and ways for the ferroalloy industry to meet the future challenges.

Invitation to attend INFACON XII, 2010

THEME 'Sustainable Future'.

6–9 June 2010, Helsinki, Finland, <http://www.infacon12.com> <<http://www.infacon12.com/>>, Congress Secretariat: INFACON XII, c/o Outotec Oyj, P.O. Box 86, F1-02201 Espoo, Finland, Tel. +358 20 529 211, e-mail: infacon12@outotec.com

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<mailto:infacon12@outotec.com>

Registration, accommodation and general arrangements:
Congreszon Oy, Itälähdenkatu 22A, FI-00210 Helsinki,
Tel. +358 9 5840 9350, Fax. +358 9 5840 9555, e-mail:
infacon12@congreszon.fi <mailto:infacon12@congreszon.fi>.

7.3 SAMREC/SAMVAL

J.R. Dixon, Chairman

The revised SAMREC Code was published in July 2007 after a long period of all inclusive consultation. The new SAMVAL Code took a little longer to finalize and was ready for publication at the end of March 2008. Both Codes were officially launched at a well attended breakfast held on the 10th April 2008 in Sandton.

The attendance by about 230 delegates reflected the growing enthusiasm for excellence in reserve and resource reporting standards in South Africa. The improvement in standards since the publication of the first SAMREC Code is something that the industry can be justifiably proud of. South Africa now joins Canada and Australia in having both a valuation code and a resource and reserve code, however, the South African Codes are more integrated and have definitions common to both codes.

The launch of the codes also gave the opportunity to promote the SSC 'branding' initiative, which centres on the new SSC website www.samcode.co.za. The website also provides contact details for the SSC whereby comments and queries can be addressed.

Ferdi Camisani and Roger Dixon attended the inaugural meeting of the Committee for Mineral Reserves International Reporting Standards (CRIRSCO) held in London during October 2007. This was the first meeting held under the auspices of the International Council of Mining and Metals (ICMM). The same members also represented CRIRSCO at the UNECE in Geneva during April 2008 where the mapping of the CRIRSCO template and the Petroleum Resources Management System (PRMS) to the United Nations Framework Classification for Fossil Energy and Mineral Resources (UNFC) was discussed in detail by the UNECE member countries and members of the petroleum industry.

The SSC through CRIRSCO is maintaining a watching brief on the research being undertaken by the International Accounting Standards Board (IASB), which has the aim of placing a value on mineral reserves and resources and having mineral companies report this value in their financial statements.

The Investment Analysts award adjudicated by the SSC for excellence in Mineral Reserve and Resource Reporting was won this year by Impala Platinum.

My thanks to Matt Mullins and Ferdi Camisani for their continued support and the vast amount of time that they give voluntarily to the activities of the SSC.

8. Management and administration

Portfolio Holder: R.G.B. Pickering

The Secretariat consists of:

Ms Carina Reynders (Manager)*

Mr Alf Bettoni (Accountant)

Ms Julie Dixon (Manager)

Mrs Zuliakha Malgas (DTP Operator)

Ms Nazli Mamdoo (Conference Secretary)

Miss Elna Meintjies (Conference Co-ordinator)

Miss Lucinda Niekerk (Switchboard/Receptionist)

Mrs Ginette Oliver (Membership and Subscriptions Administrator)

Mrs Anna Panana (Conference Secretary)

Miss Abigail Lawrence (Journal Co-ordinator)

Mrs Apathia Sello (Administration Clerk)

Mrs Dawn van der Walt (DTP Supervisor)

* Resigned

The SAIMM, Office Bearers and Council record their appreciation to the above for their service.

8.1 Finance

J.A. Cruise, Honorary Treasurer

After a good run of the biblical 'seven fat years' that I reported on last year, it was expected that this should be a 'lean' year, and indeed as the year progressed without a major money-spinning international conference, your Council expected it to be just so. It was a close affair. We just managed to cover our operating expenses with our operating income, which is what we aim to do each year when we set the budgets. Our surplus for the year came mainly from our income from investments. Thus, I am pleased to report to you that the run of seven fat years is now extended to eight fat years with a surplus for the year of just over R1.5 million. Our reserves now stand at R17 219 573, up from R15 692 755.

