



SOLID WASTE MANAGEMENT HYBRID CONFERENCE

“Identifying the Value in the Waste”
2CPD Points

Date: 30 – 31 March 2023 at The Hilton Hotel Sandton, Johannesburg



Introduction

With increasing population, urbanization and expanding economic activities, solid waste disposal and management is a challenge in Africa. Waste is one of the biggest challenges faced by the world today, and the future of solid waste management depends on every single individual. Although government authorities, leaders of the nations, municipalities and local communities are working hard to manage the extensive amount of waste generated every day, a radical change in mindset at an individual level is the need of the hour. On a broader note, improper waste disposal and management, which includes public littering, lack of waste segregation, uncontrolled collection and disposal and poor waste treatment practices, have greatly impacted the world.

This conference on Solid Waste Management will enlighten the state of the art in technology, organizational and legislative developments and practices of handling solid wastes globally. An in-depth of the financial burdens and benefits as well as solutions to Transforming African economies to sustainable and circular models will be discussed.

The presentations will help the delegates to make informed decisions in their professional activities, it will assist them in defining and implementing integrated solutions to the challenges posed by solid wastes in urban environment. The conference will support participants to establish a solid waste management system that is capable of functioning not only in situations where sufficient resources are available but also under the more challenging conditions usually prevailing in cities in low income countries. The conference seeks to highlight & address alternatives to revolutionize what we do with garbage. Reduce, reuse, recycle. Rethink solid waste & landfill management, they should no longer be considered as static end-stations for obsolete materials, but rather as dynamic resource reservoirs to be unlocked, and bring about a more sustainable environment for future generations.

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SOLID WASTE MANAGEMENT HYBRID CONFERENCE SPEAKERS



Victor Manavhela - National Programme Manager, National Cleaner Production Centre.

Experienced Senior Environmental Manager with a demonstrated history of working in the sustainability industry. Industrial experience includes Sustainable Consumption and Production(SCP) and Resource

Efficiency Implementation. Skilled in Sustainable Development, Environmental Management, Climate Change. Subject expert on Industrial Symbiosis and Circular/ green Economy. Strong program and project management professional with a Master of Environmental Management focused in Environmental Management



Ashna maharajh

Sustainable leader | Environmental Scientist | Renewable energy advisor | Occupational, Health & Safety specialist at Green Cape. Ashna is experienced in SHEQ compliance with a history of working in the Recycling and Waste management industry. Skilled in Statistical Data Analysis, Project Management, Environmental Awareness, Renewable Energy and Carbon Foot-printing.



Linus Naik

Head of Sustainability and Business Development at Don't Waste Group



Anton Pieterse

Founder & Managing Director at Recor Renewable Energy Corporation T/A Waste to Energy Solutions



Joshua Palfreman

Freelance Waste Management, Recycling & WASH Specialist



Eng Simon Bere

Group Chief Strategy Officer at SBIC Group | Chief Research Scientist at SEMEDS Environmental and Economic Development Consultants in Zimbabwe



Francois Alberts

Civil Environmental Engineer at Waste Centric



Prof. Catherina Schenck

DSI/NRF/CSIR/SARChI Chair in Waste and Society at University of the Western Cape



Dr Sibusiso Omega Nxumalo - Climate Finance Specialist Advisor at International Development Group LLC (IDG)

Dr Nxumalo has 9 years of work experience in the fields of environmental, social & economic development & 2 years of work experience in international development.

He has served as an Assistant Director: Climate Adaptation M&E at the Department of Environment, Forestry and Fisheries primarily responsible for technical advisory support, research inputs and peer-reviewing. He has also served as a Technical Advisor/ Regional Programme Coordinator in the Southern African Development Community (SADC) Regional Vulnerability Assessment & Analysis (RVAA) Programme, responsible for providing coordination support on climate change & food security in the SADC region.



