



SOUTH AFRICA 26 TO 29 NOVEMBER 2017

South African delegates are eligible for CPD Points Cpd





SACNASP & ECSA CPD Accredited:

Earn 1 SACNASP or 8hrs ECSA CPD points for every full day attendance of the event, limited to 3 points/24hrs for attendance of the full three-day conference

REGISTRATION FEES

South African Delegates:





Southern Africa

2nd Peri-Urban Conference 2017

In South Africa, experts and technical managers in urban environments often complain about the lack of integration around the water, energy, food and land nexus. Peri-urban environments which are considered to be in transition from rural to urban offers us an opportunity to demonstrate new approaches that may be more effective for service delivery and resilience of communities.

The 2nd Peri-urban conference will take place in Cape Town, 26 – 29 November 2017, connecting professionals, academics and decision-makers from different sectors and providing a platform for sharing knowledge on water, planning and development.

MEET THE KEYNOTE SPEAKERS



Nthato Minyuku President SA Planning Institute South Africa



Dr. Anil Mehta Principal Vidya Bhawan Polytechnic Udaipur (Raj),India



Dhesigen Naidoo CEO Water Research Commission South Africa



Cecilia Kinuthia-Njenga Head – UNEP Office in South Africa Regional Programme Coordinator Southern Africa



Basant Maheshwari Professor (Water, Environmental & Sustainability, School of Science and Health), Western Sydney University Australia



Sithole Mbanga CEO – SA Cities Network, South Africa

PRELIMINARY PROGRAMME

		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 - Ramesh Bharuthram (South Africa)			
09h30-10h15	Keynote 1 - The role of research, development and innovation in shaping a more inclusive and resilient society -Dhesigen Naidoo (South Africa)			
	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			
10h15-11h00	entrepreneurship and sustainable development? Cecilia Kinuthia-Njenga (South Africa)			
11h00-11h30	Tea break			
Parallel Sessions				
11h30-13h00	Session 1 (Water Quality)	Session 2 (Off-Grid Technologies)	Session 3 (Water, Energy and Food Nexus)	
	Urban Lakes for managing stormwater: Understanding the	Conventional water sources quality: A case for off grid	Land-Water-Food Nexus and indications of crop adjustment	
	impacts of water quality.	systems in Sekhukhune District Municipality, South Africa.	for water shortage solution.	
	Sai Kiran Natarajan (Australia)	Zinhle Marrengane (South Africa)	Yonghui Yang (China)	
	Impact of anthropogenic activities on water quality of Luvuvhu	A systemic monitoring metholodology for decentralised	Enhanced Tilapia production using algae biomass.	
	river, Limpopo Province, South Africa.	sanitation technologies and the South African context.	Faizal Bux (South Africa)	
Linton Munyai (South Africa) Alexander Wolf (Germany)				
	The microbial quality of ground and surface water in a	The two areas of consideration for land developers within the	Peri-Urban agriculture: A water-energy-food nexus	
	groundwater dependent peri-urban setting	peri-urban arena of which is specific to the sustainability of	perspective.	
	Wouter Le Roux (South Africa)	decentralized wastewater treatment systems. Lynesha Pillai	Tafadzwanashe Mabhaudhi (South Africa)	
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.	Modelling outdoor water use for assessing the impacts of	Intergovernmental water resources managament and	
	Kirsty Carden (South Africa)	climate change.	governance.	
		Chikondi Makwiza (South Africa)	Matome Mahasha (South Africa)	
	Development of an enhanced framework for the assessment	Integration of water and energy infrastructure within the		
	of domestic rainwater harvesting potential.	nexus, in adaptation to a changing climate.		
	George Mathews Ochieng (South Africa)	Dawid Bosman (South Africa)		
		How the development of infrastructure affect climate change -		
		A review of Tshiawelo Township.		
		Nemakonde Mashudu (South Africa)		
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	Is green infrastructure a passing fad? Can the codification of	Breaking free from the traditional sanitation engineering	
	urbanization: The case of Kuils and Jukskei catchments	green infrastructure standards into spatial planning save it?	paradigm to accelerate sanitation services in the developing	
	defeating the ends of justice.	Busani Masiri (South Africa)	world.	
	Bonani Madikizela (South Africa)		Sudhir Pillay (South Africa)	
	Comparing invasive alien plants community composition	Understanding community's views of ecohydrological changes,		
	between urban, peri-urban and rural areas; the City of Cape	cause, and impacts on liveability in the Cirebon Metropolitan		
	Town as a case study.	Region: The need for the sense of place in the planning for		
	Luca Afonso (South Africa)	connectivity, integration, and sustainability		
		Titih Titisari Danielaini (South Africa)		
	Costs and benefits of rehabilitating an urban ecosystem using	Water Sensitive Design: An experiential story from South		
	evidence based approach	Africa.		
	Stanley Liphadzi (South Africa)	Jay Bhagwan (South Africa)		
	Decentralised ecological wastewater treatment systems for	Innovative systems for solid waste collection in peri-urban		
	water resilience.	areas.		
	Jonny Harris (South Africa)	Manuele Marcucci (Italy)		

