



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



Weather and Climate Modelling Special Interest Group (SIG) Seminar

01 December 2019

Birchwood Conference Centre, Kempton Park, South Africa

TIME	ITEM	Chair: Dr Bopape
09h00-09h15	Opening, Welcome and Purpose of Seminar	
09h15-09h45	A ConvLSTM Model for the Spatial-Temporal Prediction of Weather	Dr. Yania Molina
09h45-10h30	The ParaCon programme: New approaches for modelling convection	Prof. Robert Plant
10h30-11h00	Group photo & Morning Tea	<i>Chair: Prof. Porto</i>
11h00-11h30	INM RAS-MSU land surface scheme development: physical and computational aspects	Prof. Victor Stepanenko
11h30-11h50	Sensibility study of WRF model on Simulation of Tropical Cyclone IDAI : Mozambique case study	Mr. Hipolito Cardoso
11h50-12h10	Simulation and Assessment of Heavy Rainfall Event Using HPC: Namibian Case Study	Ms. Sieglinde Somses
12h10-12h30	Sensitivity of Dineo simulations to microphysics schemes: Botswana case study	Mr. Charles Molongwane

12h30-13h30	Lunch	<i>Chair: Prof. Stepanenko</i>
13h30-14h00	Analysing and Visualizing Numerical Simulation Data with the SAVIME System	Prof. Fabio Porto
14h00-14h20	Sensitivity of WRF simulations to turbulence: Zambia case study	Mr. David Waitolo
14h20-14h40	Sensitivity of a Heavy rainfall event to resolution over Sun City: South Africa case study	Mr. Gift Rambuwani
14h40-15h00	Sensitivity of WRF simulations to cumulus schemes: Tanzania case study	Mr. Chuki Sangalugembe
15h00-15h30	Afternoon Tea break	<i>Chair:</i>
15h30-16h00	Numerical simulation of geophysical turbulent flows on HPC systems	Dr. Evgeny Mortikov
16h00-16h30	Point Pattern Search in Big Data	Prof. Fabio Porto
16h30-16h40	Remarks from SADC Meteorology	Dr. Arlindo Meque
16h40-17h00	Discussion and closure	
	<u><i>END OF DAY 1</i></u>	

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