



Preliminary Program

Sunday - 26 November 2017			
14h00	Registration open		
14h00	Exhibitions open		
18h00	Cocktail function		
Monday - 27 November 2017			
08h00-09h00	Registrations & arrival refreshments		
09h00-09h30	Opening - <i>Ramesh Bharuthram (South Africa)</i>		
09h30-10h15	Keynote 1 - The role of research, development and innovation in shaping a more inclusive and resilient society - <i>Dhesigen Naidoo (South Africa)</i>		
10h15-11h00	Africa's emerging cities and the peri-urban challenges and opportunities around water, energy, food and land. What are the innovative approaches around peri-urban spaces in terms of entrepreneurship and sustainable development? <i>Cecilia Kinuthia-Njenga (South Africa)</i>		
11h00-11h30	Tea break		
Parallel Sessions			
11h30-13h00	<i>Session 1 (Water Quality)</i>	<i>Session 2 (Off-Grid Technologies)</i>	<i>Session 3 (Water, Energy and Food Nexus)</i>
	Urban Lakes for managing stormwater: Understanding the impacts of water quality. <i>Sai Kiran Natarajan (Australia)</i>	Conventional water sources quality: A case for off grid systems in Sekhukhune District Municipality, South Africa. <i>Zinhle Marrengane (South Africa)</i>	Land-Water-Food Nexus and indications of crop adjustment for water shortage solution. <i>Yonghui Yang (China)</i>
	Impact of anthropogenic activities on water quality of Luvuvhu river, Limpopo Province, South Africa. <i>Linton Munyai (South Africa)</i>	A systemic monitoring methodology for decentralised sanitation technologies and the South African context. <i>Alexander Wolf (Germany)</i>	Enhanced Tilapia production using algae biomass. <i>Faizal Bux (South Africa)</i>
	The microbial quality of ground and surface water in a groundwater dependent peri-urban setting <i>Wouter Le Roux (South Africa)</i>	The two areas of consideration for land developers within the peri-urban arena of which is specific to the sustainability of decentralized wastewater treatment systems. <i>Lynasha Pillai</i>	Peri-Urban agriculture: A water-energy-food nexus perspective. <i>Tafadzwanashe Mabhaudhi (South Africa)</i>
13h00-14h00	Lunch		

Parallel Sessions			
14h00-15h30	Session 4 (Alternate sources of water)	Session 5 (Climate Change)	Session 6 (Workshop)
	Guidance for the safe use of greywater in peri-urban areas. <i>Kirsty Carden (South Africa)</i>	Modelling outdoor water use for assessing the impacts of climate change. <i>Chikondi Makwiza (South Africa)</i>	Intergovernmental water resources management and governance. <i>Matome Mahasha (South Africa)</i>
	Development of an enhanced framework for the assessment of domestic rainwater harvesting potential. <i>George Mathews Ochieng (South Africa)</i>	Integration of water and energy infrastructure within the nexus, in adaptation to a changing climate. <i>Dawid Bosman (South Africa)</i>	
		How the development of infrastructure affect climate change - A review of Tshiawelo Township. <i>Nemakonde Mashudu (South Africa)</i>	
15h30-16h00	Tea break		
Parallel Sessions			
16h00-18h00	Session 7 (Ecosystems)	Session 8 (Planning)	Session 9 (Workshop)
	Response of urban and peri-urban aquatic ecosystems to urbanization: The case of Kuils and Jukskei catchments defeating the ends of justice. <i>Bonani Madikizela (South Africa)</i>	Is green infrastructure a passing fad? Can the codification of green infrastructure standards into spatial planning save it? <i>Busani Masiri (South Africa)</i>	Breaking free from the traditional sanitation engineering paradigm to accelerate sanitation services in the developing world. <i>Sudhir Pillay (South Africa)</i>
	Comparing invasive alien plants community composition between urban, peri-urban and rural areas; the City of Cape Town as a case study. <i>Luca Afonso (South Africa)</i>	Understanding community's views of ecohydrological changes, cause, and impacts on liveability in the Cirebon Metropolitan Region: The need for the sense of place in the planning for connectivity, integration, and sustainability <i>Titih Titisari Danielaini (South Africa)</i>	
	Costs and benefits of rehabilitating an urban ecosystem using evidence based approach <i>Stanley Liphadzi (South Africa)</i>	Water Sensitive Design: An experiential story from South Africa. <i>Jay Bhagwan (South Africa)</i>	
	Decentralised ecological wastewater treatment systems for water resilience. <i>Jonny Harris (South Africa)</i>	Innovative systems for solid waste collection in peri-urban areas. <i>Manuele Marcucci (Italy)</i>	

