

# SAIMM Branch Chairpersons



## Democratic Republic of Congo Branch

### Susa Maleba

Susa is a Mining Engineer, married with three children.

#### Education

BSc (Hons), Mining Engineering, with specialization in:

Mining Environment, Pretoria University, 2004

BSc Eng, Mining, University of Lubumbashi, 1999

Postgraduate Certificate, Advanced Taxation, University of South Africa, 2005

Intermediate Certificate, Mine Environmental Control/ Occupational Hygiene, Chamber of Mines of South Africa, University of South Africa, 2004

#### Registrations/Affiliations

MSAIMM 704782, MVSSA 60872

#### Specialization

Mining design, mine planning and scheduling, mining ventilation, and mining environmental control.

#### Expertise

Susa Maleba has been involved in the field of mining engineering for the past 15 years. His expertise includes:

- Underground mine design, layout, and scheduling (Mine 2-4D and EPS)
- Mine ventilation and refrigeration
- Open pit optimization (NPV-Scheduler)
- Feasibility studies on open pit and underground operations
- Open pit design (Mine 2-4D)
- Open pit production scheduling (NPV-Scheduler and EPS)
- Mine environmental control and occupational hygiene
- Projects management
- ESIA projects management and coordination.

#### Employment

Oct 2009–present: SRK Consulting (Pty) Ltd, Mining Engineer, DRC

Aug 2007–Aug 2009: A & B Global, Mining Consultants, Mining Consultant, South Africa

Jul 2003–Jul 2007: CSIR MININGTEK, Research Engineer, South Africa

Sep 2002–Jun 2003: SARS, Tax Consultant, South Africa

Sep 1997–Jul 2000: Gecamines – Sodimico, Engineer in training and Junior Engineer, DRC.

#### Languages

- English–read, write, speak • French–read, write, speak • Swahili–read, write, speak.

#### Publications

1. Maleba, S. Life of the mine plan for Xstrata. Kroondal Chrome, 2008.
2. Maleba, S. and Jager, T. 2005. Best practice guidelines for the mining and rehabilitation of granite mines in the Brits-Rustenburg areas of SA.
3. Els, R. and Maleba, S. Investigation into nanotechnology for mining applications, CSIR Mining Technology STEP Project. 2005.
4. Maleba, S. Critical review of mining taxation in the African mining countries. UNISA, September 2004.
5. McGill, J.E., Maleba, S., Moseme, R., and Peake, A.V. Mining Plan for Ndwedwe Ceramics (Pty) Ltd. 2004.
6. Maleba, S. and Moseme, R. Mining plan for Phuthadijithaba Sandstone, 2004.
7. Matesa, J. and Maleba, S. Heat gains measurement of four insulation systems supplied by Robor. 2004.
8. Matesa, J. and Maleba, S. Measurement of the heat transfer and air pressure drop characteristics of a 350 kW Manos engineering cooling coils. 2003.
9. Maleba, S. Applicability of a mechanised rooms and pillar mining method in the exploitation of the east reef Kisenda Mines (Technical and economical analysis). University of Lubumbashi 1999. ♦

# SAIMM Branch Chairpersons



## Johannesburg Branch

### Daniel F. Jensen

Danie has more than 35 years' success driving comprehensive strategic planning, project governance, business analysis, tender/bid development, and general management for renowned, world-class organizations, all aimed at cultivating business and revenue growth and optimal performance. He has been involved in the mining industry specifically from 2003 onwards. While consulting to re-establish a diamond and a coal mine in eSwatini (Swaziland), he initiated the eSwatini 'Mining Rights' Project with a potential market capitalization in excess of US\$1 billion. Danie was employed on a contract basis between 2007 and 2009, at RSV ENCO as Project Management Office Manager (PMO), where he was instrumental in the establishment of major engineering, procurement, commissioning, and management (EPCM) coal mining projects such as Thubelisha and Impumelelo at Sasol Secunda. He also spearheaded key efforts to implement an innovative documentation management systems (DMS) and a new PMO system (using PRISM Management Suite and ProjectWise software packages) to effectively support the delivery of cutting-edge EPCM mining projects with values of over R5 billion. He spent the period from 2010 to 2012 in the IT industry, where he was instrumental in compiling numerous tenders and initiating projects worth over R2 billion. He returned to his home ground of engineering project development and management in 2012, and played an integral role in assisting the companies he worked with in pioneering 93 project portfolio concept business plans, about 35% of which are mining-related, to be executed on a global scale with a value of over US\$20 billion if implemented.

