08:40 - 09:40	PLENARY (LT1): PROBING THE MYST Prof. Steven M. K	ERY OF DARK ENERGY AHN (Stanford University)		ALAXIES (p 16)	PLENARY (LT1): PROBING THE MYSTERY OF DARK ENERGY WITH BILLIONS OF GALAXIES (p 16) Prof. Steven M. KAHN (Stanford University, California)				
TRACK	Division for Physics of Condensed Matter and Materials (1) LT1	Nuclear, Particle and Radiation Physics (1)	Nuclear, Particle and Radiation Physics (2)	Theoretical and Computational Physics (1)	Photonics 5C	Physics Education	Astrophysics (1)	Astrophysics (2)	Space Science	Applied Physics (1)
Theme Chair	MSc Orals for Award DR. RICHARD HARRIS	LT3 - DR. RICKY SMIT	4A - DR. SAHAL YACOOB	2A - Prof. MURONGA	Beams DR. MCLARAN, MELANIE	2B EDU - 2B MR. RIJSDIJK, CASE	5A PhD Awards - General DR, ABEBE, AMARE	4B Survey data mining; Globular Clusters DR. ODENDAAL, ALIDA	5B Space Geodesy DR. NNDANGANENI. RENDANI	LT2 - DR. WAMWANGI, DANIEL
09:40 - 10:00	Room temperature CH4 gas sensor based on Au loaded ZnO nanorods: The effect of Au loading concentration on sensing properties.	Modelling of Radiological Risks from Gold Mine Tailings in Gauteng Province, South Africa	CHPC WLCG Tier2 status, plans and user analysis	2HDM and the LHC	Hyper-entanglement for secure communication	An overview of the University of the Western Cape Physics Department Physics for teachers' program	Modeling the JVLA primary beam using characteristic basis function	Correlation study of multi-wavelength transient emission of selected CRTS cataclysmic variables	Near-Earth Object Avoidance Mitigation: Profiting One Rock at a Time	Solar water geysers - a South African perspective
	Ms. SHINGANGE, Katekani (CSIR and UFS) MSc 400	Mr. KAMUNDA, Caspah (NWU) PhD 4	MURRAY, Sean (CHPC/UCT) - 417	Mr. MOSOMANE, Chuene (Wits) MSc 35	Mr. NAPE, Isaac (Wits) MSc 120	Dr. HERBERT, Mark (UWC) - 431	Mr. IHEANETU, Kelachukwu (Rhodes University) PhD 105	Ms. SZEGEDI, Helene (UFS) MSc 55	Dr. MACLEOD, Gordon (HartRAO) - 287	Dr. FERRER, Phil (Wits) - 237
40.00 40.20	Effect of Hydrochloric Acid on the Structure, Defect States and Gas Sensing Properties of TiO ₂ Nanotubes by Hydrothermal Method		The search for crystal undulator radiation	Quasinormal modes for a spin-3/2 field in the Reissner-Nordstrom black hole background	Quantum transport with vector beams	Teaching students problem solving with the 'light bulb effect' cognitive diagrammatic representation	Direction Dependent Calibration for the KAT-7 radio data	Getting WISE on Star Formation	Development of an integrated model and system to enable optimal efficiency of the HartRAO LLR system	Hydrogen Fuel Cell Studies Using Neutron Radiography
	Mrs. TSHABALALA, Zamaswazi (CSIR and UFS) MSc 405					Dr. ALBERS, Claudia (WITS) - 133	Mr. KASSAYE, Ermias (Rhodes University) PhD 246		Dr. BOTHA, Roelf (HartRAO) PhD 125	