Tuesday - 28 November 2017			
08h00-09h00	Registration & arrival refreshments		
09h00-09h45	Keynote - Connecting Peri-Urban Areas through Sustainable Public Transport. <i>Sithole Mbanga (CEO – SA Cities Network, South Africa)</i>		
09h45-10h30	Keynote - Green Bridge Technology for Managing Wastewater in Urban and Peri-urban Regions – Experiences from India. <i>Anil Mehta (Principal – Vidya Bhawan Polytechnic Udaipur (Raj), India)</i>		
10h30-11h00	Tea break		
Parallel Sessions			
11h00-12h30	<i>Session 10 (Social Innovations)</i>	<i>Session 11 (Water/Waste/Energy)</i>	<i>Session 12 (Green Technologies)</i>
	Renewed drivers for sustainable drainage systems and a water sensitive design approach. <i>Jonny Harris (South Africa)</i>	<i>Mthokozisi Ncube (South Africa)</i>	Green Wastewater Treatment: A South African perspective. <i>Benton Otieno (South Africa)</i>
	Prospects and Challenges of a Social Franchising Model for Operation and Maintenance of School Sanitation Facilities and the Demonstration of On-Site Faecal Sludge Treatment in the Eastern Cape, South Africa <i>Johnson Klu (South Africa)</i>	Irrigation in Urban Landscapes. Effectiveness of recycled water for sporting fields. <i>Dharmappa Hagare (South Africa)</i>	Analysis and quantification of existing and potential green occupations in water and wastewater treatment plants: A case study in Limpopo province <i>Kwena Pete (South Africa)</i>
	The role of social innovation in achieving the Sustainable Development Goals (SDG's) <i>Valerie Naidoo (South Africa)</i>	The Rollout of Energy Management Systems in the treatment of wastewater in Ethekwini's Northern coastal area. <i>Theresa Moonsamy (South Africa)</i>	Green technologies for peri-urban water management. <i>Raymond Siebrits (South Africa)</i>
12h30-13h30	Lunch		
13h30-14h30	Parallel Sessions		
	<i>Session 13 (Industry/Mining)</i>	<i>Session 14 (Greywater/Emerging Technologies)</i>	<i>Session 15 (Dragon's Den)</i>
	Importance of life cycle assessment for acid mine drainage long term management options in the Witwatersrand Goldfields. <i>Godfrey Madzivire (South Africa)</i>	Household Greywater Treatment and Re-Use. <i>Ross Roberts (South Africa)</i>	This session is geared towards entrepreneurs, tech developers and professionals involved in the innovation value chain
	Mining and urbanisation go hand in hand with water supply and demand. <i>Wendy Mey (South Africa)</i>	Improvement of bioenergy and biofertilizer production in peri-urban areas from waste sludge. <i>Sonia Khoufi (Tunisia)</i>	
14h30-15h00	Tea break		

Parallel Sessions			
15h00-16h30	Session 16 (Sanitation Technologies)	Session 17 (Workshop)	Session 18 (Workshop)
	Sanitation Technology Options to deal with the rapidly urbanising African population: Case Studies. <i>Sudhir Pillay (South Africa)</i>	Perspectives on Groundwater use in SA and globally <i>Shafick Adams and Basant Maheshwari (Ground water, South Africa and Australia)</i>	Enhancing liveability and resilience with water sensitive design. <i>Kirsty Carden (South Africa)</i>
	Promoting sustainable sanitation and waste management in peri-urban areas through research-Experience of the Mbabane Dry Sanitation and Waste Management Project Swaziland. <i>Ababu Tiruneh (Swaziland)</i>		
	Sanitation technology disruption for shaping cities of the future. <i>Jay Bhagwan (South Africa)</i>		
19H00-23H00	GALA DINNER		
Wednesday - 29 November 2017			
08h00-09h00	Registrations & arrival refreshments		
09h00-09h45	Keynote - Spatial Dichotomy within Per-Urban Areas. <i>Ntatho Minyuku (President – SA Planning Institute, South Africa)</i>		
09h45-10h30	Keynote - Balanced Urban Development: Is it a myth or reality? <i>Basant Maheshwari (Professor - Water, Environmental & Sustainability, School of Science and Health, Western Sydney University, Australia)</i>		
10h30-11h00	Tea break		
Parallel Sessions			
11h00-12h30	Session 19 (Governance/Indigenous Knowledge)	Session 20 (Planning)	Session 21 (Workshop)
	Governing water in the Gauteng city-region: challenges and learning for an urban future. <i>Gillian Maree (South Africa)</i>	Impact of Kiteezi Landfill Site on Land and Water Resources of Peri-Urban Kampala, Uganda. <i>Shamim Nalukwago (Australia)</i>	Utilizing water infrastructure for energy generation. <i>Marco Van Dijk (University of Pretoria, South Africa)</i>
	Emerging peri-urban water quality issues. <i>Karen Nortje (South Africa)</i>	Peri urban as a resource base for rural and urban community. <i>Anil Mehta (India)</i>	
	Towards evolving smart cities inundation indices map. <i>Oseni Taiwo Amoo (South Africa)</i>	Participatory Aquifer Management a way to resolve Urban/Peri-Urban controversial coexistence-a case study of Bhuj City-India. <i>Yogendrasingh Jadeja (India)</i>	
12h30-13h30	Lunch		

Parallel Sessions			
13h30-15h00	<i>Session 22 (Decentralised Technologies)</i>	<i>Session 23(Planning)</i>	<i>Session 24 (Workshop)</i>
	DEWATS in Peri-Urban eThekweni Municipality: Three pilot projects. <i>Carley Truyens (South Africa)</i>	Approach to water sensitive designs in informal settlements- Community resilience in Sitjwetla. <i>Simon Chambert</i>	Role of innovations in the peri urban space. <i>Teddy Gounden (eThekweni, South Africa)</i>
	Operational reliability of DEWATS plants in high FOG environments. <i>Bjoern Pietruschka (Germany)</i>	What does sanitation in the context of water sensitivity look like? The waste(water) biorefinery. <i>Bernelle Verster (South Africa)</i>	
	Protection of aquatic resources in peri-urban areas from pharmaceutical actif compounds rich wastewater by using electro-oxidation process <i>Firas Feki (Tunisia)</i>	Forum the place for integrated water resource management. <i>Marika van der Walt (South Africa)</i>	
15h00-15h30	Tea break		
15H30-16H00	CLOSING CEREMONY		
Thursday - 30 November 2017			
08h00-14h00	Technical Tours - refer to webiste for more details (subject to demand)		

<http://periurbanconference2017.org.za/>