



1st International Conference on:

"Waste Management in Developing Countries and Transient Economies"

Mauritius, Africa - September 5th - 8th, 2011

Conference Programme

DAY 1 ~ Monday, 5 September 2011

10.45-11.30 **Registration + Coffee Break**

11.30-12.30 **Opening Ceremony**

OPENING CEREMONY

11.30-11.34 **Welcome Address- Master of Ceremony, Prof Romeela Mohee**
Dean of Faculty of Engineering & Local CODWAP Coordinator
University of Mauritius

11.34-11.44 **Speech by Assoc. Prof. Avraam Karagiannidis**
CODWAP Coordinator

11.45-11.55 **Address by Prof K Morgan**
Vice-Chancellor, University of Mauritius

11.56-12.10 **Speech by Honourable Minister L Hervé Aimée**
Minister of Local Government and Outer Islands

12.10-12.25 **Speech and Launching of Conference by Honourable Minister Dr R Jeetah**
Minister of Tertiary Education, Science, Research and Technology

12.30-14.00 **Lunch**



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Page 1 of 6





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Keynote Lectures

14:00 – 14:30 **Keynote Speaker Dr. Luis F. Diaz**
 President, CalRecovery, Inc., USA
 "Waste Management - An International Vision"

14:30 – 15:00 **Prof. Dr.-Ing. habil. Dr. h.c Bernd Bilitewski**
 Technical University of Dresden, GERMANY
 "How to establish a waste management in Africa"

ORAL PRESENTATIONS

		TIME		TITLE
		FROM:	TO:	
Day 1- Monday, 5 September 2011	Chair: Prof R. Mohee			
		15:00	15:20	1 Integration of bioplastics in solid waste management systems <i>K. Fischer, J. Huang, M. Espinoza</i>
		15:20	15:40	2 Mass flow analysis and impact evaluation of illegal transboundary shipments of waste <i>U. Lange, J. Den Boer, G. Obersteiner, B. Bilitewski</i>
	coffee break 15:40 – 16:00			
		16:00	16:20	3 Ecological problems by machining and chips/waste management <i>J. Kopac, E. David</i>
		16:20	16:40	4 Municipal solid waste composition and physicochemical characteristics in Romania and Bulgaria <i>V. Inglezakis, S. Dvorsak, J. Varga, C. Venetis; A.Zorpas; N. Ardeleanu; L. Ilieva; A. Karagiannidis; P. Samaras</i>
		16:45	-	End of 1ST session





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DAY 2 ~ Tuesday, 6 September 2011

Chair: Prof P. Brunner				
Day 2- Tuesday, 6 September 2011	09:00	09:20	1	How material flow networks can help improving the operation of waste treatment plants <i>J.Kornau, H. Albers</i>
	09:20	09:40	2	Waste fees in waste management <i>J. Reichenbach, T. Kügler, B. Bilitewski</i>
	09:40	10:00	3	Future megacities – a challenge for waste management research <i>M. Kranert, N. Escalante, A. Rymkiewicz</i>
	10:00	10:20	4	RISKCYCLE – A new challenge in the worldwide trade of recyclables and recycled products <i>B. Bilitewski, R.M. Darbra, D. Barceló</i>
	10:20	10:40	coffee break	
	Chair: Assoc Prof A. Karagiannidis			
	10:40	11:00	5	Process parameter variations during the co-composting of mixed filtercake, bagasse and vegetable wastes <i>A. Bhawoo, A. Mudhoo, R. Mohee</i>
	11:00	11:20	6	Domestic waste management: composting control by oxygen content measurement <i>J. Louis, G. Morizot, K.E Koledzi, G. Ludingto</i>
	11:20	11:40	7	Impacts of composts application on the properties of a dry land soil: A lab-scale study <i>G. Unmar, R.Mohee, L.Boodhoo</i>
	11:40	12:00	8	Investigating nitrogen fixation by azotobacter in soil <i>V. Jumnoodo, R. Mohee, P. Maurel</i>
	12:00	13:30	lunch	
	Chair: Prof B. Bilitewski			
13:30	13:50	9	Knowledge base for waste management in emerging economies <i>P.H. Brunner, J. Lederer</i>	
13:50	14:10	10	Recovery of landfill gas under the conditions of landfills in developing countries <i>G. Rettenberger</i>	
14:10	14:30	11	Assessing solid waste collection costs and CO2 emissions impacts based on the rising waste generation in Mauritius <i>O.Gukhool, C.Bokhoree, R. Mohee</i>	
14:30	14:50	12	Reduction of occupational risks associated with the informal collection of recyclable materials in Addis Ababa, Ethiopia <i>D. Bleck, W. Wettberg</i>	
14:50	15:10	coffee break		



