

SAIP 2011

Wednesday 13 July 2011

APSS - Acro2 (11:00-12:45)

-Conveners: Christian Engelbrecht

| time | [id] title | presenter |
|-------|---|--------------------------|
| 11:00 | [44] NON-SPECIALIST: The Recommissioning of SALT | Prof. CHARLES, Phil |
| 11:30 | [380] An African VLBI Network of Radio Telescopes | Dr GAYLARD, Michael |
| 11:45 | [38] ThunderKAT: The MeerKAT Large Survey Project for Radio Transients | Prof. WOUDT, Patrick |
| 12:00 | [267] On TeV Gamma-rays from Galactic X-ray Binary Systems with H.E.S.S. array | Mr DAVIDS, Isak Delberth |
| 12:15 | [259] What Can We Learn from Phase Alignment of Gamma-ray and Radio Pulsar Light Curves? | Dr VENTER, Christo |
| 12:30 | [291] Constraining Viewing Geometries of Pulsars With Single-Peaked Gamma-ray Profiles Using A Multiwavelength Approach | Dr SEYFFERT, Albertus |

APSS - Acro2 (13:45-15:30)

-Conveners: Christo Venter

| time | [id] title | presenter |
|-------|--|---------------------------|
| 13:45 | [432] Astrophysics Poster Blitz | |
| 14:15 | [37] Modeling X-ray Emission and the SED of the Binary Radio Pulsar AE Aquarii | Mr ORURU, Bosco |
| 14:30 | [72] Eclipsing Contact Binary Stars – Period Analysis using SuperWASP data | Ms SKELTON, Patricia |
| 14:45 | [79] Photometric solutions of eclipsing binary stars | Prof. SMITS, Derck |
| 15:00 | [323] Pulsating B stars in the LMC | Dr ENGELBRECHT, Christian |
| 15:15 | [258] On the shape of rotating stars. | Mr NICOL, Peter |

Thursday 14 July 2011

APSS - Acro2 (08:00-09:30)

-Conveners: Derck Smits

| time | [id] title | presenter |
|-------|---|------------------------------------|
| 08:00 | [160] CMB Tensor Anisotropies in $f(R)$ Gravity | Mr BOURHROUS, Hassan |
| 08:15 | [320] Searching for signatures of nearby sources of cosmic rays in their local chemical composition | Mr BISSCHOFF, Driaan |
| 08:30 | [78] Numerical modelling of stellar winds for supernova progenitors | Mr VAN DEN HEEVER, Stefanus Petrus |
| 08:45 | [114] Ferromagnetic neutron stars | Mr DIENER, Jacobus |
| 09:00 | [276] The neutron superfluid in the interior of neutron stars. | Mr KEMP, Garreth |
| 09:15 | [304] Strong Gravitational Effects on Pulsar Signals Emanating from Close Compact Binary Systems | Mr TUCKER, Bevan |

APSS - Acro2 (11:00-12:45)

-Conveners: Claude Carignan

| time | [id] title | presenter |
|-------|--|------------------------------|
| 11:00 | [63] Theoretical derivation of an equation for planetary distances from the sun | Prof. WAGENER, Pieter |
| 11:15 | [257] Stellar perturbation via Lie derivatives. | Dr FRESCURA, Fabio |
| 11:30 | [25] Genetic algorithms in astronomy and astrophysics | Mr RAJPAUL, Vinesh |
| 11:45 | [49] Optical study of the Southern high mass star forming region RCW 34 | Mr CZANIK, Robert |
| 12:00 | [28] Properties of the Interstellar medium in nearby galaxies | Mr IANJAMASIMANANA, Roger |
| 12:15 | [157] A Comparison of the THINGS HI and HERACLES CO Velocity Dispersion in Nearby Galaxies | Mr MOGOTSI, Keoikantse Moses |
| 12:30 | [126] Brightest Cluster Galaxies - Ages and metallicities of stellar populations | Ms DANIËL, Viljoen |

APSS - Acro2 (13:45-14:30)

-Conveners: Phil Charles

| time | [id] title | presenter |
|-------|--|-------------------------|
| 13:45 | [433] Space Physics Poster Blitz | |
| 14:15 | [268] Constraining the Phase Space for Chameleon Dark Energy | Mr SIKHONDE, Muzikayise |

Friday 15 July 2011

APSS - Acro2 (08:00-09:30)

-Conveners: Andrew Collier

| time | [id] title | presenter |
|-------|--|-------------------------------|
| 08:00 | [51] Multi-instrument observations of spread F irregularities over South Africa | Mr AMABAYO, Emirant Bertillas |
| 08:15 | [284] Validating The Auroral Zone Lower Ionosphere Model | Mr AFFUL, MICHAEL |
| 08:30 | [39] Campaign for Vicarious Calibration of SumbandilaSat in Argentina | Mr VHENGANI, Lufuno |
| 08:45 | [81] Orbital Environment Risk Assessment for SumbandilaSAT | Mr NWOSA, Chijioke |
| 09:00 | [119] Frequency spectrum of nonlinear electric field structures in a magnetized dusty plasma | Dr MAHARAJ, Shimul Kumar |
| 09:15 | [219] Pc3 pulsations during low density events | Mr LOTZ, Stefan |

APSS - Acro2 (11:00-12:45)

-Conveners: Shimul Kumar Maharaj

| time | [id] title | presenter |
|-------|--|-------------------------|
| 11:00 | [189] NON-SPECIALIST: Cosmic-ray modulation studies – why Parker needed Dirac and Kolmogorov | Prof. BURGER, Renier |
| 11:30 | [191] Solar-cycle dependent relationship between cosmic-ray intensity and the heliospheric current sheet tilt angle | Mr MOLOTO, KATLEGO |
| 11:45 | [54] Evaluation of satellites LAGEOS I and II; general relativistic accelerations in the Schwarzschild field of Earth | Prof. COMBRINCK, Ludwig |
| 12:00 | [11] Lightning induced whistler waves as a cause of electron precipitation | Ms VAN ZYL, Marlie |
| 12:15 | [56] Statistical Analysis of Outer Electron Radiation Belt Dropouts: Geosynchronous and Low Earth Orbit Responses During Stream Interfaces | Mr OGUNJOBI, Olakunle |
| 12:30 | [70] The unusual Seyfert Markarian 926 - a link to the LINERs? | Prof. WINKLER, Hartmut |