

PROGRAMME: 21 September 2015

| REGISTRATION AND OPENING: | | Chairperson: Stephanie Landman |
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| 07:30 - 08:30 | Registration | |
| 08:45 - 09:00 | Welcome and opening: Prof. Mathieu Rouault (President of SASAS) | |

| SESSION 1: Noteworthy Scientist, Africana | | Chairperson: Stephanie Landman |
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| 09:00 - 09:30 | Key Note address K1: Pappenberger: Supporting sectorial adaptation to climate change through weather forecasts and natural hazard application | S1.1 |
| 09:30 - 09:50 | Rouault: Origin, development and demise of a Benguela Niño in the tropical Atlantic in 2010 and 2011 | S1.2 |
| 09:50 - 10:10 | Venkataraman: A new 2-D scan portable Durban LiDAR for atmospheric studies – system description and first scientific result | S1.3 |
| 10:10 - 10:30 | Engelbrecht F: Antarctic stratospheric ozone and seasonal predictability over southern Africa | S1.4 |
| 10:30 - 11:00 | Tea Break | |

| PARALLEL SESSION 2A: Developing scientist, Africana | | Chairperson: Nita Pienaar |
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| 11:00 - 11:20 | Msomba: Evaluation of the ERA interim precipitation products over eastern Tanzania * | S2A.1 |
| 11:20 - 11:40 | Mpanza: Comparison of January 1981 and January 2014 cut-off low pressure systems * | S2A.2 |
| 11:40 - 12:00 | van Loggerenberg: Microstructure of rainfall events on the southern African Highveld * | S2A.3 |
| 12:00 - 12:20 | Hauptfleisch: Evaluating a rain gauge network's ability to characterize the spatial variability of rainfall * | S2A.4 |
| 12:20 - 12:40 | Swart: Effect of meteorological factors and emission reduction on pollution in the Vaal Triangle Airshed priority area * | S2A.5 |
| 12:40 - 13:00 | | |
| 13:00 - 14:00 | Lunch | |

| PARALLEL SESSION 2B: Developing scientist B, Marlotti | | Chairperson: Dawn Mahlobo |
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| 11:00 - 11:20 | Guehaz: Demonstrating LiDAR technique on forest fire detection in Algiers and Durban: A preliminary study * | S2B.1 |
| 11:20 - 11:40 | Mulumba: Sources contributing to tropospheric ozone production over southern Africa and the adjacent Indian Ocean Islands and their impacts due to climate change. * | S2B.2 |
| 11:40 - 12:00 | Ogunniyi: Temporal variation in solar radiation, UV index and its effect on ozone variations over Durban, South Africa – initial result * | S2B.3 |
| 12:00 - 12:20 | Shikwambana: Five year climatological trends of AOD over coastal and inland towns of South Africa retrieved by MODIS * | S2B.4 |
| 12:20 - 12:40 | Sovara: Simulations of the meridional overturning circulation using the parallel cubic ocean model (PCOM): The spin-up phase * | S2B.5 |
| 12:40 - 13:00 | Schilperoort: The effect of the Agulhas current on SAR derived wind fields * | S2B.6 |
| 13:00 - 14:00 | Lunch | |

| SESSION 3: Recent doctorates, Africana | | Chairperson: Christien Engelbrecht |
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| 14:00 - 14:30 | Keynote address K2: Poolman: Toward impact-based early warning services: forecasting the risk of adverse societal impacts of flash floods | S3.1 |
| 14:30 - 14:50 | Dieppois: Decadal variability of summer southern African rainfall | S3.2 |
| 14:50 - 15:10 | Gierens/Josipovic: Observing the atmospheric boundary layer structure in the Highveld using a ceilometer | S3.3 |
| 15:10 - 15:30 | Malherbe: Acknowledging decadal to intraseasonal variability in support of agriculture – the 2014/15 maize production season | S3.4 |
| 15:30 - 15:50 | Adesina: Variability of aerosol optical depth over Richard's Bay (South Africa) based on MODIS, GOCART and OMI satellite measurements | S3.5 |
| 15:50 – 16:10 | Longandjo: Toward better understanding of interannual rainfall variability over central Africa and its relation with its surrounding tropical oceans | S3.6 |
| 16:10 - 16:30 | Tea | |

