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Proceedings, 111th Annual General Meeting, 2008

The 111th Annual General Meeting of The South African Institute of Mining and Metallurgy was held at The Country Club, Johannesburg, Napier Road, Auckland Park on Wednesday, 13 August 2008.

Welcome

The President extended a special welcome to the guests and representatives of our sister institutes and other associations, and also to recipients of awards, senior members of industry, Honorary Life Fellows, past-presidents, our members and other guests, among them the following:

C. Bennett, Representative, Institute of Mine Surveyors of South Africa (IMSSA)
M. Diliza, CEO, Chamber of Mines of South Africa
J. du Plessis, President, Mine Ventilation Society of South Africa
T. Goba, Chief Executive Officer of ECSA
M. Hayton, Chairman, South African Coal Processing Society
M. van Aswegen, President-elect, The Geological Society of South Africa (GSSA)

Past-presidents attending

John Austin
Richard Beck
Roger Dixon
Hannes Hoffman
Henry James
Rams Ramokgopa
Robbie Robinson
Mike Rogers
Dick Stacey
Oskar Steffen
Willem van Niekerk

Minutes

The minutes of the previous Annual General Meeting, which were published in the September 2007 issue of the *Journal,* and sent to all members, were confirmed.

Obituaries

The President announced the death, during the year, of the following members:

Honorary Life Fellows and Past-Presidents

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 Member

R.C.M. van der Spuy

Associate

K.V. Mannion

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

Honorary Life Fellowship

Gys Landman: Honorary Life Fellowship is awarded by the Council to corporate members of the Institute who have rendered outstanding service to the industry or to the Institute. It is my pleasure to announce that the Council has decided to award Honorary Life Fellowship to:

- E.U.H. Sachse (Udo), for his outstanding service to the SAIMM over many years. This has been especially appreciated for his leadership of the Johannesburg Branch. This branch now hosts a regular monthly meeting and attendees include numerous students from the University of Johannesburg and the University of the Witwatersrand.

Brigadier Stokes Memorial Award

Gys Landman: The Brigadier Stokes Memorial Award was instituted in 1980 to commemorate the outstanding contribution to the South African mining industry made by Brigadier R.S.G. Stokes, an Honorary Life Fellow and past-president of this Institute. The award is made to an individual for the very highest achievement in the South African mining and metallurgical industry. It gives me great pleasure to announce that the award for 2008 is to be made to Prof. T. R. Stacey.

Gys Landman called upon Dr Oscar Steffen, to read the citation:

It is my great pleasure and honour to present this citation of Thomas Richard Stacey, known by most of his colleagues as Dick Stacey, Centennial Professor of Rock Engineering at the School of Mining Engineering of the University of the Witwatersrand.

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Dick was born in Durban in 1943. He proudly recalls that two great-grandfathers were mine managers in gold mines in Bendigo and Coolgardie, Australia, and that his grandfather had the wisdom to emmigrate to South Africa.

Dick did some of his primary schooling at Dale College (for the benefit of Dalians present here tonight) and his secondary schooling at Umtali high school in Zimbabwe (then Rhodesia).

Dick qualified with his BSc *(Cum Laude)* and MSc in Mechanical Engineering from Durban University and continued his passion for research with the CSIR with Denkhaus and Bieniawski, culminating with a DSc Eng from University of Pretoria in rock mechanics.

After seven years at CSIR, Dick and Judy sold their home to experience the European professional environment where Prof. John Knill invited him as an academic visitor in the RSM Eng Geology Department. Professor Stacey considers this period to be one of the highlights from his career and family perspectives.

When he returned to South Africa after 18 months, he spent a year with D L Webb and Associates. He was keen to return overseas and it was while he was there for an interview that Hendrik Kirsten called him to interest him in joining SRK. When he returned, Hendrik made a second phone call to Dick, which resulted in an interview and his decision to join SRK. Dick, in accepting that challenge, for SRK was no institutional organization that he had been accustomed to, changed the future of the Stacey family and that of SRK.

