



PROVISIONAL PROGRAMME - (subject to review and acceptance of final paper)

Reduce YOUR Waste Footprint!

DAY 1

TUESDAY 16 OCTOBER 2018

08:50 - 09:00	Welcoming	Mr Sipho Dube
09:00 - 09:10	Welcome Address	City of Ekurhuleni Executive Mayor Mzwandile Masina - TBC
09:10 - 09:35	Keynote Address	The Honourable Minister Dr. Molewa - TBC
09:35 - 09:45	Outgoing Address	Outgoing President - Mr Jan Palm
09:45 - 09:55	Inaugural Address	Incoming President - Mr Leon Grobbelaar
09:55 - 10:10	Awards	Presidents Awards - Mr Jan Palm
10:10 - 10:30	Keynote Address - 2	Challenging Changes Connecting Waste Hierarchy and Circular Economy - Mr Ad Lansink
10:30	House Rules	Mr Sipho Dube
10:35 - 11:00	Tea - Indoor Exhibition Hall - CENTRE COURT	
Venue	Assembly Rooms	
11:00 - 11:30	A new generation of Solar Caps for landfill closures to gain significant costs savings and secondary use opportunities	
	Presenter: Mark Roberts	
11:30 - 12:00	Strive towards Zero waste to landfill in Namibia	
	Presenter: Gys Louw	
12:00 - 12:30	Policy for Implementation of Sustainable Waste Management based on 40 years of Experience in Austria and Europe	
	Presenter: Gerald Kurz	
12:30 - 13:30	Lunch in Indoor Exhibition Hall - CENTRE COURT	

Stream	Recycling	Recovery	Hierarchy
Topic	Behaviour	Beneficiation	Cost of compliance
	Session Chair:	Session Chair:	Session Chair:
13:30 - 14:00	TBC	To beneficiate or not to beneficiate	The environmental, health and social costs of allowing unlicensed rubbish dumps to continue to proliferate outweigh the costs of enforcing compliance
	Presenter: TBC	Presenter: Malcolm Whitehouse	Presenter: Philippa Charlton
14:00 - 14:30	Sustainability of Waste Management Recycling: A case study of Paarl	Beneficiation of C & D Waste	Determination of the Solid Waste Infrastructure Requirements for Legal Compliance and Diversion Targets in the Western Cape
	Presenter: Roelien du Plessis	Presenter: Green Cape	Presenter: Jan Palm
14:30 - 15:00	The social dilemma of household recycling	Preliminary Results on the Innovative Use of Paper-Mill Waste Sludge as Performance Enhancer of Green Concrete	Implementing the Waste Hierarchy, what does it cost
	Presenter: Wilma Strydom	Presenter: Frazer Smith	Presenter: Reon Pienaar
15:00 - 15:30	Tea - Indoor Exhibition Hall - CENTRE COURT		
Stream	General waste	Diversion	Recycling
Topic	Case studies	Case studies	Circular Economy
	Session Chair:	Session Chair:	Session Chair:
15:30 - 16:00	Socio-demographic effects on household food waste and prevention in the city of Tshwane metropolitan municipality	Probability Mapping of Waste Disposal Sites In Alice Town, Eastern Cape	Developing Success Conditions – Waste Economy Case Study: East London
	Presenter: Fhumulani Ramukhwatho	Presenter: Zamavuso Tshazi	Presenter: Quinton Williams
16:00 - 16:30	Waste management and benchmarking at Ngala tented camp (Ngala Game Reserve)	Waste Hierarchy: Lowest Priority Remains a Reality - but Where	Waste as a resource – Opportunities in Africa
	Presenter: Kevin Mearns	Presenter: Jacobus Otto	Presenter: Suzan Oelofse
16:30 - 17:00	Waste Characterisation in Stellenbosch: 5 years later	Factors Associated With Noncompliance of Landfills Operations In The Nkangala District Municipality, Mpumalanga Province With The National Minimum Standards on Operations of Landfills	The circular economy – What are the real opportunities for South Africa?
	Presenter: Charlotte Nell	Presenter: Erald Nabinde	Presenter: Lindiwe Van Staden
CONFERENCE DINNER			

