



Programme

6th GAUTENG

ENVIRONMENTAL RESEARCH SYMPOSIUM

Theme: "Sustainability: From Policy to Practice"

Tuesday 22 October 2024

Programme Director: Ms Nickey Janse van Rensburg, UJ (Process, Energy and Environment Technology Station)

- 09:00 **Opening and Welcome:** Programme Director
- 09:10 **Overview of the Symposium:** Mr Blake Mosley Lefatola, HoD, Gauteng Department of Environment
- 09:15 **Address:** Ms Shyla Mary Peters, Gauteng MEC of the Department of Environment
- 09:35 **Presentation:** Quadruple Helix Collaboration, Ms Nickey Janse van Rensburg, UJ PEETS
- 09:55 **Keynote Address:** Prof Erika Kraemer-Mbula, DSI/NRF Trilateral Research Chair in Transformative Innovation, the 4IR and Sustainable Development
- 10:45 **MEC Exhibition Tour**
- 11:05 **Tea break**
- 11:35 **Breakaway discussions**
 - Plenary venue - Nature-based Solutions for Climate Resilience
 - Syndicate 8 - Circular Economy Models in Urban Environments
 - Syndicate 6 - Decentralized Renewable Energy Systems and Microgrids
 - Syndicate 9 - AI for Predictive Analytics in Environmental Conservation
- 13:15 **Lunch**
- 14:15 **Feedback from breakaway discussions and Mentimeter**
- 15:25 **Prize giving:** GERS Research Competition
- 15:40 **Way forward and vote of thanks:** Mr Loyiso Mkwana, Chief Director - Sustainable Use of Environment, Gauteng Department of Environment
- 15:50 **Closing:** Programme Director

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Breakaway discussions

11:35 to 13:15, see venues below

Nature-based Solutions for Climate Resilience: Resilient Communities, Thriving Future

Venue:	Facilitator: Vhalinavho Khavhagali	International Union for Conservation of Nature
Plenary	Mbali Zwane & Boite Kwakwa	UJ Process, Energy and Environment Technology Station
	Ndivile Mokoena	GenderCC
	Mmoto Masubelele	South African National Parks
	Kopano Ntsoane	South African Cities Network

Circular Economy Models in Urban Environments: Building Green Cities for Tomorrow

Venue:	Facilitator: Anthony Kaziboni	UJ Centre for Social Development in Africa
Syndicate 8	Bakang Moeng	Green Building Council of South Africa
	Gordon Laing	SEE Sustainability
	Dr Schalk Grobbelaar	UP Graduate School of Technology Management
	Prof Isaac Rampedi	UJ Geography, Environmental Management and Energy Studies

Decentralized Renewable Energy Systems and Microgrids: Powering Sustainability with Renewables

Venue:	Facilitator: Clarissa Muir	University of Johannesburg
Syndicate 6	Rogers Musiyarira	Department of Cooperative Governance and Traditional Affairs
	Prof Sampson Mamphweli	South African National Energy Development Institute
	Kate Joseph	City of Johannesburg
	Dr Peter Mukoma	Council for Scientific and Industrial Research

AI for Predictive Analytics in Environmental Conservation: Innovating with AI for a Greener Earth

Venue:	Facilitator: Prof Abel Ramoelo	University of Pretoria
Syndicate 9	Marc Leroy	Gauteng Department of Environment
	Prof Tobias Barnard	UJ Water and Health Research Centre
	Prof Innocent Musonda	UJ Centre of Applied Research and Innovation in the Built Environment
	Prof Mpho Primus	UJ Institute for Intelligent Systems

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