While Dick was now engaged in consulting on a commercial basis, he never departed from his passion for research in every project he was involved with. He was a stimulus to all his co-workers in the office and never declined a technical discussion with a colleague, no matter how busy he was with the 'report writing' bit of consulting. It is my contention that Prof. Stacey did more technical and applied research while in consulting than he has during any other time of his career, although there are no research reports to substantiate this statement. He contributed massively to the reputation of SRK as technical expert during his 25 years with the company. He also served as Chairman of the South African Company and on the board of the international holding company, SRK Global, positions he held until he joined Wits University in his present professorial capacity.

His passion for his subject is best illustrated in his 2003 Presidential address to this Institute: 'Rock Engineering: good design or good judgement?' He speaks openly about the shortcomings in the practice of rock engineering, and in his Presidential address, provided a sound basis from which to develop best practice procedures. I would again urge all miners to read this address and take up the challenge to make the difference in our industry.

Through his countless publications, in excess of 180, and as Vice President for Africa on the ISRM from 1991 to 1995, he is highly regarded by the international fraternity in rock mechanics and has become an international personality, in demand at conferences worldwide. He has served as Chairman on the SA National Council on Tunnelling and acted as external examiner on doctoral theses at all the major SA universities, and the universities of New South Wales, Nanyang, Western Australia and Queensland, and obtained a B(1) rating from the NRF in 2007.

Professor Stacey has been a most prolific organizer of international and local conferences on behalf of the SAIMM. Success of these conferences depend upon a vision, energizing other members of Council and extracting papers from keen but busy authors from within the considerable international contact list that is available to him. This all takes a lot of time, but has brought South African Mining into the international spotlight again for the right reasons, not for those mostly highlighted in the popular press. These opportunities for young South African engineers are essential in the quest for attracting and retaining world-class mining and metallurgical engineers in our country.

Among all his career highlights, he rates his teaching at the university (but not the marking), his involvement in the Lesotho Highlands Water Scheme and his involvement at El Teniente underground cave mine in Chile as particularly satisfying. But his expertise and esteem in the industry has taken him to many interesting projects such as the work on the Palabora underground cave, large span road tunnels in Sydney, the headrace tunnel for the Sondu/Miriu hydroelectric scheme in Kenya, and a 6 km pressure tunnel for the Bakun hydroelectric scheme in the Phillipines.

Dick always seems to have a clear view of problems, followed by a clinical analysis towards the solution. This also applies to his professional career as is clear from his past. So it was again that he decided to make another change and accepted the post at Wits University. As he did in SRK, he immediately effected a change within the department in raising the image of the rock mechanics chair, thus attracting research students and making Wits a destination for global students in rock mechanics. This is evident in the fact that today the post-graduate students in rock mechanics total 17 masters and 5 doctoral candidates. The ultimate monument to one's professional career must surely be the success of empowering others in the skills you have developed from many years of learning and experience. I think that we would all agree that Dick has succeeded admirably in educating people in these technical skills.

In this unusual time of our industry and country, when the world is suffering a shortage of technical skills so important to our industry, it is most appropriate that the Council of the SAIMM elected Professor Dick Stacey to receive the top honour of the Institute, the Brigadier Stokes Memorial award.

Dick Stacey: Mr President, Ladies and Gentlemen, I am very honoured to receive this award, and was very surprised when I was initially told of it, since my achievements, I think, have been due to others. Therefore I need to pass the credit to them, and single out a few people. Firstly, to my wife Judy, who has put up with me and my engineering ways—engineers can be difficult: they are often single minded, have hobby horses, and often don't hear when people talk to them because they are thinking of something else. She has put up with these annoying traits, and straightened me out when necessary, for which I am very grateful. I also thank my children, who are here today.

I have never made a career decision in my life. I knew I wanted to be and engineer, and became a mechanical engineer by default, after eliminating chemical and civil along the way.

