



National  
Research  
Foundation

# **THE 3<sup>RD</sup> NAMIBIA - SOUTH AFRICA JOINT RESEARCHER'S WORKSHOP**

**21 - 22 SEPTEMBER 2015 AT HILTON HOTEL, WINDHOEK**

## Workshop Day 1, Sunday: 20 September 2015

TIME	EVENT	RESPONSIBLE PERSON
Luiza Shekupe	Arrival of Participants	Secretariat

## Workshop Day 2, Monday: 21 September 2015

TIME	EVENT	RESPONSIBLE PERSON
08h35 - 09h00	Registration	Secretariat
<b>OPENING SESSION 1</b>		
<b>Chairperson: Mr Michael Nxumalo</b>		
TIME	EVENT	RESPONSIBLE PERSON
09h00 - 09h10	Welcoming remarks	<b>Dr Eino Mvula, CEO, NCRST</b>
09h10 - 09h20	Opening remarks	Dr Diina Shuuluka, GM, RSTIC&S, NCRST
09h40 - 10h00	Enabling commercialization after R&D (bridging the gap)	Private Sector
<b>SESSION 2: Progress Reports, theme: Engineering</b>		
<b>Chair: Dr Michael Backes</b>		
TIME	EVENT	RESPONSIBLE PERSON
10h00 - 11h00	On-chip and hybrid passive components for 94 GHz near-earth observation transceivers	Prof Zacchaeus Oyedokum and Dr Tinus Stander
	Geomagnetic disturbance monitoring in Namibia	Mr. Gideon Gope and Dr Pierre Cilliers
	Remote Sensing of the Upper ionised and Lower Neutral Atmosphere Using Signals from Global Navigation Satellite-borne Radio Beacons	Ms. Smita Francis and Dr John Bosco Habarulema
11h00 - 11h15	Discussions	All
11h15 - 11h30	<b>Refreshment Break</b>	

**SESSION 3: Progress Reports, theme: Agriculture****Chair: Prof Isaac Mapaure**

TIME	EVENT	RESPONSIBLE PERSON
11h30 - 12h50	The use of sheep ewes as incubators for fertilization of bovine gametes and embryo culture, followed by transfers recipient cows - a sustainable alternative for rural farming	Prof Francisco S. Mause
	Phytoplankton Community Structure in the Northern Benguela Ecosystem	Dr Barlow and Mr Deon Louw
	An investigation into the ethnoveterinary practices of communal farmers	Dr. Charles Ntahonshikira and Prof John Mupangwa
	Genetic variability of the MHC class II in indigenous cattle breeds of Namibia and South Africa	Dr.Theopoline O. Itenge, Lavinia Haikukutu, Prof Lydia Bosman
12h50 - 13h05	Discussions	All
13h00 - 14h00	<b>Lunch Break</b>	
<b>Progress Reports, theme: Agriculture</b>		
<b>Chair: Dr Jethro Zuwarimwe</b>		
TIME	EVENT	RESPONSIBLE PERSON
14h00 - 15h00	Environmental education for sustainable development ( EE for SD) in Namibia and South African schools	Dr.Alex Kanyimba and Luiza De Sousa
	Namibian Dust Emission Hot Spots	Dr. Martin Hipondoka and Dr Frank Eckardt
	Assessing ecological knowledge and adaptations to climate environmental change amongst rural communities along an aridity gradient from Namibia to South Africa	Ms. Margaret Angula and Igshaan M. Samuels
15h00 - 15h15	Discussions	All
15h15 - 15h30	<b>Refreshment Break</b>	

<b>Progress Reports, theme: Information Communication Technology</b>		
<b>Chair: Prof. José Quenum</b>		
<b>TIME</b>	<b>EVENT</b>	<b>RESPONSIBLE PERSON</b>
15h15 - 15h35	An Evidence-based and standardised Digital Forensic Framework for Cloud Computing and Solid State Drives(SSDs)	Ms. Fungai B. Shava and Prof Hendrik S. Venter
15h35 - 15h50	<b>Refreshment Break</b>	
<b>TIME</b>	<b>EVENT</b>	<b>RESPONSIBLE PERSON</b>
15h50 - 16h30	Live Design, Transform Life: Mobile education and services design to promote gifted youth development for innovation	Dr. Heike Winschiers-Theophilus and Prof Retha de la Harpe
	Throughput Optimization of Broadband FSO networks under the Southern African Cloud Climatology	Dr Clement N. Nyirenda and Prof Thomas Olwal
16h30 - 17h00	Discussions	All
<b>END OF DAY 2</b>		
18h30 - 20h30	<b>Workshop Dinner</b>	