Danie has been an active member of the Johannesburg Branch of the SAIMM since 2007 and is currently proudly serving as Chairperson since the untimely passing of John Luckmann, stepping from his role as Branch Secretary to Acting Chairperson, and subsequently elected Chair. He holds a Master of Science degree in Project Management, certificates in Project Risk Management and Senior Management Programme (University of Pretoria), Senior Management and Staff Course (South African Air Force), and Bachelor of Technology, Engineering (Technical University of Tshwane). ♦



## Namibian Branch

### Nikowa Mabvuto Namate

Nikowa Namate is Deputy Head and lecturer at the Department of Mining and Process Engineering, Namibia University of Science and Technology (NUST). He holds a Bachelor's degree in Mining Engineering from the University of Zimbabwe and a Master's in Industrial Engineering (MIE) from NUST, and has over fifteen years of industrial and academic experience. His major research interests are in industrial engineering processes and ergonomics. Nikowa is also a certified energy auditor. He has an in-depth understanding of the mining industry in Namibia, and plays an active role in the development and diversification of the sector by providing consulting services to small-scale enterprises. ♦

# SAIMM Branch Chairpersons



## Northern Cape Branch

### Fabian Nieuwenhuys

Fabian Nieuwenhuys has been a Member of the SAIMM since 2014 and a member of the Northern Cape Branch Committee since 2015. He was elected as Branch Secretary in 2016 and Branch Chairman in 2018.

After graduating from the Cape Peninsula University of Technology in 2008, Fabian began his career as a professional-in-training at the Namakwa Sands smelting operation, a heavy mineral sands smelting facility situated on the west coast of South Africa. In 2011 he was promoted to the position of Senior Plant Metallurgist, and subsequently re-assigned to the Namakwa Sands mineral separation plant.

In 2013 Fabian joined the Assmang Group as a Project Metallurgist at the Khumani iron ore mine and after two years was promoted to the position of Production Manager at the wet high-intensity magnetic separation (WHIMS) process in 2015. In 2016 Fabian completed a Postgraduate Diploma in Management Practice at the University of Cape Town's Graduate School of Business.

Since 2016 Fabian has fulfilled multiple roles and responsibilities within the Khumani Mine management structure, and is currently assigned as the manager of the Metallurgical Services department, the load-out operations, as well as both primary crushing plants.

Fabian is married to Azalia, with a son and two daughters – Aden, Logan and Dyllan. His hobbies include reading, camping, playing the acoustic guitar, and online video gaming. ♦



## Pretoria Branch

### Sezer Uludag

Sezer Uludag holds a BSc (Mining Engineering) and an MSc (Mining Engineering) from the University of the Witwatersrand. She is currently a lecturer in the Department of Mining Engineering at the University of Pretoria, where she presents three undergraduate and two postgraduate modules on underground and surface mining methods. Her research interests include drilling and blasting, automation, application of systems thinking and system dynamics to mining-related problems, rock cutting, and spontaneous combustion. She is currently busy with a PhD study on the quantification of the impact of disruptive technologies in an open pit mining environment using system dynamics methods.

Sezer was previously as a consultant at Anglo American Technical Solutions, creating innovative value-adding solutions to drilling and blasting related issues, as well as working on support governance and supply chain within the Group on drilling and blasting quality and standards. Prior to that, she was a lecturer at the University of the Witwatersrand, where she presented a full-year course on Excavation Engineering, involving principles of rock cutting, drilling and tunnel boring machines; and drilling and blasting principles and design. She also lectured and coordinated a Graduate Diploma Engineering course on blasting technology. ♦

# SAIMM Branch Chairpersons



## Western Cape Branch

### Lawrence Bbosa

Lawrence Bbosa completed his schooling in Nairobi, Kenya. He gained a BSc in Electro-Mechanical Engineering at the University of Cape Town in 2005, followed by an MSc in Chemical Engineering, specializing in the analysis of theories and models relating to ore breakage, and the comparison of the breakage behaviour of ores in a series of devices common to comminution research.

From January 2009 to June 2013 he held the position of Senior Scientific Officer at UCT's Centre for Minerals Research, where he coordinated and assisted activities within the research group, conducted numerical modelling simulations and laboratory experiments, and taught and assisted undergraduate and postgraduate students. During this time he completed a PhD in Chemical Engineering. The scope of his research covered both applied and computational aspects of comminution, including computational modelling of tumbling mills using the discrete element method (DEM), validation with experimental data from positron emission particle tracking (PEPT), and modelling of power draw and energy dissipation in terms of charge motion variables. Since 2013 he has held the post of Senior Lecturer in the Department of Chemical Engineering at UCT, where he teaches in the Chemical Engineering degree programme and also pursues comminution research with the Centre for Minerals Research.