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Since then I have hardly had anything to do with mechanical engineering in my career. I joined the CSIR straight from university and, after a year at the National Mechanical Engineering Research Institute, I was called into the director's office—he was Dr Gunter Denkhaus, who some of you will remember, and who was a man not known for his tact! There was a vacancy in the Rock Mechanics Division at the time and he said to me in Teutonic form, 'You would like to move to Rock Mechanics, wouldn't you?' I thank him for that because it was a very good move. My boss in the Rock Mechanics Division was Dick Bieniawski, and he was a very good and supportive one. At the time I was making quite heavy weather of writing up my masters, and he told me that it was time it was done and that it should be completed through the CSIR system. That certainly speeded things up. After I had been with him for a year, he called me in and told me that it was time I registered for a doctorate, that he would be my supervisor, that he had spoken to the professor, and that he had made an appointment for me to see him at the University that afternoon. So I thank him for six very happy and supportive years and for sorting out my studies. From that period I mention Uli Vogler and Philip Pells, for whose technical skills I have great respect, and with both of whom I have had ongoing involvement.

At that stage of my career, my wife proposed that we should go and experience living in another country, so we sold our house, and, on the proceeds, went to live in the UK for 18 months. Working did not provide enough holiday time, so I decided to study further. Thanks to the late Sir John Knill I was able to spend the best year of study of my life at the Royal School of Mines, Imperial College; and at no cost! It was also where I met up with Peter Terbrugge, who was a real student on the same course.

Shortly after returning to South Africa I was approached to join SRK Consulting and that was the start of 25 very stimulating years. It was a wonderful environment and I thank all my colleagues who made it so. It was such a benefit to be able to go to Peter Terbrugge in the office next door, or Oskar Steffen down the passage, or Chris Page, Hendrik Kirsten, Brian Wrench, Gary Jones and many others, to ask an opinion or bounce an idea off them. I must also mention two colleagues with whom I interacted substantially and learned a lot, and they are Dennis Laubscher and the late Dave Ortlepp. Besides these peers, I was also lucky enough to have many 'juniors' (at the time) working for me over the years. I need to mention some of them because these were people who could do what I asked of them, better than I could myself—Tony Diering, Neal Rigby, Allan Haines, Ian Cameron-Clarke, Essie Esterhuizen and, more recently, Awie Swart, Johan Wesseloo, William Joughin and Gerhard Keyter. What a boon it is to have such colleagues on which one can depend.

My move to Wits University was not planned, but just seemed like a good idea, and it has been rewarding. One enthusiastic student makes up for many less interested ones. I sincerely thank Huw Phillips, my Head of School, for facilitating the environment and shielding me from the 'pain' of university bureaucracy and administration. I must express my appreciation to the Centennial Trust that supports my Chair at the University, and particularly to Dave Rankin, Chairman until 2007, and the current Chairman John Cruise. The Trust has facilitated research activity with postgraduate students enormously.

Finally I would like to thank both the SAIMM, which has given me many years of rewarding mining industry involvement and camaraderie, and the hard-working SAIMM staff with whom I have worked over the years.

Mr President, I have been very fortunate to have had excellent and supportive people around me throughout my life and my career. My achievements have really resulted from their contributions, and they must share in this award. I accept it with great pride.

Presentation of awards, medals and certificates

Gys Landman announced the following awards, medals and certificates, which were presented by Rod Pickering.

50-year Membership Awards

(with effect from 1 July 1957 to 30 June 1958)

- K. Babich, elected 13 June 1958
- J.J. Blom, elected 11 October 1957
- R. Campbell, elected 10 January 1957
- A.M. Edwards, elected 11 October 1957
- R.C. More O'Ferrall, elected 11 October 1957
- N.C. Officer, elected 13 June 1958

Presentation of the Alec Wilson Memorial Award

Tony Boniface: This gets awarded for the best tunnelling paper by a South African worldwide or presented in South Africa. The award of R1 000.00 is sponsored by GOBA (Pty) Ltd.

The **2007 prize** goes to A. Hindmarch, A. Griffiths, A. Officer, and G. Wittneben and K. Moxham 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.

Transaction papers published in the *Journal* from March 2007 to February 2008 by members of the Institute were considered and then the following medals were awarded:

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

Gold Medals

D.F. Malan, J.A.L. Napier, and A.L. Janse van Rensburg for their 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 received a certificate of merit.

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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

R.C.A. Minnitt for his 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 paper published in the November 2007 issue of the *Journal* entitled:

'The computational analysis of shallow depth tabular mining problems'.