Vic Fourie

Director at E-Waste Recycling City (Pty)Ltd



Sharlene Bajjnath

Environmental Manager: Toyota South Africa Motors



Dhevan Pillay Group CEO at LTM Energy

Dhevan Pillay, a recipient of a Standard Bank scholarship and an Eskom bursar, is a professional engineer who has completed his MSc Engineering degree at the University of KwaZulu Natal. He is also an accredited professional (AP) with the GBCSA. He headed the drive in Eskom focusing on demand response and energy efficiency for the large corporate customers in South Africa. He won the Eskom Chairman's awards in the field of energy efficiency from 2008 to 2010.

He is the presiding president of the ESCO (Energy Services Companies) Association of Southern Africa (EASA), Board Member of SAEEC (South African Energy Efficiency Confederation), and a member of the University of Johannesburg (UJ) Industrial Advisory Board. LTM has recently partnered with the Bill and Mellinda Gates Foundation to focus on innovative off-grid sanitation.



Jami Nash

Director at Electronic Cemetery e-Waste Management



Himkaar Singh

CEO of The Compost Kitchen, and organic waste recycling business in Johannesburg, and is a recipient of the Forbes Africa 30 Under 30 award. Waste-to-Compost Entrepreneur | Engineer

Sponsors and Exhibitors

Conference Objective,

The Conference will provide a forum for exchange of recent Research results among Researchers from various organizations focused on learning and sharing Knowledge upon use of recycling and for discussion of future challenges in implementation and application of latest Technologies and advances in this field.

For sponsors and exhibitors, this conference is an exciting opportunity to showcase the new Technology, the new products of your Company, and/or the service your Industry may offer to a broad International audience. It covers a lot of topics and it will be a nice platform to showcase their recent Researches on Solid Waste Management and other interesting topics.

Who should attend?

- Municipalities
- Environmental Academia/ Officers/ Managers
- Health & Safety Officers/Managers
- Landfill Supervisors/Managers
- Waste Logistics Supervisors/Managers
- NPO / NGO environmental groups
- Waste Awareness Organizations/ Associations
- Integrated Waste Management Managers
- Built Environment Faculties at Universities
- Recycling Associations/ Industries/ Researchers
- Manufacturing /Recycling Companies
- Environmentalist/ Journalists (print & electronic)
- Waste Contractors/Consultants/ Entrepreneurs
- Research Institutes/ Scientists
- All Government Departments
- Ecologists
- Green Energy Organizations/ Institutions
- Banks (Sustainability Managers)
- Chemical Engineers

Highlights

- Municipal Waste Minimization Initiatives
- e-Waste in South Africa
- Sustainable Construction Solutions
- Medical waste in Africa
- Alternative Landfill Technologies
- Bio- Plastics, E-Wastes and Solid Waste Management
- Post-closure Care, Care Management & Technologies
- Onsite Waste to Energy Solutions
- Identify Concepts of Reduce, Recycle and Reuse
- Food Waste Management and Bio-economy
- Mining Waste and Economic Opportunities present in Waste Management

Benefits of Attending

- The conference will empower delegates with the knowledge to explore the benefits, challenges & practicalities involved in recycling, incineration, organics diversion, composting & anaerobic digestion.
- It also aims to help you generate a holistic waste management plan for your country or organization
- Understanding and initiating new technologies to drive efficiencies with MWM and landfill processes
- Getting to grips with the hidden financial value in Recycling
- Aims to help improve your carbon footprint.
- Identify appropriate technologies to beneficiate your waste
- Facilitate the feasibility of reducing landfill volumes
- Understand the policies and laws to consider when working with waste.
- Keynotes sharing insights into the new Waste Management Plan for South Africa
- Case studies giving practical advice on working with service providers and communities to reduce waste

Dear Delegate

With increasing population, urbanization and expanding economic activities, Solid waste disposal and management is a challenge in Africa.

Waste is one of the biggest challenges faced by the world today, and the future of solid waste management depends on every single individual. Although government authorities, leaders of the nations, municipalities and local communities are working hard to manage the extensive amount of waste generated every day, a radical change in mindset at an individual level is the need of the hour.

