



# SAAMA 2018

Smarter approaches in asset management

4-6 JUNE | NH The Lord Charles Somerset West

PROGRAMME & SPEAKER FOCUS |

# SAAMA2018

## Smarter Approaches in Asset Management

4-6 June 2018 • NH The Lord Charles Hotel, Somerset West

This year the conference aims to explore Smarter approaches to enterprise asset management. With Industry 4.0 gaining momentum, permanent change is the new constant. From the daily fundamentals to strategically casting a futuristic vision, the focus is on doing these things Smarter. Working Smarter will impact on the workforce (how they work and how they are managed), our assets (adapting to new and disruptive technologies) and operations (thinking differently about efficiency and connectedness). Smarter approaches in the following topic areas are of particular interest for SAAMA2018:

- Business and management
- Digitalisation, IoT, mobile and technology in AM
- Organisation and leadership
- AM maturity principles and assessment
- Work management
- AM auditors and assessors requirements
- Reliability best practice
- AM best practices in utilities and public sector
- Equipment reliability
- Green/circular economy
- Decision-making information
- Competency and employee engagement
- Operational excellence
- Leadership and culture
- Capital projects
- AM sustainability

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<http://saama.org.za> | Visit the conference website regularly in order to follow updates or to register



DAY 1   4 JUNE 2018				
07:00	Foyer	Registration with refreshments		
08:30	Vergelegen	<b>Welcoming address and overview of SAAMA</b> Johannes Coetzee, SAAMA President		
09:00	Vergelegen	<b>Keynote address: Bringing technology and innovation into your business on a daily basis</b> Ludwick Marishane		
10:00 – 10:40	Foyer	Refreshment break and official opening of exhibition		
		<b>Session 1.1</b> Smarter application of methods to support improvement	<b>Session 1.2</b> Smarter maintenance and management of systems	<b>Session 1.3</b> Smarter failure prediction
		<i>Vergelegen 1</i>	<i>Vergelegen 2</i>	<i>Vergelegen 3</i>
		Chair: To be confirmed	Chair: To be confirmed	Chair: To be confirmed
10:40		<b>Methodology for using the construction price adjustment factor to escalate infrastructure valuations</b> Hal Belmonte – Aurecon	<b>Legally compliant piping and pipeline maintenance</b> Low de Vries, Pierre Swart & Paul Bruwer – Sasol	<b>Condition based reliability simulator framework based on a heuristic fault model</b> Ricky Swanepoel, Harry Wichers – Mechanical and Nuclear Engineering, North West University
11:25		<b>Value improvement initiatives in the Facilities Maintenance Center</b> Chantel von Saint Ange & Johan Bezuidenhout – Pragma	<b>Effective pump management: Who should make the final decision?</b> Etienne Human – Sasol	<b>Changing the outlook of maintenance by adopting condition monitoring techniques</b> Arveen Gobind – Pragma
12:10		<b>No silver bullets... Practical approaches for the implementation of asset management information systems in the South African municipal context</b> Francois Joubert – Aurecon	<b>Optimum replacement of assets – industry example</b> André Jordaan – Pragma	<b>Reliability modelling of train sets for the Passenger Rail Agency of South Africa (PRASA)</b> Kristov Trollip, Wyhan Jooste & Pieter Conradie – Asset Care Research Group, Stellenbosch University
12:45 – 13:45	Foyer	Lunch		
		<b>Session 1.4</b> Smart asset applications	<b>Session 1.5</b> Smarter asset management systems	<b>Session 1.6</b>
		<i>Vergelegen 1</i>	<i>Vergelegen 2</i>	<i>Vergelegen 3</i>
		Chair: To be confirmed	Chair: To be confirmed	Chair: To be confirmed
13:45		<b>Useful applications of artificial intelligence in the maintenance domain</b> Simon Jagers – Semioticlabs	<b>Redefining 21<sup>st</sup> century asset management – A municipal perspective</b> Emmanuel Ngcobo – KZN Asset Management Forum, iLembe District Municipality	
14:20		<b>Dropula smart water meters help schools save water</b> Jurie Erwee – Bridgiot		
15:00 – 15:30	Foyer	Refreshment break		
15:30			<b>International Facilities Management (FM) standards initiative</b> Helgard Pienaar	
16:30	Foyer	Welcome cocktail function		