Presentation of Student Prizes

Gys Landman announced the student winners of the SAIMM Prestige Prize and *Rod Pickering* presented the awards to the students adjudged by their departments to be the best final-year students in 2007:

University of the Witwatersrand

Mining	M. Mathenjwa
Metallurgy	N. Thanjekwayo and L. Mufamadi (joint paper)

University of Pretoria

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

University of Johannesburg

Mining	R. Thothela

The following SAIMM student prizes were presented at the Western Cape Branch AGM on 7 August 2008.

University of Cape Town

Chemical Engineering	M. Salie

University of Stellenbosch

Process Engineering	L. Auret

Cape Peninsula University of Technology

Chemical Engineering	S. Nkala

Annual Report and Accounts

Rod Pickering presented the financial statements in the absence of *John Cruise*.

After a good run of the biblical 'seven fat years' as was reported 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 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.

Office bearers and Members of Council for 2007/2008

Rod Pickering announced the office bearers for the ensuing year, elected by the retiring Council in accordance with Clauses 3.2 and 3.3 of the Constitution:

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President	A.M. Garbers-Craig
President-elect	J. Ngoma
Senior vice-president	G.V.R. Landman
Junior vice-president	J.N. van der Merwe
Immediate past-president	R.G.B. Pickering
Honorary treasurer	J.A. Cruise.

In terms of the election of ordinary members of Council (bylaw 3.2.7), there is a letter from the scrutineers stating: 'We have to report that we inspected the nomination papers for members of Council for the 2007/2008 session, and have found that the ballot papers sent out to Corporate Members of the Institute were in order. As a result of our scrutiny, we find that the following members have been elected (in alphabetical order):

M. Dworzanowski	M.J. Mothomogolo
A. du Plessis	J.L. Porter
J. du Plessis	M.K.C. Roberts
P.H. Ferreira	G.L. Smith
M.F. Handley	P.J. van der Plas
R.T. Jones	J. van Huyssteen
A.S. Macfarlane	D.J. van Niekerk

In addition, A.F. Mulaba-Bafubiandi and P.J. Knottenbelt have agreed to represent non-corporate members on Council. Four additional members will be co-opted to serve on Council.

In terms of Clause 3.2.8 of the Constitution, the chairmen of the branches are as follows:

Botswana	J. Arthur
Bushveld	C.A.F. Sweet
DRC	E. Lwamba
Free State	Vacant
Johannesburg	M. Woodhall
Mpumalanga	Vacant
Namibia	Vacant
Pretoria	T. Mahlangu
Western Cape	D. Deglon
Zambia	S. Mulenga
Zululand	I.J. Walton
Zimbabwe	V. Smit

These chairmen will serve on Council.

The following past-presidents have signified their willingness to serve on Council for the ensuing year:

H.E. James	M.H. Rogers
R.D. Beck	S.J. Ramokgopa
J.A. Cruise	T.R. Stacey
D.A.J. Ross-Watt	F.M.G. Egerton
N.A. Barcza	W.H. van Niekerk
R.P. Mohring	R.P.H. Willis
	J.R. Dixon

Rod Pickering thanked those past-presidents, who indicated that they cannot serve on Council for the next year, for all their time, effort and dedication in the past.

He also thanked past-presidents for their continued support. He congratulated all those elected, and thanked those who agreed to serve another term of office.

Election of auditors and honorary legal advisers for 2008/2009

Pat Willis proposed and it was agreed, that R.H. Kitching be reappointed as auditor for the coming year and that Van Hulsteyn, Attorneys, be reappointed as honorary legal advisers.

Induction of President

Rod Pickering introduced the new President, Andrie Garbers-Craig and called upon *J. Ngoma* to read her curriculum vitae.

Andrie Mariana Garbers-Craig was born in Polokwane, grew up in Johannesburg, and matriculated at Hoërskool Randburg. She completed BSc, BSc (Hons) (Chemistry) and MSc (Chemistry) degrees at the University of Pretoria, after which she joined the Mineral and Process Chemistry Division of Mintek in 1987. In that year she was given the opportunity by Mintek to further her qualifications at MIT, where she completed an SM (Metallurgy) in 1989 in the Department of Materials Science and Engineering with Prof. J.F. Elliott.

