



## 2020SAEEC CONFERENCE PROGRAMME

**4 NOVEMBER 2020**

**DAY 1**

### OPENING SESSION: AFRICA - THE POWERHOUSE

09:00	-	09:15	<b>Welcome &amp; Introduction</b> Keith Cassie - President SAEEC
09:15	-	09:45	<b>'Africa and Confidence in African Ability - What is up with Africans'</b> Professor Adam Habib - Vice-Chancellor of the University of the Witwatersrand
09:45	-	10:05	<b>Energy efficiency Global Status and Key Issues</b> Dr Brian Motherway - International Energy Agency
10:05	-	10:25	<b>Energy Developments in SA</b> Mr Nkululeko Buthelezi, Chairman of the SANEDI Board
10:25	-	10:45	<b>Panel Discussion Q&amp;A</b> By: K. Cassie, A. Habib, B. Motherway, N. Buthelezi Session chaired by Keith Cassie

**10:45 - 11:00 Comfort Break**

### TRACK 1: SWITCH ON SUPPLY - ALTERNATIVE GENERATION

11:00	-	11:20	<b>Are we really considering efficiency? A contrarian view</b> Prof David Nicholls
11:20	-	11:40	<b>Adapting BEM Theory for Small Wind Turbine Blade Design</b> Dr Sean Poole
11:40	-	12:00	<b>A framework for conduit Hydro Power plant development in Water supply and distribution system</b> Marco van Dijk - LTM Energy
12:00	-	12:20	<b>Lessons learned from private PPA</b> Douglas Cooper - Next Renewable Generation
12:20	-	12:35	<b>Panel Discussion Q&amp;A</b> By: D. Nicholls, S. Poole, M. van Dijk, D. Cooper Session chaired by Carel Ballack

**12:35 - 13:15 Lunch Break**

## TRACK 2: UNIDO IEE PROJECT - BEYOND WINDOW DRESSING: THE TRUE IMPACT OF GENDER MAINSTREAMING

		<p><b>Moderator: Faith Mkhacwa, NCPC-IEE – Programme Manager: IEE Project, NCPC-SA</b>  <b>Panelists:</b></p> <p><b>Women and girls in the just transition to a green economy</b>          Priyanka Teeluck - <i>International gender expert: To share insights from her gender work across the globe, especially in collaboration with UN Women</i></p> <p><b>The journey behind the establishment of Uzenzele Holdings, and its support for/experience with small women-owned businesses</b>          Nadia Rawjee - <i>Executive Director: Uzenzele Holdings</i></p> <p><b>Women and Energy Management at Mpact</b>          Rosalind dos Santos - <i>Group Energy Manager: Paper, Corrugated Plastics and Recycling Divisions, Mpact Ltd</i></p> <p><b>The driving force of Women in a fast growing economy</b>          Alf Hartzenburg - <i>IEE National Project Manager, NCPC-SA: To share his experience and insights based on his work with companies participating in the IEE project over the past 9 years</i></p> <p><b>Beyond an attractive display - Let's take action.</b>          Keith Cassie, <i>Standard Bank, SAEEC President</i></p> <p><b>UNIDO's approach to and tools for gender mainstreaming</b>          Petro de Wet - <i>UNIDO SA outreach, media and gender specialist</i></p>	
13:15	-	14:25	
14:25	-	14:50	<p><b>Panel Discussion Q&amp;A</b>          By: P. Teeluck, N. Rawjee, R. dos Santos, A. Hartzenburg, K. Cassie, P. de Wet          Session chaired by Faith Mkhacwa</p>



**14:50 - 15:10 Comfort Break**

## TRACK 3: THE FUTURE - MEASUREMENT, VERIFICATION, MONITORING & EVALUATION

15:10	-	15:35	<p><b>The Future of M&amp;V</b>          Karel Steyn, Independent Consultant &amp; MVCSA Chair</p>
15:35	-	16:00	<p><b>Industrial Energy – Calibrated Simulation (Guidance and Application in 12I/L projects)</b>          Dr Mark Rawlins - Energy &amp; Combustion Services</p>
16:00	-	16:30	<p><b>Machine learning and M&amp;V</b>          Dr Herman Carstens, Senior Consultant at N-SIDE</p>
16:30	-	16:55	<p><b>Panel Discussion Q&amp;A</b>          By: K. Steyn, M. Rawlins, H. Carstens          Session chaired by Christo van der Merwe</p>





5 NOVEMBER 2020

DAY 2

## OPENING SESSION: URBAN EFFICIENCY

09:00	-	09:15	<b>Welcome &amp; Introduction</b> Lisa Reynolds - Immediate Past President SAEEC
09:15	-	09:45	<b>The importance of net zero buildings in tackling the ongoing climate emergency</b> Victoria Kate Burrows - World Green Building Council, Net Zero Buildings
09:45	-	10:05	<b>Economic value of Decarbonization</b> Samer Zawaydeh - AEE President
10:05	-	10:25	<b>The significance of financing as driver for the growth of the Solar PV Sector in SA</b> Carel Ballack - AREP
10:25	-	10:45	<b>Panel Discussion Q&amp;A</b> By: L. Reynolds, V. Burrows, S. Zawaydeh, C. Ballack Session chaired by Lisa Reynolds