Lawrence is currently the Chair of SAIMM's Western Cape Branch. He is married to Constance, and they have two daughters, Emerald and Alyssa. He is a keen long-distance runner, and has completed the Two Oceans Half Marathon three times, as well as the Two Oceans Ultramarathon in 2014. ♦



## Zambian Branch

### Darius Muma

Darius Muma graduated from the University of Zambia (UNZA) in 2004 with a BSc Chemistry. He worked as an Environmental Project Assistant at UNZA School of Mines with the Advocacy for Environmental Restoration Zambia (AREZ), before joining Konkola Copper Mines' (KCM) Nchanga Mine in Chingola as a Graduate Chemist. He remained with KCM for 8½ years, progressing through the ranks to Senior Chemist, Sectional Chemist, and Acting Head of Analytical Services. During this time he gained a Diploma in Business Management (Association of Business Executives, UK). In February 2014, Darius moved to Mopani Copper Mines' Mufulira Mine to take up his present position of Assistant Superintendent Technical.

While at Mufulira, he has completed a Bachelor of Education in Environmental Education at UNZA, and also an MSc in Sustainable Mineral Resource Development under the Education for Sustainable Development in Africa (ESDA) joint programme of the University of Cape Town's Faculty of Engineering and Built Environment and the UNZA School of Mines. Darius is married to Priscilla Chola, a professional nurse and tutor at Nchanga School of Midwifery and Nursing in the Zambian Ministry of Health, and the couple have three children; Martin Kazandwe, Precious Mwaba, and Gracious Kunda. \_

Darius has a wide range of specialized skills and training in mineral sampling and assaying, including X-ray fluorescence, fire assay and related pyrometallurgical analysis techniques, laboratory auditing, chemometrics and intelligent laboratory systems, metallurgical accounting, and laboratory information management systems and project management. He is also a BSI Certified Auditor for BSI ISO 14001 and Lead Auditor for BSI ISO 9001. He is a Member of the SAIMM (currently Chairperson of the Zambian Branch), the Royal Society of Chemistry (RSC), the Chemical Society of Zambia (CSZ) (currently Northern Region Vice President), the Engineering Institution of Zambia (EIZ), and a student member of ABE, UK. ♦

# SAIMM Branch Chairpersons



## Zimbabwean Branch

### Clara Petronella Sadomba

Clara Sadomba graduated from the University of Zimbabwe in 1990 with a Bachelor of Technology (Applied Chemistry & Chemical Technology), and went on to complete a Master's degree in Metallurgical Engineering at McGill University, Montreal, Canada in 1996. After a brief spell in the chemicals and plastics industries, she joined Zimbabwean integrated ferrochrome producer Zimasco (Pvt) Ltd under their graduate learnership programme and has been with the company since then, progressing through the operational, middle, and executive managerial levels. She is currently General Manager - Marketing and Administration, with key responsibilities that include marketing strategy and planning; market analysis; marketing, sales, and logistics process optimization; corporate communication; and administration of head office operations.

Clara has extensive international business experience with cross-sector and cross-cultural exposure. She is registered as a Professional Engineer with the Engineering Council of Zimbabwe and a member of the Zimbabwe Institute of Engineers. She is also Chairperson of the Zimasco Pension Fund.

Clara is single, with one son aged eighteen. ♦



## Zululand Branch

### Christo Mienie

Christo Mienie obtained his Dip Tech (T5) in Metallurgical Engineering from the Vaal Triangle Technikon. He began his career with Iscor (Mittal Steel) in their research and development department, where his area of focus was iron manufacturing, with particular interest in the evaluation and characterization of iron ore, coal, and coke for the blast furnace, direct reduction, and Corex processes.

In 1992 he joined Richards Bay Minerals (RBM), and gained valuable metallurgical and production experience over the next 14 years at various RBM plants including the roaster, char plant, iron processing, slag processing, and the smelter. His responsibilities included increasing the production of prime grade slag and pig iron, furnace rebuilds, establishing new markets and customers in conjunction with the marketing department, and the introduction of best practices in process metallurgy. His HR responsibilities included the management, training, and development of metallurgists, and he obtained valuable experience with regard to business restructuring ('right-sizing') while the team leader responsible for the SHEQ and technical departments. He completed his Management Development Programme through the University of Durban Westville during 1997.

Christo left the corporate world when he joined Spectrum Technical (Pty) Ltd in 2006 as a director and shareholder – his current position. Services to clients includes plant feasibility studies, flow sheet design, process equipment selection and supply, pilot-scale test work, plant commissioning, troubleshooting, and cost analyses in the metals and minerals industry.

Christo is married to Marietjie, and they have two boys – Francois and Christo Junior. He is a keen jogger. ♦