

# AfriCORR18 PROGRAMME



Day 1 : Wednesday 18 July 2018	
07:30	REGISTRATION
08:30	Welcome Morning session chaired by Mr Donovan Slade : President, Corrosion Institute of Southern Africa
08:50	J. Zhang Carbon induced corrosion at high temperature - mechanisms and prevention
09:30	Ntebogeng Mogale An investigation on the effect of SiC additions on the properties and corrosion performance of alumina-silicon carbide composite material
09:50	Nomsombuluko Masia Studying the performance of high chromium white cast iron (HCWCI) in combination milling in raffinate leach processes.
10:10	Opening of AfriCORR18 EXPO / TEA
10:50	Prince Cobbinah The effect of SiC content on the corrosion and tribocorrosion performance of SPS produced Al/SiC nanocomposites.
11:10	Johan Westraadt Oxidation of 316L stainless steel in the PWR primary water environment
11:30	Presentation of Selected Top Achievers from Local Schools
11:40	NACE
12:40	Lunch / EXPO / Networking
13:30	Afternoon session chaired by Prof Lesley Cornish : Wits University
13:40	Rob Knutsen Recent applied studies in corrosion at the UCT Centre For Materials Engineering
14:20	Vuyo Motsweni Mass loss comparison behavior of 316L SS and 316L SS weld alloyed with ruthenium
14:40	Dario DellOrto Temporary Coatings for In Process or Storage Applications
15:00	Afternoon Tea / EXPO / Networking
15:30	POSTER SESSION 1
	Annastasia Mantshiu Biocompatibility evaluation of nano-sintered Ti-15Zr-4Nb-2Ta-0.2Pd alloy for biomedical applications.
	Mithavini Mahundla Evaluation of the corrosion behaviour of titanium alloys fabricated by spark plasma sintering.
	Jerman Madonsela Corrosion assessment of biomedical Ti-24Nb-4Zr-8Sn alloy produced using SPS in various simulated body solutions
	Veronica Morudu Effect of Temperature and Exposure Time on the Metal Dusting of Alloy 800
	Sunday Aribo Theoretical model and its verification for the flow assisted corrosion of reinforced duplex stainless steel 2205-TiN composite in aerated 3.5 wt. % Na

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DAY 2 : Thursday 19 July 2018	
08:00	Registration
08:20	Morning session chaired by Ms Tebogo Bhulose : Eskom
08:30	Deon Slabbert
09:10	Lesley A. Cornish                      Modeling and Measurement of Naphthenic Acid Corrosion in a Crude Oil Refinery's Distillation Units
09:30	Franklin Okafor                      Risk Based Approach to Asset Maintenance Painting in the Oil and Gas Industry
09:50	<b>Market Place</b> Spotlight on : Reignite (Pty) Ltd, TCC SA , Weartech (Pty) Ltd, Wits University
10:10	Morning Tea / EXPO / Networking
10:50	Robert White                      Galvanized Autobody Partnership: Recent Results Corrosion Performance of Advanced Galvanized Sheet Steels
11:30	Chwayita Madikizela                      Micro-galvanic corrosion of Ti-6Al-4V in- situ alloyed with molybdenum via selective laser melting
11:50	Graham Duk                      PC & Mobile App software developments in the acquisition, transfer, storage and reporting of coating inspection data
12:10	<b>Market Place</b> Spotlight on :BAMR, Cathtect Engineering (Pty) Ltd, GPT ( Garlock Pipeline Technologies), Hot Dip Galvanizers Association SA
12:30	Lunch / EXPO / Networking
13:20	Afternoon session chaired by Dr Babatunde Obadele : University of Johannesburg
13:30	Phumlani Mjwana                      Effect of Calcareous Deposit Formation on the Efficiency of Cathodic Protection on Carbon Steel in Simulated Soil Solution
13:50	Ryno Van der Merwe                      Effect of nitric acid contamination on mild steel corrosion in hydrofluoric acid
14:10	Mavis Khathutshelo Nemavhola                      The effect of Fe addition on the corrosion behaviour of (Ti-34Nb-25Zr-xFe) based alloy for orthopaedic device application fabricated by SPS.
14:30	Herman Potgieter                      The effect of halides, pH and temperature on the corrosion of Ni-Cr dental alloys in artificial saliva
14:50	<b>Market Place</b> Spotlight on :Isinyithi Cathodic Protection, Kansai Plascon, Metrohm SA, SUB SEA SYSTEMS INT'L NIG LTD
15:10	Afternoon Tea / EXPO / Networking
15:50	POSTER SESSION 2
	Lukman Olasunkanmi                      6-phenyl-3(2H)-pyridazinone and 3-chloro-6-phenylpyrazine as corrosion inhibitors
	Mofu Tsoeunyane                      Corrosion Inhibition of Mild Steel by synthesized poly(ethylene succinate)-L-Histidine composite
	Samuel Akinwamide                      Studies on Corrosion Behavior of Al (Mg-TiFe-Sic) Matrix Composite in Acidic and Chloride Media
	Tshimanga Ngalula                      Characterization of locally sourced abrasives and their influence on the corrosion rate of 304 stainless steel in a SO2 gaseous environment
18:30	GALA DINNER : moyo Zoo Lake

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DAY 3 : Friday 20 July 2018	
08:00	Registration
08:20	Morning Session chaired by Mr Jacob Adams : NACE International
08:30	Craig Botha                      Benchmarking International Cathodic Protection and Alternating Current Mitigation Standards to Determine Suitable Protection Criteria
09:10	Mandlenkosi Mahlobo            Modelling electrochemical mechanisms of carbon steel buried in unsaturated artificial soil in the presence of cathodic protection
09:30	Neil Webb                            Corrosion Protection of LPG Sites
09:50	Fortunate Moyo                    Corrosion characterisation of ruthenium implanted AISI 304L in proton exchange membrane fuel cell environments
10:10	Morning Tea / EXPO / Networking
10:50	Josias Van der Merwe            The electrochemistry and the prediction of stress-corrosion cracking
11:30	Gregory Combrink                A review of corrosion research on metal additively manufactured components
12:00	Darelle Janse van Rensburg    Atmospheric corrosion maps of South Africa and the Greater Johannesburg Metropolitan Area (GJMA)
12:30	Lunch / EXPO / Networking
13:30	<b>AfriCORR Panel discussion</b> <b>African Corrosion Challenges - Making Solutions our Own</b> Chaired by Prof Lesley Cornish A panel discussion including Mr Solomon Thwala - industry Prof Rob Knutsen - academia Ms Lungile Harya – CorriSO (CorriISA's student arm) and others ..... Congress delegate contributions also welcomed
Congress Closing / Afternoon Tea	