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14:50	15:30	13	Waste management at the Kingtom dumpsite and its influence on nearby aquatic environment <i>R.A.D. Frazer-Williams , B-D Barry, R.S.A. Latiff</i>
15:10	15:50	14	Sustainable development of domestic waste management in developing and low income countries thanks to carbon financing: Mahajanga (Madagascar), a detailed case study <i>G. Morizot, D. Dekeister-Lompret, B. Flipo</i>
15:30	16:10	15	Case study of leachate management at tropical landfills: Mare Chicose, Mauritius <i>K. Knox, P. Kowlessar</i>
16:10	-	End of 2ND session	

DAY 3 - Wednesday, 7 September 2011

Chair: Prof A.B. Karim				
Day 3- Wednesday, 7 September 2011	09:00	09:20	1	Fermentation of waste and substrates from agriculture – technical possibilities and potential for the production of renewable energy <i>M. Wittmaier, S. Wolff</i>
	09:20	09:40	2	Exhaust gas emission from MBT plants – a case study of MBT croebern <i>L.Brunn, S.Mattersteig, B.Bilitewski, M.Friese</i>
	09:40	10:00	3	Economic and ecological analysis of household biogas plants in China <i>J. Huang, K. Fischer, M. Kranert</i>
	10:00	10:20	4	Modeling of a downdraft gasifier fed by agricultural residues <i>I.-S. Antonopoulos, A. Gkouletsos, A. Karagiannidis and G. Perkoulidis</i>
	10:20	10:40	coffee break	
	Chair: Prof M. Wittmaier			
	10:40	11:00	5	The use of compacted tropical clay treated with rice husk ash as a suitable hydraulic barrier material in waste containment applications <i>A.O. Eberemu, A. A. Amadi, K.J.Osinubi</i>
	11:00	11:20	6	Looking at wastes as valuable resources- an example from the sugarcane industry in Mauritius <i>A. Soobadar, K.F. Ng Kee Kwong</i>
	11:20	11:40	7	Waste to energy plants as an opportunity for energy production to substitute fossil fuels and to avoid greenhouse gas emissions <i>C. Wünsch, B. Bilitewski</i>
	11:40	12:00	8	A complete techno-economical assessment for the conversion of the Kotsiatis landfill in Cyprus into a waste to energy plant <i>P.G. Savva, C.N. Costa, A.G. Charalambides</i>
12:00	13:30	lunch		



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Chair: Prof M. Kranert			
13:30	13:50	9	Comparison of energy options for waste <i>B. Bilitewski</i>
13:50	14:10	10	Development of a model for the sustainable management of industrial areas in Greece <i>I.-S. Antonopoulos, A. Zouboulis, P. Samaras and A. Karagiannidis</i>
14:10	14:30	11	Energy recovery by biological utilization of organic wastes from household and landfills <i>S. Ledakowicz, L. Krzystek, H.-J. Kahle</i>
14:30	15:00	coffee break	
15:00	15:20	13	Comparative study of methane and mixed carboxylic acids production from waste activated sludge <i>H. Rughoonundun, R. Mohee</i>
15:20	15:40	14	Thermophilic solid state anaerobic digestion of MSW in sequential batch reactors <i>N. Belšak, Š. Čelan, M. Habulin, A. Pivec</i>
15:40	-	End of 3 RD session	
GALA DINNER 7.00 pm			

POSTER DEMONSTRATION

1	Thermal option for energy recovery from two organic substrates: grape and residual sunflower seeds <i>G. Ionescu, S. Ciuta; A. Badea; M. Ragazzi; E. C. Rada; C. Marculescu, T. Apostol</i>
2	Thermal options for energy recovery from packaging waste <i>G. Ionescu, A. Badea, M. Ragazzi, E. C. Rada, C. Mărculescu, T. Apostol</i>
3	Real scale experiences of innovative sewage sludge treatments in Italy: viability in transient economies <i>M. Ragazzi, E.C. Rada, R. Dal Maschio, M. Ischia</i>
4	Viability of GIS-web oriented systems for waste collection in developed and transient economies <i>E.C. Rada, M. Ragazzi, P. Fedrizzi, S. Lavorgna</i>
5	Planning for a low-cost zero waste municipality: the strategic priorities of the municipality of Preveza <i>A. Karagiannidis, C. Karkanias, P. Samaras, M.E. Klapas, E. Tzoulis, I. Prassa</i>



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Day 4- Thursday, 8 September 2011

DAY 4 ~ Thursday, 8 September 2011

SITE VISITS

At 9.00 am - Pick-up from Hotel InterContinental and moving to La Chaumiere Composting Plant. Reaching around 9.40 am

At 11.30 am - Moving from La Chaumiere Composting Plant to Curepipe for lunch at the Dodo Club

13.00 - Moving from lunch venue to Mare Chicose Landfill. Reaching at around 13.30

16.00 - Departing from Mare Chicose Landfill and back to Hotel InterContinental

Transport is being provided by the University of Mauritius

09:00 16:00



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Page 6 of 6