If we look at the income statement summary of the annual financial statements, we see that the surplus for the year was R1 568 699 (previous year R4 165 928), of which R91 944 (R1 332 859) was operating surplus and R1 478 914 (R2 836 945) was income from investments.

The detailed income statement shows that subscriptions for Company Affiliates increased to R691 782 (R437 981) and that for individual membership increased to R1 497 184 (R1 169 698). As this is an increase above the annual subscription rate increase, it indicates an increase in membership numbers.

During the year we had a change in bookkeepers and an accounting crisis. It was subsequently found that income and expenses for conferences, inter alia, had been misallocated. However, I am pleased to report that no funds have been found to have been misappropriated. Thus, the comparison with some items to the previous year is not made on the same basis, e.g. we have consolidated the employee costs into a single line item this year when there was no such item last year. Hence, income from conferences and colloquia will show an inflated value when compared to last year as this year the employee costs were not allocated to conferences and colloquia. The same applies to Institute *Journal* expenses, which this year does not include employee costs. The good news is that the bottom line of the detailed income statement is correct and comparable to the previous year.

In spite of trying times, which now appear to be something of the past, I would like to thank all those unseen heroes who have made this year a financial success. The technical programme committees are to be commended for trying new techniques and innovations to attract delegates to our conferences. I applaud the Secretariat, who pull together as one team to surmount the problems as they arise. To Alf Bettoni, who took over the accounting function mid-year, you can come

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back in off the window ledge. To our auditor R. H. Kitching, who dropped all other work to produce these financial statements in record time despite the onerous new auditing regulations, thank you. Finally, to Dawn van der Walt and Zuliakho Malgas who have again got the documents to the printers on time, thank you for a job well done

Financially your Institute is in good health. Long may it last.

New Members

Fellows

G.P. Conway, M.D. Davis, R.M. Hlatshwayo, R.M. Holman, G.J. Jameson, K. Marshall, J.R. Menasce, J.R. Nel, R. Schindler, N. Senior.

Members

A.S. Afolabi, P. Bamhare, V.K. Bansi, M. Bester, C. Blaauw, J. Booyse, R.P. Borley, L.I. Boshoff, S.M. Bradshaw, P. Bundo, B. Busani, D. Chetty, C. Chibwana, B. Chitambira, J.S. Coetzee, M.A.J. Cross, E.A. Cupido, F.A.V. De Gouveia, F. de Wit, V. Dieudonne, R.G. Dimitrakopoulos, U. Drews, A.C.C. du Preez, C.B. Faure, A. Feather, D.T. Foley, R.P. Gawthorpe, Z.O. Goremusandu, P.A. Greyling, N. Gwatimba, M. Hangoma, S.A.C. Hockaday, J. Hollywood, R.M. Hull, D.F. Jensen, B.M. Kalumba, S.C. Kirkpatrick, M.H. Kotze, W.T. Kutekwatekwa, G.K. Liller, P.J. Looock, S.R. Machaea, Z.L. Madikane, J.I. Mainama, O. Mandingaisa, C.H. Marais, M. Masananga, I. Mashiri, H. Masiwa, A.D. Mason-Apps, O. Mathe, R. Matshiya, R.L. McMillan, P. Mercille, C.D. Miles, S.J. Moema, M.E. Mogadime, Z.A. Moni, G.W.G. Montgomery, M.D. Monyepao, B.N.J. Morrison, P. Mpofo, A. Mudau, B.S. Mulenga, J. Mutsengi, N. Mwale, W.Z. Nemasasi, N.S. Ngidi, W. Nkhata, A.M. Nyemba, R. Paredes, T.H.C. Pegram, B.P.S. Pelli, J. Petersen, N.D. Plint, T.E. Pogue, G.J. Ralph, D. Reddy, M. Ridgway, S.W. Robertson, R. Roux, S.V. Rungan, D.J. Rushton, K.H.A. Schultz, S.N. Schwarz, Z. Setete, N.A. Sikwa, A. Singh, L. Smit, S.N. Smithies, E. Steinfatt, M. Steinmann, C. Strydom, E. Takolia, P.A.M. Teirlinck, M.J. van der Merwe, C.D. van der Westhuizen, J. van Deventer, L.E. van Wyk, C. van Zyl, D.M.L. Viljoen, T. Ziki, H. Zimba, J. Zimba.