DAY 3   6 JUNE 2018				
08:30	<i>Vergelegen</i>			
09:15	<i>Vergelegen</i>	<b>Keynote address: So what really changed ever since ISO 55000 was released?</b>		
10:00 – 10:40	<i>Foyer</i>	<b>Refreshment break</b>		
		<b>Session 3.1 Smarter performance measurement and problem solving</b>	<b>Session 3.2 Smarter assessments for decision-making</b>	<b>Session 3.3 Smarter training and competency development</b>
		<i>Vergelegen 1</i>	<i>Vergelegen 2</i>	<i>Vergelegen 3</i>
		Chair: To be confirmed	Chair: To be confirmed	Chair: To be confirmed
10:40		<b>A model for measuring communication, navigation and surveillance (CNS) equipment performance to enhance aviation safety</b> Phumelele Nomtshongwana & Krige Visser – University of Pretoria	<b>Counting the cost of our decisions</b> Rohann Botha – Sasol	<b>Maintenance planner qualification</b> Tim Beavon – Pragma
11:25		<b>An integrative approach to root cause analysis</b> Maretha Price – Sasol	<b>Strategic asset management: Delivering value across the organisation</b> Boudewijn Neijens – Institute of Asset Management	<b>The changing face of engineering in South Africa (Introduction of Academy Certification?)</b> John Cato – ECSA
12:10		<b>An investigation into hotspots and patterns of vandalism and theft of railway infrastructure in the Western Cape</b> Olabanji O Asekun – PRASA Research Chair, Stellenbosch University	<b>Physical asset management maturity in mining: A case study</b> BJ Mona – Vibot	<b>eSMARTER Learning</b> Alan Tait – The Online Training Room
12:45 – 13:30	<i>Foyer</i>	<b>Lunch</b>		
13:30	<i>Vergelegen</i>	<b>Keynote address: Herding Cats: People, teams and performance in today's workplace</b> Erik Vermeulen		
14:30 – 14:45	<i>Vergelegen</i>	<b>Closing</b> Johannes Coetzee, SAAMA President		



**JOHN CATO**

John did his studies in the Zulu Kingdom at the University of Natal-Durban in 1993 and obtained his BSc in civil engineering. He has 18,5 years' experience in Civil Engineering of which 3 years were in the construction industry.

Wanting to obtain the necessary design experience for Professional Registration, John then joined a small consulting firm where he obtained his necessary experience and registered as a Professional Engineer.

Of his consulting years John spent 9,5 years consulting in South Africa and the other 6 years he spent consulting overseas in Ireland.

John has mainly been involved in infrastructure development, roads (local), stormwater, water and sewer.

John joined ECSA in May 2015 as the Executive dealing with Policy Development and Standards Generation for Registrations and Education.



**ROB CHILDS**

Rob is a professional civil engineer and project manager with 36 years' experience. He has worked in the UK, Middle East, Far East, and southern Africa providing technical, strategic and operational management advice on a wide range of private and public funded development and infrastructure initiatives.

He is recognised as an expert in public sector infrastructure management in South Africa which has been his focus for the past 14 years. During this period he has co-authored and provided expert inputs to a number of asset management guides, such as:

- 2007 SA Local Government Infrastructure Asset Management Guidelines (LGIAMG);
- 2009 and 2012 versions of the International Infrastructure Management Manual (IIMM);
- 2016 National Infrastructure Maintenance Management Standard (NIMMS);
- the Cities' Infrastructure Delivery and Management System (CIDMS).

Rob was part of the SA team that contributed to the finalisation of ISO 55000 (on asset management) in 2013. He has been a council member of SAAMA for 3 years and is Director: Infrastructure Asset Management at EOH.



**JOHANNES COETZEE**

Johannes Coetzee has been passionately active in the field of Asset Management for the past 18 years. He initiated his career with an Industrial Engineering qualification and soon realised that Asset Management would be the field of choice in which to specialise. In order to round his business acumen he went on to obtain an MBA from the University of Stellenbosch.

Over the span of his career Johannes has gathered experience in every facet of Asset Management. His Asset Management journey started with implementing basic maintenance management systems and it went on to consult at the highest level within the field of Asset Management, with his experience spreading over all the mainstream industries in various countries. Noteworthy is the time spent in Ireland establishing a new Asset Management division for a large multi-national company.