## Workshop Day 3, Tuesday: 22 September 2015

TIME	EVENT	RESPONSIBLE PERSON
08h30 - 09h00	Welcome / Tea & Coffee	All
<b>SESSION 4: Progress Reports, Theme: Biotechnology and Biochemistry</b>		
<b>Chair: Mr Vincent Nowaseb</b>		
TIME	EVENT	RESPONSIBLE PERSON
09h00 - 10h10	Isolation and characterisation of starch from marama ( <i>Tylosema esculentum</i> ) tuber	Mr. Emmanuel Nepolo and Prof Mohammad N. Emmambux
	Identification of toxic compounds in <i>Helichrysum argyrosphaerum</i> , a plant responsible for livestock poisoning in South Africa	Prof Stefan Louw and Prof A. J. De Villiers
	Capacity development in NMR spectroscopy for molecular structure determination of indigenous plant extracts	Dr, Renate Hazel Hans and Prof Klaus Koch
10h10 - 10h15	Discussions	All
<b>Progress Reports, theme: Biotechnology and Biochemistry</b>		
<b>Chair: Mr Vincent Nowaseb</b>		
TIME	EVENT	RESPONSIBLE PERSON
10h15 - 10h55	Investigation of the genetic component of Oxalate Nephrosis in the Cheetah	Dr. Laurie Marker and Dr Desire Dalton
	Evaluation of antibacterial properties of <i>Moringa</i> species found in South Africa and Namibia and the development of seeds biosand filters	Dr. Habauka M. Kwaambwa and Prof Titus Msagati
10h55 - 11h10	Discussions	All
11h10 - 11h25	<b>Refreshment Break</b>	

<b>Progress Reports, theme: Indigenous Knowledge Systems</b>		
<b>Chair: Dr Dimitri Tassiopoulos</b>		
<b>TIME</b>	<b>EVENT</b>	<b>RESPONSIBLE PERSON</b>
11h25 - 12h25	Ethno botanical knowledge on medicinal plants used by Traditional healers in Kavango, Namibia and the Western Cape, South Africa (plants validation)	Dr Ahmad Cheikhoussef and Prof Diana Gibson
	Screening of indigenous Namibia mushrooms for their antimalarial activities against sensitive and resistant strains of the malaria parasites	Dr. Kazhila C. Chinsembu and Dr Mamello Sekhoacha
	Indigenous Knowledge in Reproductive Practices and Health Care: An intergenerational Comparative Study of Namibian and South African Rural Woman	Dr. Nelago Indongo and Prof Kammila Naidoo
12h25 - 12h40	Discussions	All
12h40 - 14h00	<b>Lunch Break</b>	
<b>Progress Reports, theme: Water</b>		
<b>Chair: Mr Johannes Sirunda</b>		
<b>TIME</b>	<b>EVENT</b>	<b>RESPONSIBLE PERSON</b>
14h00 - 14h40	Understanding the interdependence of water resources, climate change and biodiversity in arid to semi-arid regions of Namibia	Dr. Benjamin S. Mapani and Dr Jodie Miller
	Enhancing capacity to access, use and efficiently manage scarce water resources in rural communities: Experiences from Namibia and South Africa	Dr. Alfons Mosimane and Dr Selma Karuaihe
14h40 - 14h55	Discussions	All
<b>Progress Reports, theme: Tourism</b>		
<b>Chair: Dr Mutjinde Katjua</b>		
<b>TIME</b>	<b>EVENT</b>	<b>RESPONSIBLE PERSON</b>
14h55 - 15h15	What works' in HIV and AIDS and the world of work in the Southern African and Namibian tourism industry	Dr. Mogos Teweldemedhin and Dr Dimitri Tassiopoulos

<b>Progress Reports, theme: Environment</b>		
<b>Chair: Dr Mutjinde Katjiua</b>		
TIME	EVENT	RESPONSIBLE PERSON
15h30 - 17h00	Fog Life: Testing climate change responses of fauna of a fog-dependent desert, using lizards as indicator species and Tracking impacts of climate change on the west coast of Southern Africa	Dr. Gillian Maggs-Kölling, Ms Novald Iiyambo and Prof Duncan Mitchell; Dr Mary Seely, Ms Ruusa Gottlieb and Mr Maartin Strauss
	Environmental and anthropogenically-determined spatial and temporal patterns of plant health of <i>Welwitschia mirabilis</i> in the central Namib Desert	Dr. Theodorus Wassenaar and Prof Gert Kruger and Dr Jacques Berner
17h00 - 17h15	Discussions	All
18h00 - 20h00	<b>Event</b>	
<b>END OF DAY 3</b>		

<b>Day 4, Wednesday: 23 September 2015</b>		
TIME	EVENT	RESPONSIBLE PERSON
07h00 - 17h00	Departure of delegates (Researchers)	Secretariat
<b>Namibia / South Africa JTC (Closed meeting)</b>		
<b>Chairperson: Dr. Eino Mvula</b>		
TIME	EVENT	RESPONSIBLE PERSON
10h00 - 12h00	Namibia / South Africa JTC (Closed Meeting)	Namibia & South Africa
<b>Join the National Research Symposium after lunch (23 - 25 September 2015)</b>		