On her return to Mintek in 1989 she became a member of the Metallurgical Thermochemistry Group of the Mineralogy and Process Chemistry Division, where she was involved in fundamental and applied research in the field of pyrometallurgy. Her work included the study and characterization of slag-metal-gas-refractory and slag-matte interactions, the development of processes for the recovery of valuable materials from discard slags and the treatment of discard products in order to meet EPA standards. During the period 1992–1995 she completed her PhD (Metallurgy) at the University of Pretoria on a part-time basis.

In 1995 she joined ITEC R&D (Iscor Ltd), first as a member of the Refractories Group, and then as a member of the Steelmaking Group. There she was mainly involved in the study of slag-refractory-metal interactions and slag systems, whereby iron and steelmaking processes could be improved, refractory wear be limited and possible uses for discard products be identified. In 1999 she joined the Department of Materials Science and Metallurgical Engineering at the University of Pretoria, where she teaches thermodynamics to undergraduate students, and refractory materials at both undergraduate and postgraduate level. Her current research interests include studies of the relationship between the phase chemistry of iron sinters and their chemical and physical properties; Cr(VI) formation in the pyrometallurgical industry, as well as the stabilization of the Cr(VI) in waste materials produced in this industry; and various topics related to refractory materials.

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Andrie became a member of the SAIMM in 1991, has been involved in the activities of the TPC Metallurgy since 1998, and has served on Council since 2000. She also holds memberships of the AIST and American Ceramic Society.

Andrie and Ian Craig were married in 1987, and they are the proud parents of daughters Jana (6) and Jeanne (3). As a parent of young children Andrie's leisure time is mostly taken up by family activities. This includes playing ball and tennis, swimming, doing art and reading to the children. She also loves taking photographs of the family, going to the gymnasium and fitting in a game of squash with Ian.

Presidential Address

Andrie Garbers-Craig then presented her presidential address entitled: 'How cool are refractory materials?', which is reproduced elsewhere in this edition of the *Journal.*

Vote of thanks

Prof. Roelf Sandenbergh, gave the vote of thanks.

It is indeed a priviledge to do this vote of thanks for Andrie, our first woman president of the SAIMM following more than a hundred years after W. Bettel, served as our first president in 1894. She indeed follows many distinguished leaders in mining and metallurgy in South Africa who also appreciated the importance of a leading and effective professional learned society to sustain our industrial and academic endeavours in mining and metallurgy. I am especially proud that she hails from the University of Pretoria, and that her induction coincides with our centenary celebrations. She follows in the footsteps of professors J. de V. Lamprechts and Alf Brown, who also served as presidents of our institute in 1962/3 and 82/3, respectively. They were both mining engineers and Prof. Garbers-Craig is then also the first staff member from the Department of Metallurgical Engineering to become president of our society.

As president of our Institute she is taking on the responsibility to guide us to ensure that we are able to meet the technological and scientific needs of the minerals and metals section of the South African economy. One of the challenges that I trust that she will address is the shortage of high-level human resources needed to sustain and build our minerals and mining industries. She is indeed well placed as an academic and woman to serve as a role model to encourage more woman to be educated and to follow careers in mining and metallurgy. I am sure that she will be supported in this by Prof. Madeleine du Toit, who has recently been appointed as Head of the Department of Metallurgical Engineering at the University of Pretoria.

In her presidential address Prof. Garbers-Craig enlightened us on the essential and enabling role that refractory materials play in pyrometallurgical processes. We have indeed progressed significantly from the time when the pyrometallurgist had to rely on naturally occurring solids to contain hot metals. The development of refractory materials, installation techniques and operational practices have indeed done much not only to increase process efficiencies, but to also reduce the environmental impact of process residues. She also reminded us that there is no substitute for a sound understanding of the fundamentals to guide the development of new materials and processes and that there is indeed beauty to be found in microstructures. The untimely and costly failures of pyrometallurgical process vessels that unfortunately still occur, serve as a reminder of our quest to better understand and predict the behaviour of the refractory barrier that keeps us cool while operating metallurgical processes at very high temperatures.