10:45 - 11:00 **Comfort Break**

## TRACK 4: CLEAN-MOBILITY

11:00	-	11:20	<b>"The State of Electric Mobility in Kenya"</b> Simon Ngure - Chair of the Association for Electric Mobility and Development in Africa (AEMDA)
11:20	-	11:40	<b>The electric vehicle ecosystem and energy efficiency opportunities</b> Hiten Parmer - Director of the National uYilo eMobility Technology Innovation Programme
11:40	-	12:00	<b>Infrastructure for clean mobility in South Africa</b> Winstone Jordaan - Director, Grid Cars
12:00	-	12:20	<b>Clean Transport is NOT about EVs Only...</b> Karel Steyn - Independent Consultant
12:20	-	12:35	<b>Panel Discussion Q&amp;A</b> By: S. Ngure, H. Parmer, W. Jordaan, K. Steyn Session chaired by Bryan Majola

12:35 - 13:15 **Lunch Break**

## TRACK 5: LTM ENERGY & PHILIPS - SWITCH ON SERVICES

13:15	-	13:35	<b>Sustainable Neighbourhoods - Requirements and implications</b> Dr Jeremy Gibberd - GAUGE
13:35	-	13:55	<b>Innovation and Control in an Office Park (Case Study)</b> Dhevan Pillay - LTM Energy
13:55	-	14:15	<b>Energy Efficiency Challenges in the Green Building Sector</b> Damon Lapping - Energy Consultant
14:15	-	14:35	<b>A Vision of a responsive agriculture sector that is in balance with nature: A Carbon Footprint Project</b> Vanessa Barends-Jones - Western Cape Department of Agriculture: Agricultural Economic Services
14:35	-	14:50	<b>Panel Discussion Q&amp;A</b> By: J. Gibberd, D. Pillay, D. Lapping, V. Barend-Jones Session chaired by Sula Ntsaluba



**14:50 - 15:10 Comfort Break**

## TRACK 6: SAYES - THE NEXT GENERATION OF ENERGY LEADERS!

15:10	-	15:35	<b>Energy Skills Development</b> Tsholofelo Mokotedi - EWSeta
15:35	-	16:00	<b>Creating a pool of workforce in the Energy Sector</b> Mashela Makobela - LEDET
16:00	-	16:30	<b>Enabling students to take control of the future.</b> <b>How to capture the interaction, collaboration and ambition of students to best empower them to be open minded to unlock the future?</b> Izelle Bosman - Consultant
16:30	-	16:55	<b>Panel Discussion Q&amp;A</b> By: T. Mokotedi, M. Makobela, I. Bosman Session chaired by Devaksha Maharaj





**6 NOVEMBER 2020**

**DAY 3**

**OPENING SESSION: INDUSTRIAL EVOLUTION**

09:00	-	09:15	<b>Welcome &amp; Introduction</b> Zadok Olinga - Vice President SAEEC
09:15	-	09:45	<b>Thriving in the 4th Industrial Revolution – Beyond Survival</b> Dan Matsapola, Science Engagement Manager - South African National Space Agency (SANSA)
09:45	-	10:05	<b>Exploring the Role of Robotic Process Automation in Demand Side Management and Virtual Power Markets</b> Nalen Alwar - Director - Energy Actuals
10:05	-	10:25	<b>Industrial efficiency: trends and policy progress</b> Hugo Salamanca - International Energy Agency
10:25	-	10:45	<b>Panel Discussion Q&amp;A</b> By: Z. Olinga, D. Matsapola, N. Alwar, H. Salamanca Session chaired by Zadok Olinga

**10:45 - 11:00 Comfort Break**

**TRACK 7: IEE PROJECT: NCPC-SA - A SHOWCASE ON ENERGY SYSTEMS**

11:00	-	11:20	<b>Compressed Air System Audit at a cement plant in the Balkans</b> Albert Williams - Energy Consultant
11:20	-	11:40	<b>Evaluating the use of lower grade or blended feedstock on fluidised bed package boilers</b> Cornelius van Tonder & Werner Botha - BARA Consulting
11:40	-	12:00	<b>WASTE - Attaining true critical mass</b> Andrew Rist - Loop (Pty) Ltd
12:00	-	12:20	<b>Mauritian Energy Sector: Steam System Assessment</b> Alf Hartszenburg - Cleaner Production Centre
12:20	-	12:35	<b>Panel Discussion Q&amp;A</b> By: A. Williams, C. v Tonder, W. Botha, A. Rist, A. Hartszenburg Session chaired by Dhevan Pillay



**12:35 - 13:15 Lunch Break**

## TRACK 8: COVA ADVISORY - SWITCH ON SAVINGS (FINANCE & INCENTIVES)

13:15	-	13:35	<b>Carbon Tax and how to mitigate the effects of Carbon Tax</b> Pieter de Villiers - Cova Advisory
13:35	-	13:55	<b>A deep dive into the Carbon tax allowances</b> Zelda Burchell - Cova Advisory
13:55	-	14:15	<b>M&amp;V as Risk Assurance Tool</b> Christo van der Merwe
14:15	-	14:35	<b>Does Carbon Tax provide a business case for Environmental Projects</b> Joslin Lydall - Catalyst
14:35	-	14:50	<b>Panel Discussion Q&amp;A</b> By: P. De Villiers, Z. Burchell, J. Lydall Session chaired by Karel Steyn



**14:50 - 15:10 Comfort Break**

## CLOSE OUT SESSION: CONCLUDING THE 2020 SAEEC CONFERENCE

**Moderator: Keith Cassie - SAEEC President**

**Panelist:**

Carel Ballack  
Faith Mkhacwa  
Christo van der Merwe  
Lisa Reynolds  
Bryan Majola  
Sula Ntsaluba  
Devaksha Maharaj  
Zadok Olinga  
Dhevan Pillay  
Karel Steyn

**CLOSE OUT STATEMENT BY THE SAEEC PRESIDENT, MR KEITH CASSIE**

\*SPEAKERS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE