



66th AMEU Convention 2017

TECHNICAL SOLUTIONS FOR OUR CHANGING BUSINESS MODEL



PROGRAMME

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66th AMEU Convention

2017 8 – 11 October

Sunday, 8 October 2017

Sports Day

19:00 **Sports Dinner**

Monday, 9 October 2017

07:00 **Registration and refreshments**

09:00 Assembly & procession 5

National anthem 5

Prayer and scripture reading 5

09:15 Welcome by the President 10
Mr Moferefere Tshabalala, AMEU President

09:25 Welcome by the Host 20

09:45 Keynote Address 40
The Hon Mr David van Rooyen, Minister of COGTA

10:25 Address by NERSA 30
Mr Chris Forlee, NERSA CEO

10:55 Invitation – Venue Announcement 2018 5

Honorary Membership Award 10
Mr Jean Venter, AMEU General Secretary

11:10 **Refreshment and exhibition viewing / Departure of spouses**

11:30 **INTRODUCTION TO DAY 1 SESSION CHAIR: Mr Moferefere Tshabalala
(AMEU President)**

TOPIC – Change of Business Models in Municipalities

11:30 *Technical Solutions for a Changing Business Model for Alternative Energy* 30
Mokgadi Magemba, City Power JHB

12:00 *Technical Solutions for our Changing Business Model (Maintenance)* 30
Lomile Modiselle, City of Tshwane Metropolitan

12:30 *The Role of South African Municipalities in Renewable Energy:
Review of Business Models - discussion paper* 30
Aurelie Ferry, SALGA/TIPS/GIZ

13:00 **Lunch and exhibition viewing**

14:00 SESSION CHAIR: Ms Refilwe Mokgosi (AMEU President Elect)

TOPIC – Smart Grid Security – Cyber Attacks Risk Mitigation

- 14:00 **“Smart Grid Security – Cyber Attack Risk Mitigation”** 30
*Emil Gurevitch, Software Security Engineer, Networked Energy Services Gdansk, Poland
(Specialist on Smart Grid Security)*
- 14:30 **“Dude, where’s my Power Grid?” – A Serious Look into the Harsh Reality of the Vulnerability of our Power Grids to Cyber-Attacks.** 30
Rodney Swartz, Siemens (Pty) Ltd
- 15:00 **Cyber security for critical infrastructure – legislation and regulation (focus on SANS 62443)** 30
Cobus Pool, Proconics
- 15:30 **Refreshments and exhibition viewing**
- 16:00 SESSION CHAIR: Ms Jayshree Pershad (eThekweni Metropolitan Municipality)
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TOPIC - Physical Asset Management

- 16:00 **Modern Asset Management in Utilities** 30
Francisco J Arenas, Schneider- Electric
- 16:30 **Predictive maintenance of transformers through the determination of gassing characteristics and oil compatibility studies** 30
Matshediso Phoshoko, Powertech Transformers
- 17:15 **Day Adjournment, Cocktail function in the exhibition area**
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Tuesday, 10 October 2017

- 07:30 **Registration and Refreshments**
- 08:20 Keynote Address 40
The Hon Ms Thembisile Majola, Deputy Minister of Energy
- 09:00 **INTRODUCTION TO DAY 2 SESSION CHAIR: Ms Malerato Mohlala (City Power JHB)**
- 09:00 to 11:00 Round Table – “Promoting and Achieving Gender Equality Within the Electricity Supply and Distribution Industries – the Journey”**
(Note: women panelists only from both private and public sectors)
- 11:00 **Refreshments and exhibition viewing**

11:30 SESSION CHAIR: Ms Nelisiwe Magubane (Matleng Energy Solutions)

TOPIC – The Impact of SSEG on the Business of Municipalities

- 11:30 **The Current Impact of Solar PV as an Embedded Generation Source in South Africa** 30
Christopher Haw, South African Photovoltaic Industry Association (SAPVIA)
- 12:00 **Assessment of the Technical Potential of Rooftop Solar PV in the City of Johannesburg** 30
Moroasereme Nisoane, Khumba Sustainability
- 12:30 **Impact of Commercial/Industrial SSEG installations on MV networks** 30
Geeven Moodley, Digsilent Buyisa
- 13:00 **Lunch and exhibition viewing**
- 14:00 SESSION CHAIR: Ms Nombulelo Zwane (Stellenbosch Municipality)
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TOPIC – Innovation and Technology Disrupters

- 14:00 **Global electricity disruption and the South African parallels** 30
Paul Vermeulen, City Power JHB
- 14:30 **Second Generation Solar Street Lighting: A Game Changer for Public Lighting in Municipalities** 30
- The case study of Durumi in Abuja, Nigeria
Olivier Saint Girons, Sunna Design
- 15:00 **Innovative Technology Permits Predictive Maintenance on a HV Power Network** 30
Patrick O'Hallahan, City Power JHB
- 15:30 **Day Adjournment**
- 18:30 **Gala Dinner, Hosted by the AMEU President, Boardwalk Convention Centre (Tsitsikamma Room)**
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Wednesday, 11 October 2017

- 08:00 **Registration and exhibition viewing**
- 08:30 **INTRODUCTION TO DAY 3 SESSION CHAIR: Ms Jacqui Chauke (Lesedi Local Municipality)**
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Topic – Business Sustainability and Related Challenges Facing a Typical Electricity Distributor Today

- 08:30 **New Challenges facing the Utility Engineer** 30
Paul Gerber, Nelson Mandela Bay Metropolitan Municipality (NMBM)
- 09:00 **Ekurhuleni Metropolitan Municipality's Innovative Approach Through the Use of Power Partners as Service Providers to Promote the Green Economy and Enhance Profitability** 30
Mark Wilson, Ekurhuleni Metropolitan Municipality
- 09:30 **Case study: Joint Feasibility Study, EDF (France) with NMBM with the intent to improve electricity distribution performance at short and medium terms.** 30
Jean-Luc Farges, Electricité de France (EDF) and France and Peter Neilson, Nelson Mandela Bay Metropolitan Municipality (NMBM)
- 10:00 **Revenue Protection – Introducing Mandatory Revenue Protection Initiatives to Improve Municipal Cash Flow** 30
Nzimeni Mgoqi, South African Revenue Protection Association (SARPA)

10:30 *Advanced Revenue Programme: Large Power Users* 30
Martin Kuhlmann, Siemens (Pty) Ltd

11:00 **Refreshments and exhibition viewing**

11:30 **SESSION CHAIR: Ms Lungi Mbewu (City Power JHB)**

TOPIC - SHER Related Matters

11:30 *The OHSA (EIR and EMR regulations) as applicable to a Municipality* 30
and the Department of Labour
Jakes Malatse/Pieter Laubscher, Department of Labour

12:00 *The Alignment of SHEQ to ISO 31000 (Enterprise Risk Management) and King IV* 30
Joe Tefu, General Manager, SHEQ, City Power JHB

12:30 **Mr Moferefere Tshabalala ((AMEU President)**

CONVENTION FORUM: ALL DELEGATES INVITED

12:30 **Closing session**
Convention summary
AMEU best paper
award Cigre award
Thanks from the AMEU affiliates chair
Thanks from the partners
Closing address from the president

13:30 **Day adjournment and lunch**