In closing, I would like to thank Prof. Garbers-Craig for a most informative and interesting Presidential Address. I would also like to offer my support and I trust also yours, for her leadership in these very interesting and challenging times that we live in. I am confident that she will 'rise to the occasion' as our credo expects of us, and to show the necessary refractoriness when the moment calls for it.

Closure

The meeting closed at 18:00. ◆

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Gys Landman, Master of Ceremonies

Udo Sachse accepting his Honorary Life Fellowship Award from Rod Pickering

Oskar Steffen reading the citation of T.R. Stacey, recipient of the Brigadier Stokes Award

T.R. Stacey, recipient of the Brigadier Stokes Award, receiving his Platinum Medal from Rod Pickering

K. Babich receiving his 50-year Membership lapel badge from Rod Pickering

A. Griffiths receiving the Alec Wilson Memorial Award from Tony Boniface for 2007

D.F. Malan, receiving his Gold Medal Award, he also received a Silver Medal Award

J.A.L. Napier, receiving his Gold Medal Award, he also received a Silver Medal Award

A.L. Janse van Rensburg receiving his Certificate of Merit

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R.C.A. Minnitt, receiving his Silver Medal Award

M. Mathenjwa, receiving his Student Prize

N. Thanjekwayo, receiving her Student Prize

P. Kluge, receiving his Student Prize, he also received the Student Dissertation Prize

R. Thothela, receiving her Student Prize

Andrie Garbers-Craig presenting Rod Pickering with his Presidential Plaque

Andrie Garbers-Craig, delivering her Presidential Address

Roelf Sandenbergh offering the vote of thanks

Office Bearers for 2008/2009—Front row *(from left to right)*: Julie Dixon (Manager), Joshua Ngoma, Andrie Garbers-Craig, and Rod Pickering; Back row *(from left to right)*: Gys Landman, and Nielen van der Merwe

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Past presidents of the SAIMM

Front row *(from left to right)*: John Austin (1984–1985), Hannes Hoffman (1992–1993), Robbie Robinson (1975–1976), Henry James (1985–1986), Rams Ramokgopa (2002–2003), Rick Mohring (1997–1998), and Oskar Steffen (1989–1990); Back row *(from left to right)*: Richard Beck (1991–1992), Mike Rogers (1999-2000), Roger Dixon (1998–1999), Dick Stacey (2003–2004), Willem van Niekerk (2005–2006), and Rod Pickering (2007–2008)

Council members and past-presidents of the SAIMM

Council members for 2007/2008 and past-presidents—Front row *(from left to right)*: Julie Dixon (Manager), Robbie Robinson, Gys Landman, Joshua Ngoma, Andrie Garbers-Craig, Rod Pickering, Nielen van der Merwe, and Willem van Niekerk; Middle row *(from left to right)*: Paul van der Plas, Jacob Mothomogolo, Richard Beck, Mike Rogers, Matthew Handley, Roger Dixon, and Henry James
Back row *(from left to right)*: Rodney Jones, Dirk van Niekerk, Rick Mohring, Jim Porter, and Rams Ramokgopa

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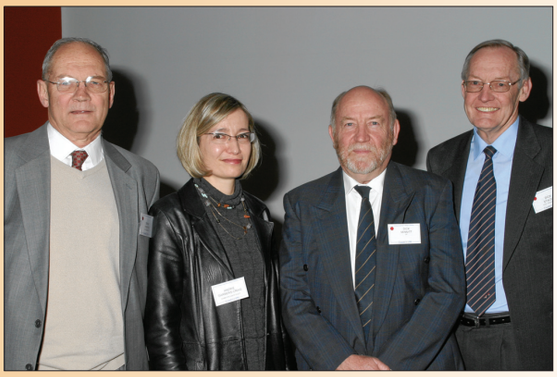
Members and their guests at the Cocktail Party

Alex du Plessis, Ken Owen, and Jim Porter

Kathy Sole, Andrie Garbers-Craig, Marthie Kotze, and Rene du Preez



Oskar Steffen, Andrie Garbers-Craig, Dick Minnitt, and Dick Stacey

Clem and Kathy Sweet, Paul van der Plas, Richard Beck, and John Taylor

Staff and students from the University of Pretoria