		Tuesday - 28 November 2017	
08h00-09h00	Registration & arrival refreshments		
09h00-09h45	Keynote - Connecting Peri-Urban Areas through Sustainable Public Transport. Sithole Mbanga (CEO – SA Cities Network, South Africa)		
09h45-10h30	Keynote - Green Bridge Technology for Managing Wastewater in Urban and Peri-urban Regions – Experiences from India. Anil Mehta (Principal – Vidya Bhawan Polytechnic Udaipur (Raj), India)		
10h30-11h00	Tea break		
		Parallel Sessions	
11h00-12h30	Session 10 (Social Innovations)	Session 11 (Water/Waste/Energy)	Session 12 (Green Technologies)
	Renewed drivers for sustainable drainage systems and a water sensitive design approach. Jonny Harris (South Africa)	Mthokozisi Ncube (South Africa)	Green Wastewater Treatment: A South African perspective. Benton Otieno (South Africa)
	Operation and Maintenance of School Sanitation Facilities and	Irrigation in Urban Landscapes. Effectiveness of recycled water for sporting fields. Dharmappa Hagare (South Africa)	Analysis and quantification of existing and potential green occupations in water and wastewater treatment plants: A case study in Limpopo province Kwena Pete (South Africa)
	The role of social innovation in achieving the Sustainable Development Goals (SDG's) Valerie Naidoo (South Africa)	The Rollout of Energy Management Systems in the treatment of wastewater in Ethekwini's Northern coastal area. Theresa Moonsamy (South Africa)	Green technologies for peri-urban water management. Raymond Siebrits (South Africa)
12h30-13h30	Lunch		
13h30-14h30	Parallel Sessions		
	Session 13 (Industry/Mining)	Session 14 (Greywater/Emerging Technologies)	Session 15 (Dragon's Den)
	Importance of life cycle assessment for acid mine drainage long term management options in the Witwatersrand Goldfields. Godfrey Madzivire (South Africa)	Household Greywater Treatment and Re-Use. Ross Roberts (South Africa)	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. Wendy Mey (South Africa)	Improvement of bioenergy and biofertilizer production in periurban areas from waste sludge. Sonia Khoufi (Tunisia)	
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	Perspectives on Groundwater use in SA and globally	Enhancing liveability and resilience with water sensitive	
	urbanising African population: Case Studies.	Shafick Adams and Basant Maheshwari (Ground water, South	design.	
	Sudhir Pillay (South Africa)	Africa and Australia)	Kirsty Carden (South Africa)	
	Promoting sustainable sanitation and waste management in			
	peri-urban areas through research-Experience of the			
	Mbabane Dry Sanitation and Waste Management Project			
	Swaziland. Ababu Tiruneh			
	(Swaziland)			
	Sanitation technology disruption for shaping cities of the			
	future.			
	Jay Bhagwan (South Africa)			
19H00-23H00	GALA DINNER			
		Wednesday - 29 November 2017		
08h00-09h00	Registrations & arrival refreshments			
09h00-09h45	Keynote - Spatial Dichotomy within Per-Urban Areas. Ntatho Minyuku (President – SA Planning Institute, South Africa)			
09h45-10h30	Keynote - Balanced Urban Development: Is it a myth or reality? Basant Maheshwari (Professor - Water, Environmental & Sustainability, School of Science and Health, Western Sydney			
	University, Australia)			
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	Impact of Kiteezi Landfill Site on Land and Water Resources of	5. 5	
	learning for an urban future.	, , , ,	Marco Van Dijk (University of Pretoria, South Africa)	
	Gillian Maree (South Africa)	Shamim Nalukwago (Australia)		
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	Emerging peri-urban water quality issues.	Peri urban as a resource base for rural and urban community.		
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	Emerging peri-urban water quality issues. Karen Nortje (South Africa)	Peri urban as a resource base for rural and urban community. Anil Mehta (India)		
	Emerging peri-urban water quality issues. Karen Nortje (South Africa) Towards eveolving smart cities inudation indices map.	Peri urban as a resource base for rural and urban community. Anil Mehta (India) Participatory Aquifer Management a way to resolve		
	Emerging peri-urban water quality issues. Karen Nortje (South Africa) Towards eveolving smart cities inudation indices map.	Peri urban as a resource base for rural and urban community. Anil Mehta (India) Participatory Aquifer Management a way to resolve Urban/Peri-Urban controversial coexistence-a case study of		

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

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Can you afford to miss it?

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