He is currently employed by Pragma as Regional Manager responsible for all operational activities north of the Orange River stretching into Africa. Johannes also serves as Non-Executive Director on the Martec board. Since 2013 Johannes has been on the council of the Southern African Asset Management Association (SAAMA) and is currently serving as President of SAAMA. In June 2016 he was elected as the Vice-Chairman of the Global forum for Maintenance and Asset Management (GMAM), the world body of organisations providing leadership for maintenance & asset management communities.



**WYHAN JOOSTE**

Wyhan is registered as a professional industrial engineer. He is currently the head of the Asset Care Research Group (ACRG) and a senior lecturer at the Department of Industrial Engineering at Stellenbosch University, where he supervises postgraduate research about various asset management related topics. Before following a career in academia he worked for a decade in industry involved in local and international consulting and research and development activities in the fields of asset- and maintenance management services.



## LUDWICK MARISHANE

Ludwick Marishane is an international award winning business scientist and speaker. He is the MD of Headboy Industries Inc, which is an innovative product-development & commercialisation company best known for their DryBath® product.

Ludwick is his country's youngest patent-filer after having invented DryBath® at the age of 17. In 2011, he was rated as the best student entrepreneur in the world, and that same year, Google named him as one of the 12 brightest young minds in the world.

He holds a Bachelor of Business Science, majoring in Finance & Accounting, from the University of Cape Town in South Africa. In December 2013, the global TIME Magazine named him as one of the 30 people, under 30, who are changing the world... one of only 2 Africans on the list. Forbes Africa named him as one of the Top 30 under 30 Young African Entrepreneurs in 2013 & 2015, and in 2015 he was chosen as one of South Africa's 21 ICONS for the curation's youth-focused 3rd edition.

He was the only African (and youngest) to address the 1500-person industry-audience at the 2015 Accenture Innovation Conference (on the topic of Reverse Innovation), and has done corporate & academic talks for GIBS, UCT-GSB, Standard Bank, Absa, Discovery, Momentum, VWSA, Accenture, Sanlam, Primedia, Nandos, 2016 Consumer Goods Forum Summit and many others. He speaks with an engagingly relaxed, humorous tone, but is very frank with regards to speaking practically & bluntly on his topics.



## PROF PIET NAUDÉ

Piet Naudé holds an MA in Philosophy (*cum laude*) and a Doctoral degree in Theology from the University of Stellenbosch. He is a Professor of Ethics and former Vice-Rector: Academic at Nelson Mandela Metropolitan University in Port Elizabeth.

Piet Naudé was appointed on 1 September 2014 as Director of the Stellenbosch University Business School (USB).

He has received a number of national and international academic awards, including an Alexander von Humboldt Foundation scholarship to the Universities of Heidelberg and Bamberg (Germany), and life membership of the Centre for Theological Enquiry at Princeton University (USA). Between January 2012 and August 2014 he held a position of extraordinary professor at Stellenbosch University's theological faculty.

Piet is a rated scientist by the National Research Foundation of South Africa and has published over 90 articles in accredited journals and presented more than 100 papers at national and international conferences. His monograph on the Belhar confession was awarded the Andrew Murray- Desmond Tutu prize for theological-academic literature in 2011.

Piet is the past president of the Business Ethics Network of Africa (BEN-Africa) and also the African representative on the executive committee of ISBEE, the International Society for Business, Ethics and Economics. Piet was appointed as a Trustee of the Wilderness Foundation Africa in 2015. He was also appointed to the EFMD Dean's Steering Committee in 2016.

He regularly speaks at business and civil society conferences and has done consulting work for national and international listed companies on issues of ethics and governance.

Piet has been writing a weekly column for *The Eastern Province Herald* for the last nine years. In 2011 he won the national Vodacom Journalist of the Year competition for his work as a columnist. *Times Media* published a collection of these columns entitled, *Reading between the (head) lines*, in October 2014.

He is married to Elize Roodt, an academic, and the couple has three children.





ADRIAAN SCHEERES

Adriaan is CEO and co-founder of Pragma. He is a visionary leader and strategist. His intuitive and caring nature is the backbone of his service-orientated approach which filters down to his client-focused teams.