On a broader note, improper waste disposal and management, which includes public littering, lack of waste segregation, uncontrolled collection and disposal and poor waste treatment practices, have greatly impacted the world. According to a World Bank report, 2.01 billion tons of municipal solid waste is generated every year across the world, out of which it is estimated that 33% is not managed properly, impacting the environment.

The growing waste problem causes health hazards, especially among the poor who reside near landfills. The mismanaged waste on the roadside may lead to the transmission of diseases and affect public health. Animals also get affected by consuming plastics and toxic waste. The waste accumulation over time pollutes water bodies and ultimately disturbs the natural balance of the environment.

Besides, improper waste disposal and management directly affect the economy of a country by minimizing income opportunities from tourist destinations and spots maligned by the waste problem. Also, greenhouse gases emitted from waste contribute to climate change as well.

Rapid population growth and urbanization in Africa has led to people generating enormous quantities of solid waste and consequent environmental degradation. The waste is normally disposed in open dumps creating nuisance and environmental degradation. Solid wastes cause a major risk to public health and the environment. Management of solid wastes is important in order to minimize the adverse effects posed by their indiscriminate disposal. Waste sources range from residential, industrial, commercial, institutional, construction & demolition, municipal waste, process (manufacturing) and agriculture and all these end up in landfills.

Plasma gasification, a process which converts organic matter into synthetic gas, electricity, and slag using plasma is one of the most efficient and widely used methods used in developed countries to process waste. Inside the gasifier, the hot gases from the plasma torch or arc contact the feedstock, such as municipal solid waste, auto shredder wastes, medical waste, biomass or hazardous waste, heating it to more than 1,649 degrees Celsius. This extreme heat maintains the gasification reactions, which break apart the chemical bonds of the feedstock and converts them to a synthesis gas (syngas). The syngas which consists primarily of carbon monoxide and hydrogen is then used for basic building blocks for chemicals, fertilizers, substitute natural gas, and liquid transportation fuels.

In South Africa over 90% of all general and hazardous waste is landfilled hence, the conference seeks to address and highlight alternatives that, when put in place and managed properly would see the reduction of waste going to landfills. It will address amongst others, plasma gasification, recycling, anaerobic digestion, composting, mechanical biological treatment, waste to energy, food recycling, glass recycling, medical waste, plastic recycling, construction waste and waste minimization initiatives case studies in Africa.

There is much to be done and to achieve our shared ambitions we will need to work together, to forge alliances between authorities, waste and recycling companies, manufacturers, small businesses and residents alike to save the planet for our children and grandchildren.

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Day One

08:30 – 09:00 Morning Refreshments & Tea Break

09:00 – 10:00 Industrial symbiosis programme as an enabler to fast-track waste to resource and waste economy

10:00 – 10:15 Tea Break

10:15 – 11:00 What is the next BIG THING in Recycling?

11:00 – 12:00 The urgent need to create more Sustainable Lifestyles and a more Circular Economy - one where materials are Reused, Recycled or Recovered locally, rather than just thrown into Landfill.

12:00 – 13:00 Starting a business from food waste.

13:00 – 13:10 Event Group Photos

13:10 – 14:10 Lunch Break

14:10 – 15:00 Engineered Landfills in Developing Countries: The Financial and Technical Practicality, Feasibility and Possibilities.

15:00 – 15:10 Afternoon Tea

15:10 – 16:00 Waste recycling practices for clean and green environment

Day Two

09:00 – 10:00 Rethink waste: shaping the future of waste

10:00 – 10:15 Tea Break

10:15 – 10:25 Event Group Photos

10:25 – 11:00 Turn one of Africa's most challenging social problems, the management of waste, into a source of new wealth

11:00 – 12:00 Smart technologies & decision support tools in the waste management field.

12:00 – 13:00 A new circular vision for electronics

13:00 – 14:00 Lunch

14:00 – 15:00 The impact of artificial intelligence (AI) in the waste management and recycling sectors.

