

## CONGRESS PROGRAMME

Wednesday 27 July 2016		
07:30	REGISTRATION	
08:30	WELCOME	
08:40	Session 1: Chair: Edward Livesey - President of CorriSA	
08:50	Plenary 1: Alison Davenport	
09:30	Corrosion Behaviour of Typical Railway Axle Steels in Water	Desmond Klenam
09:50	Investigation of the Effect of Porosity on Corrosion Resistance and Hardness of WC-Co Coatings on Metal Substrates	Lesley Cornish
10:10	Electrochemical and Wet-Wear Behaviour of Oxide Dispersion Strengthened Duplex Stainless Steel in Mine Water Environment	Babtunde Obadele
10:30	TEA	
10:50	Tricks & Traps in Corrosion Design & Materials Selection	Simon Norton
11:10	Keynote 1: Roelf Sandenberg	
11:50	A Preliminary Updated Atmospheric Corrosivity Map of South Africa - Based on Historical Data	Darelle Janse van Rensburg
12:10	Global Warming Triggered Heavy Rains and its Effect on the Corrosion of Car Bodies in Uyo Metropolis	Patrick Obot
12:30	Review of Atmospheric Corrosion Studies in Kenya: Past, Present and Future	John Onyatta
12:50	Networking Lunch & Exhibition	
13:40	Session 2 : Chair: Patricia Papoola	
13:50	Keynote 2: Peter Olubambi	
14:30	Simplified Technology for Erosion Resistance Testing of Materials Used in Slurry Handling Equipment	Thulani Ndwande
14:50	A Case Study on the Cavitation of Cu-Sn Pump Impellers at a Steam Generation Plant	Wallace Matizamhuka
15:10	TEA	
15:30	Comparative Effects of Corrosive Wear on Electroless-Ni plated As-received and Cast Al Alloys in Brake Oil	Daniel Oloruntoba
15:50	Surface Characteristics of Mild steel Under High Shear CO <sub>2</sub> Corrosion	Oladeji Ige
16:10	POSTER SESSION	
18:00	Evening Cocktail Meet & Greet & Formal Opening of Exhibiton	

## CONGRESS PROGRAMME

Thursday 28 July 2016		
08:00	Session 3: Chair: Lesley Chown	
08:10	Plenary 2: Deon Slabbert	
08:50	Hydrogen-Induced Cracking (HIC) and Sulphide Stress Corrosion Cracking (SSCC) Susceptibility Testing of Pipeline Alloys using a HIC Testing Rig	Veronica Morudu
09:10	Stress Corrosion Cracking of Type 304L Stainless Steel in Aqueous Sodium Chloride	Nonofo Tshilwane
09:30	The Effect of Stresses on the Electrochemical Potential and Instantaneous Uniform Corrosion Rate of Aluminium 5XXX and 6XXX Series Alloys in a 5% by Mass Total Salt Solution using a Luggin Probe	Greg Combrink
09:50	Corrosion Safety Risk Assessment for Testing in Hydrofluoric Acid	Ryno van der Merwe
10:10	Effect of Ruthenium Laser Cladding on Metal Dusting of 304L Stainless Steel	Yonela Mgwebi
10:30	TEA	
10:50	The INS and OUTS of Stainless Steel Corrosion	Simon Norton
11:10	Plenary 3: Reza Javaherdashti	
11:50	Corrosion Behaviour of Aged Haynes 282 and Inconel 718 in Acidic and Alkaline Environments	M.A. Bodude
12:10	Networking Lunch & Exhibition	
13:00	Session 4: Chair: Patrick Eshun	
13:10	Keynote 3: Olusegun Abiola	
13:50	Investigation of the Adsorption Characteristics of Selected Sulphonamide Derivatives as Corrosion Inhibitors on Mild Steel/Hydrochloric Acid Interface Surfaces: Experimental, Quantum Chemical and QSAR Studies	Lutendo Murulana
14:10	Aqueous Extracts of Acer pseudoplatanus Leaves as Eco-Friendly Corrosion Inhibition for Aluminium Alloy AA2024 in 1.0 M HCl	Lebe Nhanna
14:30	Evaluation of the Corrosion Inhibition Effect of Vanillin on Mild Steel in Dilute Sulphuric and Hydrochloric Acid Media	Roland Loto
14:50	TEA	
15:10	Mechanism and Phenomenology of Organic Inhibitors	Aondona Ihom
15:30	Corrosion Inhibition Effect of Allium sativum Extracts on Mild Steel in HCl and H <sub>2</sub> SO <sub>4</sub>	Loto Akin
15:50	Corrosion Inhibition Behaviour of Jatropha curcas Leaf Extract on Mild Steel Under Sand Deposit in Sweet and Aerated Oilfield Environments	Oladeji Ige
16:10	Development of Soluble Salt Contamination Measurements	Craig Woolhouse
16:30	POSTER SESSION	
18:00	Congress Dinner	

## CONGRESS PROGRAMME

Friday 29 July 2016		
08:00	Session 5: Chair: Babtunde Obadele	
08:10	Plenary 4: Arjan Mol	
08:50		Annalene Brown
09:10	Synthesis and Evaluation of Polyaniline-Titanium Dioxide Composite for Metal Corrosion Control	Ezekiel Madigoe
09:30	Keynote 4: Douglas Mills	
10:10	TEA	
10:30	Plenary 4: Philippe Refait	
11:10	Practical Experience in IR-Free Potential Measurements Under Stray Current Interference Conditions	Frances L. Bradfield
11:30	Determining the Status and Integrity of an Asset form 1976: Is a Buried Asset "Out of Sight and Out of Mind"?	Armin Schwab
11:50	Electrochemical Characterization of the Cathodic Protection Behaviour of Coated Water Distribution Pipeline Steels	Khoele Khotso
12:10	Temporary Cathodic Protection: Do we really need it?	Vanessa Sealy-Fisher
12:30	Networking Lunch & Exhibition	
13:30	Session 6: Lesley Cornish	
13:30	Plenary 5: Craig Botha	
14:10	AfriCORR Panel Discussion: <i>Corrosion Costs but Who Pays?</i> <b>Panelists:</b> Sibthayn Rajab: Sasol Craig Botha: Relgnite Herman Potgieter: University of the Witwatersrand Yonela Mgwebi: MSc Student, University of the Witwatersrand	
15:10	Closing Remarks :	
15:30	TEA	