	Sol-gel Synthesis and Characterization studies of Er ^{3*} doped TiO ₂ nanoparticles	Modelling and measurements of cosmic-ray related muon-fluxes in the Huguenot Tunnel near Paarl	CODE-RADE - Community Infrastructure for the Delivery of Physics Applications	Generalized Geometry and Hopf Twists	A beam quality measure for vector beams	Meeting the World's Needs for 21st Century Science Instruction – a synthesis of research and best practice	Rethinking IIR filters as part of real- time pulsar astronomy	Investigating gamma-ray fluxes from globular clusters	Tube assembly experiments for optimal temperature sensor placement on the HartRAO Lunar Laser Ranger telescope	Physics behind the life cycle and life cycle analysis of artisanal clay brick making
	Mr. TALANE, Tsholo (UNISA) MSc 492	Mr. DAWAM, Robert Rangmou (SU) PhD 463	MURRAY, Sean (CHPC/UCT) - 413	Mr. DLAMINI, Hector (UP) MSc 126	Ms. SROOR, Hend (Wits) PhD 214	Mr. HORSZOWSKI, Peter (PERT INDUSTRIALS) - 522	Mr. JACQUES, Maritz (UFS) PhD 50	Ms. NDIYAVALA, HAMBELELENI (NWU) MSc 144	Mr. TSELA, Philemon (University of Pretoria) PhD 517	Mr. TSHIYOYO, Madjer Monatshiebe (University of Johannesburg) - 509
10:40 - 11:10			Tea & Coffee Break					Tea & Coffee B	reak	
TRACK	Division for Physics of Condensed Matter and Materials (1) LT1	Nuclear, Particle and Radiation Physics (1)	Nuclear, Particle and Radiation Physics (2) LT3	Theoretical and Computational Physics (1) 2A	Photonics 5C	Physics Education 2B	Astrophysics (1) 5A	Astrophysics (2) 4B	Space Science 5B	Applied Physics (1) LT2
Theme Chair	PhD for Award PROF. SWART, HENDRIK	DR. KAR, DEEPAK	DR. MULLINS, SIMON	DR. HOROWITZ, WILLIAM	Ion Trapping DR. DUDLEY, ANGELA	DR. RAMAILA, SAM	Compact Binaries DR. MCBRIDE, VANESSA	OAD: Virtual Observatory DR. BUCKLEY, DAVID	Open session and recent results Dr. MTUMELA, ZOLILE	PROF. DERRY, TREVOR
11:10 - 11:30	Formation of a Thin Film of AB compound Layer at a Low Irradiation Temperature under the Influence of Radiation Induced Interstitial	The Analysis of Zh in association with missing transverse momentum using the CxAOD Framework with the ATLAS detector	Test for traditional vibrational wisdom in 110,112Cd by two proton stripping	Exact Magnon Dynamics	Towards quantum feedback measurements with trapped Yb+ ions	Student understanding of vectors	SILVER MEDALLIST LECTURE: 3D Models of Stellar Wind	Astronomy for a Better World!	Solar Total Irradiance Behaviour during Cycle 23-24	Simple models for cytoskeleton
	Mr. AKINTUNDE, Samuel (University of Pretoria) PhD 100	Mr. MTHEMBU, Skhathisomusa (Wits) MSc 342	Mr. MAQABUKA, Bongani (iThemba LABS / UWC) PhD 59	Prof. DE MELLO KOCH, Robert (Wits) - 230	Dr. KHANYILE, Ncamiso (Stellenbosch University) 481	Mr. JOHN, Ignatius (CPUT) Mr. KUDINHA, Martin (CPUT)		Mr. GOVENDER, Kevindran	Dr. KOTZE, Pieter (SANSA) - 11	Prof. MÜLLER-NEDEBOCK, Kristian (University of Stellenbosch)
11:30 - 11:50	oper nitride nanoparticles fuse a potoelectronic devices	Constraints on new hypothetical particles in the Higgs sector using LHC Run 1 and 2 data	Nuclear structure studies relevant to double beta decay of 136Xe	Anomalous Dimensions of Heavy Operators from Magnon Energies	NON-SPECIALIST LECTURE: Trapped ions for new frontiers in precision measurement	Is the Abstract/Concrete Distinction a Useful Tool in Physics Education Research?		The Virtual Observatory Tools and its benefits	AfriSprite campaign 2015/16	Division Meeting: Applied