Adriaan has successfully led Pragma to become a multinational, physical asset management solutions provider. He is one of the founding members of SAAMA and is regularly invited to address audiences at conferences on the future of Physical Asset Management where he breathes life into new concepts and insights.

He serves on various boards of directors and is a well-known opinion leader in the industry. Adriaan holds an Industrial Engineering degree from the University of Stellenbosch and a Masters degree in Information Systems.

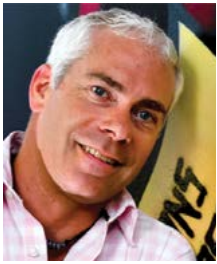


ALAN TAIT

Alan is a senior executive with extensive experience in physical asset management, systems, education, marketing, strategic business development and management. He has a proven track record of generating increased revenue, enhancing the bottom line and reducing costs and growing business units through effective business strategies resulting in long- term sustainable growth.

Alan's previous roles have included CEO of Advance Call, MD of Pragma Africa, President and Honorary Member of SAAMA, Sales and Marketing Executive at Pearson and now Executive Head at The Training Room Online. During the past 22 years, his Asset Management experience includes fixed asset registers, ERP system implementations, preventive maintenance programmes and facilities management. His Education experience includes print & digital publishing, teacher training and eLearning, while his Call Centre experience is in Public Sector and Consumer based call centres.

Alan is an avid golfer and pilot and enjoys bringing teams and people together. His favourite adage is 'is you want to go fast, go alone, if you want to go far, go together.'



**ERIK VERMEULEN**

Erik Vermeulen has been a Business consultant and international Keynote speaker since 1994. He specialises in Corporate Behaviour strategies, allowing companies to create more profitable behaviours by examining how their teams work and how they interact with their employees as well as their customers. Erik explores trends and behaviours that have shaped the business world, and ones that will be required to motivate and improve performance in a post-recession business world where corporate spin become less powerful than customer and employee experience.

He has served long-term consulting contracts with some of the world's largest companies and leaders in the global marketplace. His clients have found that Erik has the ability to put plenty of real life business issues into perspective and offer realistic alternatives to team and leadership issues. He is frequently singled out for his enthusiasm, down to earth attitude and refreshing approach to people.

Erik has helped an African mobile phone company say *"Jambo Greatness"*, and they delivered on the promise. He's shown the staff at Africa's most profitable airline how they can *"Lift you Up"*, and a medical Aid scheme how to become *"Pacesetters"*. He's even managed a to get the IT division at a major bank to *"Simplify Complexity"* and a children's Cancer Charity to understand *"How Now Brown Cow?"* to transition to bigger things."

Erik believes that you cannot motivate people, he takes a highly effective behavioural approach to leadership that allows him to influence what people are motivated to do! He shows companies how to build "virtual" teams that include both their employees and their customers, making a significant impact on the bottom-line. He has helped a global mobile phone company sell 60 000 units in a saturated market in under 3 weeks.



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#### THREE DAY PACKAGES (TICK [✓] APPROPRIATE BOX)

SAAMA Member	R10 500.00 (excl VAT)	Student Registration	R3 062.00 (excl VAT)
Standard Registration	R13 200.00 (excl VAT)	Presenter Registration	R7 000.00 (excl VAT)

#### TWO DAY PACKAGES (TICK [✓] APPROPRIATE BOX)

SAAMA Member	R4 000.00 (excl VAT)	Student Registration	R3 200.00 (excl VAT)
Standard Registration	R8 800.00 (excl VAT)	Presenter Registration	R4 600.00 (excl VAT)

#### ONE DAY PACKAGES (TICK [✓] APPROPRIATE BOX)

SAAMA Member	R3 500.00 (excl VAT)	Student Registration	R2 130.00 (excl VAT)
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Cancellations must be sent to Beatrix Lourens ([conference@saama.org.za](mailto:conference@saama.org.za)) in writing to avoid bearing the full costs. Cancellations before 25 April 2018, will receive a full refund less a 10% administration fee. After 25 April 2018 there will be no refunds. Registration is transferable to delegates not yet registered. This must be done in writing, clearly indicating the substitution and the current delegate's name. Pragma has taken all reasonable care in making arrangements for the SAAMA2018. In the event of unforeseen disruptions, Pragma cannot be held responsible for any losses incurred by delegates. The programme is correct at the time of printing, but can change due to unforeseen circumstances and cancellations beyond our control.

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