DAY 2

WEDNESDAY 17 OCTOBER 2018

Venue	Senate 1	Senate 2	Negotiation Chamber
Stream	Recovery	Recycling	Recycling
Topic	Co-processing	Organic waste	Informal Sector
	Session Chair:	Session Chair:	Session Chair:
09:00 - 09:30	Evaluation of a Hydrometallurgical Process Option for the Treatment of Printed Waste Circuit Boards	The Potential for Composting In Medium Density Households in South Africa	Partnerships towards waste picker support – valuing our collectors
	Presenter: Nontobeko Nxumalo	Presenter: Roelien du Plessis	Presenter: Kirsten Barnes
09:30 - 10:00	Interwaste’s blending platform facility: Generation of Waste Derived Fuel for the Cement Industries- A case study	The hybrid composting of Municipal Solid Waste as a waste diversion option	A survey on selected households within the Ekurhuleni metropolitan municipality to participate in solid waste management and recycling
	Presenter: Rudzani Muedi	Presenter: Melumzi Nontangana	Presenter: Sibongile Gumbi
10:00 - 10:30	Evaluating the carbon footprint of refuse derived fuel (RDF) as an energy source in the cement industry, relative to a conventional, non-renewable, fuel source	Organics: Accelerating a market beyond its current infancy	Managing landfills and waste pickers on them in South Africa: Toward increased recognition, access, dignity and income
	Presenter: Bradley Thorpe	Presenter: Yaseen Salie	Presenter: Rinie Schenck
10:30 - 11:00	Tea - Indoor Exhibition Hall - CENTRE COURT		
Stream	Recycling	Waste Economy	Landfill
Topic	Waste diversion from landfill	Enterprise Development	Landfill
	Session Chair:	Session Chair:	Session Chair:
11:00 - 11:30	Danish experience in developing integrated approach to separate collection and central sorting of valuable recyclables from the MSW	Market led enterprise development in the waste economy, catalyses opportunities for entrepreneurs in the Western Cape	Electrical leak location (ELL) for waste containment applications
	Presenter: Torben Kristiansen	Presenter: Oliver Bonstein	Presenter: Abigail Gilson-Beck
11:30 - 12:00	Implementing the Waste Management Hierarchy: Applying the SASCOST Model to determine indicative costs of Separation at Source	Rapid Economic transformation in the e-waste sector in SA	A site assessment for seismic activity on the proposed Kupferberg landfill extension in Windhoek, Namibia.
	Presenter: Anton Nahman	Presenter: Keith Anderson	Presenter: Brendon Jewaskiewitz
12:00 - 12:30	Business Unusual - Management, Staff and Stakeholders collaborating to divert waste from landfill: The case of Mintek	Cooperatives in Waste and Recycling: a recipe for failed waste hierarchy Implementation	Radical Landfill Transformation
	Presenter: Mpendula Ginindza	Presenter: Aubrey Muswema	Presenter: Logan Moodley
12:30 - 13:30	Lunch - Indoor Exhibition Hall - CENTRE COURT		

Venue	Senate 1		Senate 2	Negotiation Chamber
Topic	This scientific session will present the results of a number of research projects funded under South Africa's 10-year Waste Research, Development and Innovation Roadmap		Biogas in South Africa	Workshop - DEA National Waste Management Strategy / State of Waste and Industry Waste Management Plans
	Facilitator: Linda Godfrey		Facilitator: David Newman	Facilitator: Kgauta Mokoena
13:30 – 13:35	Welcome and introduction to the Waste RDI Roadmap	Prof Linda Godfrey	Jason Gifford Chairman of the South African Biogas Association (SABIA) - The development of the biogas industry in South Africa	TBC
	Presentation 1: Waste plastics pyrolysis for energy recovery	Mr Geoge Parku (SUN)	Dr Mike Mason , Tropical Power, experiences in biogas implementation in Africa	
13:50 – 13:55	Q&A		Q&A	
	Presentation 2: Recovery of rare earth elements from fluorescent lamp phosphor powders	Mr Levie Bumhira (SUN)	Dr Filippo Bernocchi , Ancitel Energia e Ambiente, communicating and monitoring sustainability	
14:10 – 14:15	Q&A		Q&A	
	Presentation 3: Development of hemicellulose based products from agro-waste residues	Mr Darrel Naidu (NMU)	Chris Mahoney , Eisenmann Corporation, working on renewable biogas in South Africa	
14:30 – 14:35	Q&A		Q&A	
	Presentation 4: The policy and practice of reclaimer integration in the City of Johannesburg	Ms Maite Sekhwela (Wits)	Wade McRoberts , Alps Ecoscience, business opportunities for biogas installations	
14:50 – 15:00	Q&A		Q&A	
15:00 - 15:30	Tea - Indoor Exhibition Hall - CENTRE COURT			
	Presentation 5: Metal recovery subsequent to e-waste bioprocessing using biological matrices	Mr Thabo Mabuka (UCT)	Alex Marshall , Clarke Energy, integration of biogas and renewables for energy security	TBC
15:45 – 15:55	Q&A		Q&A	
	Presentation 6: Development of an environmentally friendly metal extraction process from Lithium-ion batteries	Mr Bruce Musariri (SUN)	David Newman , President of the World Biogas Association	
16:10 – 16:20	Q&A		Global Food Waste Management report published in cooperation with C40 Cities Food, Water and Waste Programme	
	Presentation 7: Printed circuit board leach residue as reductant in pyrometallurgical operations	Güven Akdoğan		
	Closure and way forward on Waste RDI Roadmap	Prof Linda Godfrey	Conclusions : Jason Gifford - Chairman of the South African Biogas Association (SABIA)	
17:00	IWMSA AGM			