15:00 – 15:10 Afternoon Tea

15:10 – 16:00 A tsunami of e-waste: harvesting this valuable resource is a golden opportunity.

16:00 – 16:30 Networking and Closing Remarks

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ATT: Morris

By completing this form, Web submission or Booking via email, you are acknowledging that you have read the terms and conditions and that you have committed to attend this event. Please send this registration form or names only once you have obtained approval - as your company will be liable for costs once this information has been received by us. If the minimum number of delegates required is not met, the delegates will be moved to attend the next available confirmed class.

Delegate Registration Form

Please write in BLOCK CAPITALS

www.zambezipride.co.za

+27 (0) 87 700 3001

Email scanned copy to : info@zambezipride.co.za



WhatsApp

+27 (0) 63 253 1081

Please select by ticking the Box

R4,990 30 – 31 March 2023 at The Hilton Hotel Sandton, JHB

R4,490 Government Price face to face

R4,490 Virtual

Delegate Details

1. Full Names : _____

Position : _____

Cell Number : _____

Email : _____

2. Full Names : _____

Position : _____

Cell Number : _____

Email : _____

3. Full Names : _____

Position : _____

Cell Number : _____

Email : _____

4. Full Names : _____

Position : _____

Cell Number : _____

Email : _____

5. Full Names : _____

Position : _____

Cell Number : _____

Email : _____

Payment By Means Of Bank Transfer

- All Payments Must be made directly into the ZAMBEZI PRIDE Bank Account provided on the invoice and proof of banking details
- Please state the invoice number as reference .
- A copy of the bank deposit / Proof of Payment receipt must be emailed to accounts@zambezipride.co.za OR info@zambezipride.co.za

Bank Name: First National Bank

Account Type: Cheque Account

Name of Account: Zambezi Pride (Pty) Ltd

Account No: 62734429740

Branch Code: 254005

Swift Code: FIRNZJJ

Name: Randburg Main

Invoice Contact

First Name : _____

Position : _____

Department : _____

Cell Number: _____

Email : _____

Special Food Requirement

I here by acknowledge that I have read and understood all the terms and conditions of registration and have the authority to approve the registration on behalf of the company

Name _____ Position _____

Approving Managers Signature : _____ Date: _____ email: _____

Direct line: _____ Company Name: _____

Type of Business: _____ Company Registration# _____

Tel : _____ Fax: _____ VAT Number _____

Address: _____

_____ P.O.BOX: _____

Terms and Conditions

ZAMBEZI PRIDE PTY LTD. The signed registration form is a legally binding contract. Please take note that a booking submission made via email or web submission or Telephonically is considered legally binding and as such, the registered delegates must inform the organizer if they will not be able to attend, failure to which the case will be handed over and penalties apply .

Full payment is required within 5 working days. Payment must be received prior to the event date. Zambezi Pride reserves the right to refuse entry into the event should full payment not have been received prior to this date. Cancellation will be charged under the term set out below.

Cancellation, No Shows & Substitutions

Cancellations received in writing 14 days prior to event will attract a 50% cancellation fee. Should cancellations be received between 10 days & the date of the event the full event fee is payable and non-refundable.

Non-payment or non-attendance does not constitute cancellation. No show will be charged the full registration fee. Cash alternatives will not be offered, however, substitutes at no extra charge are welcome.

Alterations to advertised package: Zambezi Pride reserves the right to alter this programme without notice or penalty and in such situations no refunds or part – refunds or alternative offer will be made. Should Zambezi Pride permanently cancel an event, for any reason whatsoever, the Client shall be provided a credit of the equivalent amount paid towards the cancelled event. In the case of a postponed event Zambezi Pride will not affect any refunds unless the event has been postponed indefinitely, in case of a cancellation by client for valid reason including client availability due to moved dates, Zambezi Pride will issue a part refund with a 20% penalty fee taken off paid amount. Zambezi Pride will not be responsible for covering airfare, accommodation, or other travel cost incurred by Clients.

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