

23rd AMEU TECHNICAL CONVENTION PROGRAMME

26 - 28 September 2011

Surviving the Energy Challenges- How Technology can Support us

DAY 1 – 26 SEPTEMBER 2011

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| 07:30 | Registration and Refreshments | | |
| 08:30 | Assembly & Procession | 5 | |
| | National Anthem | 5 | |
| | Opening Act | 5 | Cape Malay choir |
| | Prayer and Scripture Reading | 5 | Pastor E Fray |
| | Welcome by the President | 15 | Michael J Rhode, AMEU President |
| | Welcome by the City of Cape Town | 20 | Ald Patricia de Lille, The Executive Mayor of Cape Town |
| 09:25 | Key Note Address | 45 | Dr Wolsey Barnard, Executive Manager: INEP |
| 10:10 | New President Elect | 10 | Michael J Rhode |
| | Invitation – venue of the 2012 Convention | 10 | Clr Aubrey Nxumalo, MMC Water and Energy, Ekurhuleni Municipality |
| | Honorary Membership Awards | 10 | Michael J Rhode |
| | Social Contribution | | Michael J Rhode |
| 10:40 | Refreshments & Exhibition Viewing / Departure of Spouses | | |
| INTRODUCTION TO DAY 1: Ald C Justus (City of Cape Town) | | | |
| SESSION CHAIR: Hannes Roos | | | |
| LESSONS LEARNED | | | |
| 11:20 | The Indian DRUM Project- Distribution, Review, Up gradation and Management | 30 | R A J Frantz & R S Wallis, Phambili Merz (Pty) Ltd. / Mott Mc Donald, India |
| 11:50 | Benoni Township Normalisation Project (2011 – 2016): A Case Study | 30 | Bosaletse Mpesi, Eskom |
| 12:20 | EDI Restructuring: The Legacy, the Lessons and the Future | 30 | Willem de Beer and Nigel Waters, Private |
| 12:50 | Lunch & Exhibition Viewing | | |
| SESSION CHAIR: William Olivier | | | |
| CONDITION MONITORING/MAINTENANCE | | | |
| 13:50 | Condition monitoring of equipment to improve quality of supply to customers by averting failures | 30 | Patrick O'Halloran, City Power |
| 14:20 | Electricity Distribution Infrastructure Master Data Governance using the Masterkey Tool | 30 | Chris Plüddemann, City of Cape Town |
| 14:50 | Challenges Facing Protective Relay Engineers in Modern Times | 30 | Alexander Dierks, Alectrix (Pty) Ltd |
| 15:20 | Refreshments & Exhibition Viewing | | |
| SESSION CHAIR: Louis Steyn | | | |
| SUSTAINABILITY | | | |
| 16:00 | The Shift Towards Energy Sustainability in Asia: Lessons for Africa? | 30 | Ron Millard , Parsons Brinckerhoff (PB) |
| 16:30 | Sustainable energy provision options for South African cities | 30 | Mark Borchers, Sustainable Energy Africa (SEA) |
| 17:00 | Day Adjournment | | |
| 17:00 | Presidential Cocktail Function, Hosted by Michael J Rhode, AMEU President (AMEU Exhibition Area) | | |

