

10th Annual Inkaba yeAfrica and !Khure Africa Conference (2014)

Tuesday 30 September 2014

Space: Space Geodesy Session - Conference Room, Matjiesfontein Station (11:30-13:00)

-Conveners: Stoffel Fourie

time	[id] title	presenter
11:30	[0] Dual laser system for the HartRAO Lunar Laser Ranger: design, configuration and expected performance	Mr BOTHA, Roelf C
11:45	[26] Variable link equation parameters and expected photon returns for the HartRAO Lunar Laser Ranger	Mr NDLOVU, Sphumelele
12:00	[25] Optical configuration and optical tests of the HartRAO Lunar Laser Ranger	Ms NKOSI, Nokwazi Purity
12:15	[41] Thermal distortion dynamics of the HartRAO Lunar Laser Ranger optical telescope; impacts on pointing, characterisation and modelling	Mr TSELA, Philemon
12:30	[33] Development of an integrated timing and photon detection system for the HartRAO Lunar Laser Ranger	Mr MUNGHEMEZULU, Cilence
12:45	[28] Implementation and design of a web-based GNSS data management system at Hartebeesthoek Radio Astronomy Observatory (HartRAO)	Ms MASHABA, Zinhle

Space: Matjiesfontein Space Geodesy station - Conference Room, Matjiesfontein Station (14:00-14:45)

-Conveners: Stoffel Fourie

time	[id] title	presenter
14:00	[36] Geotechnical investigations at Matjiesfontein Space Geodesy Observatory for the emplacement of geodetic and geoscience instruments	Mr CROUKAMP, Leon
14:15	[17] Low-level river crossings and erosion repair of the access road for general ease of access and secure transportation of the Lunar Laser Ranger and Radio Telescope equipment to the Matjiesfontein Space Geodesy Observatory	Mr JANSE VAN RENSBURG, Cornel
14:30	[16] Geotechnical Properties and Foundation Requirements of the Lunar Laser Ranger at Matjiesfontein Space Geodesy Observatory	Ms BOTHMA, Susan