

South African Astro-informatics Alliance (SA3)

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Abstract

South African astronomy is entering a new era of astronomical research with SALT and MeerKAT/SKA. These new facilities expected to produce huge amount of data and combined with multi wavelength databases that already exists, South African astronomers need to be equipped with latest technologies to deal with new challenges posed by SALT/MeerKAT/SKA. South African Astro-informatics Alliance (SA3) is a collaborative initiative lead by SAAO, SA-SKA and HartRAO to utilize the most recent advancements in IT technology to address many Terabytes of data volume generated by SALT/MeerKAT/SKA along with existing multi-wavelength data archives. In this talk, I present SA3 activities which include the development of a new generation of data archives and tools to address the many Terabytes of data that will be generated by the new South African observing facilities.