DAY 2 - 27 SEPTEMBER 2011

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| 07:30 | Registration and Refreshments | | |
| INTRODUCTION TO DAY 2: Cllr J. Rademeyer (Drakenstein Municipality) | | | |
| SESSION CHAIR: Leon Kritzinger | | | |
| ENERGY EFFICIENCY/DEMAND SIDE MANAGEMENT | | | |
| 08:30 | Meeting capacity challenges through DSM – a partnership approach | 30 | Andrew Etzinger , Eskom |
| 09:00 | Demand Response: Eskom’s Virtual Power Station – 600MW.... and growing | 30 | R M Surtees, Enerweb |
| 09:30 | Energy efficiency, tariffs, and new technology – what is the link? | 30 | Dr William G H Dykman, UMS |
| 10:00 | LED lighting of Residential Areas - the economical option for Local Authorities | 30 | Daniel Kasper and Johann Schleritzko, BEKA (PTY) Ltd |
| 10:30 | Refreshments & Exhibition Viewing | | |
| SESSION CHAIR: Vincent Kobuwe | | | |
| ENERGY EFFICIENCY/DEMAND SIDE MANAGEMENT (continued) | | | |
| 11:10 | How implementing online meter monitoring and feedback has helped the City of Ekurhuleni to manage both revenue and demand | 30 | Stephen Delpont, City of Ekurhuleni |
| 11:40 | The advantages of utilising vendor independent automated meter reading systems | | Gerard van der Merwe, Poweretch IST Otokon |
| 12:10 | Does the new Swistra Ripple Control Protocol supersede the introduction of bi-directional Communication? | 30 | Adrian Toller / Ian Robinson, Swistec Systems AG / Robmet Meters cc |
| 12:40 | Lunch & Exhibition Viewing | | |
| SESSION CHAIR: Moferefere Tshabalala | | | |
| ENERGY LOSS MANAGEMENT & THEFT OF MATERIAL | | | |
| 13:45 | Smart metering case studies & lessons learnt | 30 | Imraan Mohamed, Itron |
| 14:15 | Practical metering in the South African context – <i>A robust method to ensure revenue recovery with managed Kiosks</i> | 30 | Shane van Jaarveldt, Power Process Systems |
| 14:45 | Failing to measure means failing to manage | 30 | Rudi Leitner, Touchwork |
| 15:45 | Refreshments & Exhibition Viewing | | |
| SESSION CHAIR: Jayshree Pershad | | | |
| TARIFFS | | | |
| 15:45 | Wheeling of energy- enabling mechanism’s in the current environment | 30 | Shirley Salvoldi, Eskom |
| 16:15 | Strategic Direction for Eskom’s Retail Tariffs - 2011 | 30 | Deon Conradie, Eskom |
| 16:45 | Day Adjournment & Exhibition Viewing | | |
| 19:00 | Gala Evening Hosted by the City of Cape Town (LookOut at the V&A Waterfront) | | |

DAY 3 - 28 SEPTEMBER 2011

08:00 Registration and Refreshments

INTRODUCTION TO DAY 2: Cllr MS Zunga (eThekweni Municipality)

SESSION CHAIR: Sandile Maphumulo

SYSTEM PERFORMANCE/ASSET MANAGEMENT

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| 09:00 | Live line transmission line upgrade projects – First in Africa project | 30 | Patrick O’Halloran, City Power |
| 09:30 | Applying simplified network feeder reliability modelling as basis for pragmatic strategic management decision making regarding capital and operational investments – a large scale application case study for Eskom Distribution | 30 | Dr Clinton Carter-Brown, Eskom |
| 10:00 | The impact of plug-in electric vehicles on distribution networks | 30 | Gustav Brand, Netgroup South Africa |
| 10:30 | Mobile Technology for Electricity Field Service Personnel | 30 | Marthinus van der Merwe, City of Cape Town |

11:00 Refreshments & Exhibition Viewing

SESSION CHAIR: Evert van Helden

SYSTEM PERFORMANCE/ASSET MANAGEMENT (continued)

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| 11:45 | Mobile Solutions for Supporting Asset Management and Creating Sustainable Jobs | 30 | T Rajakanthan, Ciber Terrasoft, EnerKey and Eskom |
| 12:15 | Transformer re-designs in modern economic times. Compulsory norms & Standards + New Technology | 30 | D W Hayes, Rotek Engineering (Pty) Ltd |

SESSION CHAIR: President of the AMEU, Michael J Rhode

CONVENTION FORUM - ALL DELEGATES INVITED

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| 12:45 | Closing Session Convention Summary AMEU Best paper Award Cigre Award Thanks from the Chairman of the Affiliates Thanks from Partners Word from the President-Elect Closing address from the President | | |
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13:45 Day Adjournment & Lunch

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