

2017 CHPC National Conference

Monday 04 December 2017

Earth Science: I - Satre (13:30-15:00)

-Conveners: Nicolette Chang

time	[id] title	presenter
13:30	[193] High Performance Computing at the South African Weather Service	Dr BOPAPE, Mary-Jane
14:00	[56] South African Record Rainfalls	Mr VERMEULEN, Jan
14:15	[201] Modelling the variability of convection over East Rand South Africa	Mr MBATHA, Sifiso
14:30	[134] Computations on the CHPC: Evaluation of the COSMO model	Mrs MULOVEDZI, patience tlangelani
14:45	[179] Heatwaves in the future warmer climate of South Africa	Mr MBOKODO, Innocent

Tuesday 05 December 2017

Earth Science: II - Satre (11:00-12:40)

-Conveners: Marius Potgieter

time	[id] title	presenter
11:00	[185] Ocean-biogeochemical model sensitivity in the Southern Ocean towards the development of the earth system model, CSIR-VR-ESM	Dr CHANG, Nicolette
11:30	[176] Prospects for improving coastal modelling in the Benguela region	Dr MASHIFANE, Thulwaneng
11:50	[91] Mechanisms of the Sea-Air CO ₂ Flux Seasonal Cycle biases in CMIP5 Earth Systems Models in the Southern Ocean	Mr MONGWE, Precious
12:05	[178] Modelling the low frequency variability of the Indian Ocean.	Mr SOVARA, Mthetho
12:20	[107] Understanding rainfall distribution over the Drakensberg Mountain Range under weak synoptic conditions.	Mr TAKONG, Ridick Roland

Earth Science: III - Satre (13:30-15:00)

-Conveners: Mary-Jane Bopape

time	[id] title	presenter
13:30	[109] Numerical modeling of transients in the solar modulation of astroparticles	Prof. POTGIETER, Marius
14:00	[215] Detailed projections of future climate change over Africa: the Variable Resolution Earth System Model and supercomputing on the CHPC Lengau cluster	Prof. ENGELBRECHT, Francois
14:20	[203] Evaluation of Soil Moisture in the Coupled CCAM-CABLE Model over South Africa Using In-Situ and ESA CCI Satellite Observations	Mr KHOSA, Floyd
14:40	[122] A high performance computing approach to cosmic-ray modulation.	Mr MOLOTO, Katlego