Associates

R.D. Addinall, L. Andrews, M. Antoniadis, N.L. Baartjes, T.R. Bachmann, O.S. Bada, T.E. Balintulo, G.L. Banza, J.A. Beukes, B. Bezuidenhout, A. Bosch, R. Botha, C.J. Brill, D.M. Bukunkwe, P. Chibwe, J.E. Danoczi, C.S.G. Davies, De C. de Saldanha, J.J. Deysel, L. du Plessis, W.R.J. Erasmus, D. Evans, S.E. Gabriel, A. Grobbelaar, C. Hanna, R.P. Hattingh, K. Havenga, T.S. Hendricks, B.L. Hollins, E.S. Irvia, H. Jeram, R.T.S. Joseph, A. Kharuxas, U. König, L.M. Kotta, L.M. Kunda, D.T. Lahee, A.J. Lathwood, A.D.S.T. Manhica, O.W. Masilo, R. Mateveke, D.D. Maver, S.V. Mazibuko, E. Mbuya, N.K. Meyer, R. Minango, G.K. Mkhabela, B. Mmatli, K.R. Mosimane, M.M. Mudimeli, N.A. Murimirwa, J. Mwale, S.M. Nareetsile, T. Nethanani, G.A. Norton, W.T. Nyambi, G. Petzold, T. Punzul, R.R. Ross, C. Sakala, A.J.D. Schoonbee, N.S. Shekawat, D.L.S. Sibiya, T. Siebert, B.L. Sikaneta, K.N. Singh, J.D. Singleton, E. Sithole, C.J.H. Steenkamp, D.C. Steyn, A.C. Swarts, M. Tacke, C. Tembe, M.H. van Aswegen, M. van Rooyen, S. Wallis, J.P. Wyethe.

Students

M. Akpomudhere, S. Allie, B. Balintulo, G.J. Banda, M.E. Bapela, F. Bezuidenhout, D.M.L. Buller, P. Chabalala, J. Chinyadza, H. Chisango, F. Chowdhury, M.R. Chowdhury, F. de Vos, F. Dlangalala, N. Dlangamandla, S. Dlungwana, T. Dolamo, Q. Fakir, M.E. Hlatshwayo, T. Kedige, M.B. Kekana, B.T. Kelepa, F. Khomolo, L.E. Kula, T. Leach, M.E. Lekota, L. Leray, S.P. Leshigo, A. Letsholo, C.X. Mabaso, T.E. Maboko, N.S. Mabunda, M.L. Macheru, S. Madondo, T.P. Mafereka, C.M. Magopane, P.J. Maisha, K.A. Makoe, M.D. Makofane, M. Malahlela, P. Malakano, M. Maotoe, K. Marata, S.C. Marebane, M.R. Mariri, V. Maronga, T.A. Martins, K.R. Maruping, M.P. Masemola, T. Matbane, N.N. Mathenjwa, R.N. Matibidi, M.E. Matoane, N. Matsila, H.L. Mmola, S.P. Mnisi, P. Mogodi, M.A. Mohapi, M.L. Mohatli, L. Moireleng, M.M. Mokgojwa, T. Mokhele, K. Mokoena, E. Moodley, M.D. Moropeng, O.D. Moseitlhe, T.M. Mothupi, I.M. Motubatse, K.M. Mphahlele, N.M. Mphahlele, M.O. Mukhari, R.L. Mulaudzi, E. Mzizi, B.V. Ndebele, T.S. Nduo, R. Nedone, N.L. Ngubeni, A.S. Nhleko, N.A. Nkosi, E.N. Nkwamba, E.T. Nyakwenga, M.S. Nyarela, D.N. Nyungu, P.T. Pabwe, N.A. Phala, M.N. Phasha, T.-M. Pistorius, T. Pitse, N.T. Qwatekaro, M.S. Rasetlola, M. Ravhura, L. Refilwe, A. Salim, T.-M. Samuel, K.E. Segoe, A.L. Shabalala, K.R. Shadung, E. Shikongo, T.T. Shivambu, W. Sibeko, Z. Sigidi, R.M. Sigudu, T. Singh, A.J. Smit, M.C.M. Tombia, M. Tshivhandekano, V. Xaba, F. Zakwe, Y. Zhou, Z.M. Ziswana, J.S. Zulu, O.L.J. Zinguzinguzi.