	Ms. SPCIOLE, Rudo	Mr. VON BUDDENBROCK, Stefan (Wits) MSc 331	REBEIRO, Bernadette (UWC) PhD 223	Mr. HASINA TAHIRIDIMBISOA, Nirina Maurice (Wits) PhD 166		Mr. SOUTHEY, Philip Mr. SOUTHEY, Philip (UCT)	Dr. MOHAMED, Shazrene (SAAO) - 357	Dr. EL BOUCHEFRY, Khadija (HartRAO) - 51	Mr. NNADIH, Stanislaus (SpaceLab) MSc 21	
	Computational modelling of sulphides mineral (FeS ₂)	Phase-II Upgrade of the ATLAS Inner Detector	Resonances in odd-odd 182Ta	Interacting Double Coset Magnons		Student difficulties with DC circuits: misconceptions or sense-making?	Magnetic Cataclysmic Variables in the Catalina Real-time Transient Survey	Solar Total Irradiance Behaviour during Cycle 23-24	Automated Scheduling for a robotic astronomical telescope	
	Dr. LETSOALO, Thabo (University of Limpopo) - 373	Mr. HAMITY, Guillermo	Mr. BRITS, Christiaan (SU) MSc 67	Mr. MAHU, Augustine Larweh (Wits) PhD 167	Dr. UYS, Hermann (CSIR / SU) - 495		Ms. MOTSOALEDI, Mokhine (SAAO) PhD 434	Dr. KOTZE, Pieter (SANSA) - 11	Mr. MAARTENS, Deneys (SALT) MSc 18	Prof van Dyk, Ernest
12:10 - 13:10	PLENARY (LT1): FIRE, FLARES AND FUSION: SOME WANDERINGS IN PLASMALAND (p 16) Prof. Manfred HELLBERG (UKZN)					PLENARY (LT1): FIRE, FLARES AND FUSION: SOME WANDERINGS IN PLASMALAND (p 16) Prof. Manfred HELLBERG (UKZN) Or. Sam Ramaila				
13:10 - 14:00	Lunch Break (WiPiSA Talk by Prof. Gagnon in LT2)					Lunch Break (WiPiSA Talk by Prof. Gagnon in LT2)				
14:00 - 15:30	ANNUAL GENERAL MEETING (LT1)					ANNUAL GENERAL MEETING (LT1)				
15:30 - 16:00			Tea & Coffee Break			Tea & Coffee Break				
16:00 - 17:30	PHYSICS BOWL Inter-vasity Fastest Fingers First Physics Team Quiz(LT1) GREAT PRIZES: Be seated by 16:00 to be in the lucky draw for a full Mathematica license					PHYSICS BOWL Inter-vasity Fastest Fingers First Physics Team Quiz(LT1) GREAT PRIZES: Be seated by 16:00 to be in the lucky draw for a full Mathematica license				

Conference dinner Thursday 7 July - Jameson Hall

18:30 Arrival 20:00 Awarding of student prizes
Measurement challenge at tables Awarding of Honorary Membership of the SAIP

Awarding of SA Physics Olympiad 2015 Gold Medal

19:00 Welcome by Master of Ceremonies:
Andy Buffler Main course is served
Bootleggers Blues Band

Further welcome by the President of the SAIP:
Azwinndini Muronga
21:30 - Vote of thanks by SAIP2016 Chair, Roger Fearick,

Starter is served
Bootleggers Blues Band
23:39 and hand-over of SAIP mace to SAIP2017
Dessert is served
DJ Rene and DJ Sobsfor

Cancelled / Withdrawn

Santonioa / Witharawii							
Astrophysics (1)	Space Science						
5A	5B						
Characterising new Be/X-ray binaries n the Large Magellanic Cloud	Beam-driven slow and fast electron- acoustic solitons in three-electron temperature space plasmas						
Ms. VAN JAARSVELD, Johanna University of Cape Town) PhD 310	Mr. MBULI, Lifa Nicholas (SANSA / UWC) - 193						
he long-term evolution of the elium nova V445 Puppis							
rof. WOUDT, Patrick University of Cape Town) 62							