| Session 4: Immanent doctorates, Africana | | Chairperson: Lynette van Schalkwyk |
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| 16:30 - 16:50 | Mkhwanazi: Downscaled climate change projections over northeastern South Africa: Implications for streamflow | S4.1 |
| 16:50 - 17:10 | Ngwana: Predictability of synoptic types over southern Africa | S4.2 |
| 17:10 - 17:30 | Nkoana: Last glacial maximum simulations over southern Africa using a variable-resolution global model: synoptic-scale verification | S4.3 |
| 17:30 - 17:-50 | Engelbrecht C: Seasonal forecasting of synoptic type variability: potential intraseasonal predictability relevant to the Cape south coast of South Africa | S4.4 |
| 17:50 - 18:10 | Mpheshea: Predicting the extreme 2015/16 El Niño event | S4.5 |
| 18:10 - 19:00 | Posters viewing, Africana | |
| 19:00 | SASAS CONFERENCE BANQUET: | |

PROGRAMME: 22 September 2015

| SESSION 5: Striking Scientist, Africana | | Chairperson: Coleen Vogel |
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| 08:30 - 9:00 | Key Note address K3: Conway: Climate variability and water resources in Africa | S5.1 |
| 09:00 - 09:20 | Landman: Ranking seasonal rainfall forecast skill of emerging and developing countries | S5.2 |
| 09:20 - 9:40 | Pegram: Comparing interpolated daily gauge rainfall over RSA with TRMM to determine possible bias correction for hydrological applications | S5.3 |
| 09:40 - 10:00 | Moeletsi: Weather effects on maize production in the eastern Free State: Case study of the 2013/14 and 2014/15 agricultural seasons | S5.4 |
| 10:00 - 10:20 | Wright: Solar UVR instrument inter-comparison focussing on measurement interval recording setting and solar zenith angle as important factors | S5.5 |
| 10:20 - 10:50 | TEA BREAK | |

| SESSION 6: Young scientists, Africana | | Chairperson: Rebecca Garland |
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| 10:50 - 11:10 | Phakula: Predictability of the intra-seasonal rainfall characteristics variables over South Africa | S6.1 |
| 11:10 - 11:30 | Dedekind: High resolution rainfall modelling over the eastern escarpment of South Africa | S6.2 |
| 11:30 - 11:50 | Gijben: A lightning threat index for South Africa using numerical weather prediction data | S6.3 |
| 11:50 - 12:10 | Ramkilowan: Application of a commercial Lidar-ceilometer to studies of aerosol in the atmospheric boundary layer | S6.4 |
| 12:10 - 12:30 | Mahlobo: A local diagnosis of the Hadley circulation over South Africa | S6.5 |
| 12:30 - 12:50 | Pienaar: Atmospheric anomalies during the 2012/13 extreme hail season over Gauteng | S6.6 |
| 12:50 - 13:40 | LUNCH | |

| SESSION 7: Health scientist, Africana | | Chairperson: Caradee Wright |
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| 13:40 - 14:00 | Albers: Solar ultraviolet radiation levels measured under umbrellas in relation to ambient conditions and sun angle | S7.1 |
| 14:00 - 14:20 | Oosthuizen: From a historical journey of air pollution to responsible choices that will mitigate climate change and improve the health of the nation | S7.2 |
| 14:20 - 14:40 | John: Understanding of extreme temperature events by environmental health stakeholders in South Africa | S7.3 |

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| 14:50 - 16:00 | Prize giving and SASAS ANNUAL GENERAL MEETING |
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| 16:00 | THANKS AND FAREWELL - |
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| 16:00 - 16:30 | Tea and Game viewing |
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