DAY 3

THURSDAY 18 OCTOBER 2018

Venue	Senate 1	Senate 2	Negotiation Chamber
Stream	Recovery	Municipal Solid Waste	Recycling
Topic	Waste to Energy	Case studies	Food and Entertainment Industry
	Session Chair:	Session Chair:	Session Chair:
09:00 - 9:30	Danish experience in developing integrated approach to separate collection and central sorting of valuable recyclables from the MSW	The effectiveness of waste management services offered by eThekweni Municipality: a case study of Ntuzuma Township in Durban.	"Implementing the Waste Hierarchy"- Assessing Recycling Potential of Restaurant Waste
	Presenter: Torben Kristiansen	Presenter: Nonhle Ndedele	Presenter: Sihle Matinise
09:30 - 10:00	Waste-to-energy concepts for emerging economies and its contribution to waste diversion from landfills	Factors associated with illegal dumping in the Zondi area, City of Johannesburg, South Africa	Recycling opportunities and pitfalls of eateries and bars in Central South Africa
	Presenter: Anup Thaliath Tomy	Presenter: Letlotlo Tumisang Polasi	Presenter: Carien Denner
10:00 - 10:30	Waste-to-Energy as an Integrated Part of Circular Economy	Current Urban Solid Waste Management Initiatives in the City of Lagos	An evaluation of waste management practices at Carnival City Casino, Brakpan
	Presenter: Gerald Kurz	Presenter: Oluwatoyin Taiwo	Presenter: Annah Pholose
10:30 - 11:00	Tea - Indoor Exhibition Hall - CENTRE COURT		
Stream	Municipal Solid Waste	Landfill	Various
Topic	Decision Support Tools	Leachate	Definition, Data and Technologies
	Session Chair:	Session Chair:	Session Chair:
11:00 - 11:30	Advancement Of The Waste Resource Optimization And Scenario Evaluation (WROSE) Model To Include Socio-Economic And Institutional Indicators.	Treatment of High Strength Landfill Leachates Containing Nitrates, Phosphates and Sulphates Using Local Sands in Permeable Reactive Barriers	Implementing the Waste Management Hierarchy: 10 years on: What is waste
	Presenter: Sameera Kisson	Presenter: Abdulmutaleb Zorgani	Presenter: Claudine Roos
11:30 - 12:00	Time to Decide, If Not Landfill, Then What	Towards Constructed Wetlands Optimisation: Understanding Root Zone Interactions and Resilience of plants grown in Landfill leachate	Big Data, Little Time - rationalising the veracity and value of waste sector data
	Presenter: Jefrey Pilusa	Presenter: B. Reimers	Presenter: Stuart Gower Jackson
12:00 - 12:30	Implementation of the Waste Resource Optimization and Scenario Evaluation (Wrose) Model: A Waste Management Decision Making Tool for South African Municipalities	Treating landfill leachate to close the Waste Hierarchy Loop!	Material recovery technologies for the South African e-waste industry
	Presenter: Cristina Trois	Presenter: Lindsay Strachan	Presenter: Mark Williams-Wynn
12:30 - 13:30	Lunch in Indoor Exhibition Hall - CENTRE COURT		
Stream	Municipal Solid Waste	Municipal Solid Waste	Recycling
Topic	Procurement	Municipal Solid Waste	Recycling
	Session Chair:	Session Chair:	Session Chair:
13:30 - 14:00	Development of an Integrated Health Care Waste Management Plan for Major Generators in Public Health Care Facilities, Gauteng Province	Can this waste diversion project work?	Plastics Recycling in South Africa is not enough
	Presenter: Tumisang Mapeu Ramodipa	Presenter: Richard Emery	Presenter: Annabe Pretorius
14:00 - 14:30	Dental Laboratory waste management in respect of reusing and recycling in KwaZulu-Natal	Impacts of severe weather events on implementing the waste hierarchy - The case of eThekweni Metropolitan Municipality	Challenges & Opportunities for off-grid solar recycling
	Presenter: Yonela Ngombane	Presenter: Aubrey Muswema	Presenter: Patricia Schroder
14:30 - 15:00	Technology enables healthcare institutions to fulfil their legal duty as caretakers of hazardous waste	Incentivized recycling and its application in the South African context	Pros and Cons of Conventional Procurement, Public Private Partnerships and alternative externalisation methodologies in the implementation process of the Waste Hierarchy
	Presenter: Megan Manley	Presenter: Lize Potgieter	Presenter: Johan Louw
15:00 - 15:30	TBC	Influence of municipal procurement systems on South Africa's recycling performance	Working together to achieve success: lessons learnt from the Ekurhuleni recycling pilot project
	Presenter:	Presenter: Fanie Machete	Presenter: Anele Sololo
Closing Plenary			
15:30 - 15:45	Report Back - WasteCon Waste Footprint - Sally Anne Kasner		
15:45 - 16:00	Findings of the Africa Waste Management Outlook - Linda Godfrey		