Company Affiliates

GRD Minproc (Pty) Ltd, Ukwazi Mining Solutions (Pty) Ltd.

Resignations

Fellows

A.W. Davies.

Retired Fellows

P.D. Dickson, B.D.H. Phillips, D.J. Tutt.

Members

G.B. Guldenpfennig, W.K. Osa, G.J. van Tonder, C.J. Viljoen, A. Webster.

Retired Members

L.J. Bloch von Blottnitz, W.A. Gericke, C.T. Potgieter.

Associates

D. Badenhorst, W.G. Bartholomew, W.L. Blair, A.N. Cave, J.C.C. Geyer, S.L. Gutter, G.W. Holl, E.T. Knight, H. Moller, J.G. Moys, P.R.F. Oliver, J.S. du Preez, Potgieter, M. Ram Reddi, D.C. Ritchie, J. Schmitt, S.J. Sekhukhune, K.L. Seyfried, M.S. Shang, A.C. Squassabia, T.P.C. Young.

Company Affiliates

Dunlop Industrial Products, Iliso Consulting, Rucpac, SNC Lavalin South Africa (Pty) Ltd, Vac Air Technology.

Annual report

Members transferred to Higher Grade

Transfer from Member to Fellow

C.P. Donlon, M.H. Fox, T. Spandiel, V.-M. Fitzmaurice, R. McGregor, N.M. Vegter, A.R. Formanowicz, T. Gluck, D.S. Ngandu, A. Rompel, M. van Staden, J.A. Johnson, I.R. Saunders, C.W. Brown, L.R. Nelson, B.C. Rip, J.P. Wells.

Transfer from Associate to Fellow

A.J. Paterson, D.P.C. Heugh, M.J. Maccelari, E.H.W. Theron.

Transfer from Associate to Member

K.I. Afewu, E. de Villiers, T.O. Khoza, W.J. Coertzen, M.H. Cramer, J. Zimba, E.M. Sibanda, D.V. Kake, K.H. Schommarz, M.C. Munroe, R.T. Chama, J.R. de Wet, A.C. Joubert, T.M. Mathebula, E.L. Strydom, C.H.D. Mitchell.

Transfer from Student to Member

J. Scheepers, J.J. Lotheringen, M. Smith, N. Viljoen.

Automatic transfer to Associate

A. Fourie, T.D. Howard, H.P. Kapolo, J.A. Klingenberg, E.C. Luyke, P.C.G. Oosthuysen, D. Boshoff, N.D.R. Chabula, J.K. Gouws, M.D. Malesa, S.S. Mtambo, S.P. Ngcanga, C.W. Siyasiya, W. van der Walt, P.C. Botes, M.L. Daniels, N.S. Malapane, S.E. Mashoeng, L.M. Molise, S.S. Sithole, C.N. David, B.E. Mabunda, P. Masete, D.W. Manana, M.C. Matholeni, M. Mtabela, T.O. Shoba, X.W. Lwane, M.D. Moseki.

Members who retired

Fellows

G. Maude.

Members

A.E. Hall, M.H. Maddocks, J.C.A.D. Purdue, R.J.E. Stewart, A.M. Hattingh, A.J. van den Berg, A.W. Bryson, M.J. Hampshire.

Deceased

Honorary Life Fellow

N.F.B. Schmidt.

Fellows

W.D. Ortlepp, G.G. Stanley.

Retired Fellows

R.E. Barnes, B.R. Rohrmann.

Retired Associates

J.R. Forbes, H.F.W. Ketelbey.

Retired Members

R.C.M. van der Spuy.

Associates

K.V. Mannion.

Members who were reinstated

Reinstated as a Member

M.W. Hildyard, M. Mtonga, N. Naidoo, K. van der Merwe, J.R. de Wet, C. Kujawa, P.S. Mokgokong, H.J.S.deB. Pinheiro.

Reinstated as Associates

P.M. Bester, G.M. Hoffmann, J. Lucas, A.R. Maier, M.E. Nell, M.C. Nxumalo, M. Ram Reddi, O.V. Seboni, E.J. Smuts, D. Takalani.

Reinstated as a Fellow

E.H. Roos, R.C. Rossouw, J.A. Johnson. ◆