2026 African Astronomical Society Conference

Monday, 23 March 2026

Science & Engineering: 1 Cosmology (16:00 - 17:30)

   -Conveners: Kavilan Moodley

time	[id] title	presenter
16:00	[28] Have we found all "Missing baryons" in the cosmic web?	MA, Yin-Zhe
16:15	[115] Testing models for dark matter with extremely high angular resolution imaging of galaxy-scale gravitational lenses	MCKEAN, John
16:30	[124] Propagation of solitons in an obliquely magnetized e-p-i plasma with non-thermal electron and positrons	NAZZIWA, Lukiya
16:45	[264] New Insights on Interacting Dark Energy from DESI DR2 and Pantheon+	VAN DER WESTHUIZEN, Marcel
17:00	[62] Investigating the imprint of quintessence in cosmic magnification	MOHAMED, Enas
17:15	[302] Observations of cosmic reionization with the 21 cm line	BERNARDI, Gianni

Tuesday, 24 March 2026

Science & Engineering: 2 Instrumentation & Other (11:00 - 12:30)

-Conveners: Brian Chaboyer

time	[id] title	presenter
11:00	[60] TART Array Layout Optimization	MOLTENO, Timothy
11:15	[93] Current and future Egyptian observatory facilities and science interests	AZZAM, Yosry
11:30	[55] Chasing Small Near-Earth Asteroids: Rapid Follow-Up and Taxonomic Classification	NGWANE, Thobekile Sandra
11:45	[312] Design and Characterization of a Microstrip Dual Band Switchable Filter on Multilayer Substrate	NDJULUWA, Leokadia
12:00	[173] Detecting Radio Frequency Interference in MeerKLASS Single-Dish Data with the SSINS RFI Flagger	KASSIE, Tamera
12:15	[186] Using the Astrophysics Source Code Library for Education and Research Credit	ALLEN, Alice

Science & Engineering: 3 Galaxies I (14:00 - 15:30)

-Conveners: Christopher Conselice

time	[id] title	presenter
14:00	[172] Optical and near-UV spectroscopic properties of low-redshift jetted quasars in the main sequence context	MENGISTUE, Shimeles
14:15	[112] Unveiling the HI Structure and Dynamics of ESO444-G084 and [KKS2000]23: Insights from MHONGOOSE	NAMUMBA, Brenda
14:30	[250] MIGHTEE: Discovery of a triple-double radio galaxy	RARIVOARINORO, Tombo Fitahiana
14:45	[125] Tracing the Life Cycle of Radio Sources: First Results from the VLBI Lockman Hole Survey	MATSEPANE, Thephilus
15:00	[169] The Environment and Gas Interactions	RAMATSOKU, Mpati
15:15	[102] The Puzzling Properties of a 260-kpc HI Disk Hidden Behind the Galactic Plane	KRAAN-KORTEWEG, Renée C.

Science & Engineering: 4 Galaxies II (16:00 - 17:30)

-Conveners: Jacobus Diener

time	[id] title	presenter
16:00	[295] The Quasar Feedback Survey: Revealing the importance of sensitive radio imaging for AGN identification deeper into the radio-quiet regime	NJERI, Ann
16:15	[348] Multi-Frequency Millimetre Monitoring of 3C 279 with Metsähovi and ALMA, Prospects for the Africa Millimetre Telescope	KATJAITA, Hiiko
16:30	[42] Testing the Merger - AGN - SFR Connection in Dynamically Close Galaxy Pairs	CHISHALA, Josephine
16:45	[204] The Cosmic History of Galaxy Disk Evolution	SHETH, Kartik
17:00	[357] Effects of Observational Limitations on the Kinematic and Mass Modelling of NGC 45	SIMANGO, Yara

| 17:15 | [253] Environmental Dependency of Angular Momentum Content: Insights from Observations and Simulations | SORGHO, Amidou |

Wednesday, 25 March 2026

Science & Engineering: 5 Transients (11:00 - 12:30)

  -Conveners: Patrick Woudt

time	[id] title	presenter
11:00	[192] The Indian Pulsar Timing Array Data Release 2: Dataset Overview, Precision Timing, and New Astrophysical Insights	DEB, Debabrata
11:15	[5] Stellar Occultation Measurements of Asteroids Using the 1.88-m Kottamia Telescope for Diameter and Shape Refinement	MOURSI, Ahmed
11:30	[76] Multiwavelength studies of X-ray binaries	MONAGENG, Itumeleng
11:45	[92] Multi-Faceted Emission Properties of PSR J2129+4119 Observed with FAST	TEDILA, Habtamu Menberu
12:00	[274] A search for and modelling of persistent radio sources associated with Fast Radio Bursts.	MFULWANE, Lebogang
12:15	[330] MeerKAT radio pulsar discoveries in the Large Magellanic Cloud	PRAYAG, Venu

Thursday, 26 March 2026

Science & Engineering: 6 Galaxy Clusters (11:00 - 12:30)

time	[id] title	presenter
11:00	[51] Neutral Hydrogen, HI, in the Shapley Supercluster Core: Environmental Effects on Gas Content and Galaxy Evolution	GWEBUSHE, Lwandile
11:15	[236] Preparing for the SKA Era with Observation-Driven Mock Radio Halo Catalogues	CHATTERJEE, Swarna
11:30	[176] From Simba-C to Athena: Mock X-ray Elemental Abundances in Galaxy Groups and Clusters	HOUGH, Renier
11:45	[15] The Sodium Challenge: New Insights into Disc Separation and Nucleosynthetic Yields	OWUSU, Evans
12:00	[131] New and known mini-halos in the MeerKAT Galaxy Clusters Legacy Survey (MGCLS)	MABOTE, Toivo Samuel
12:15	[110] Comparative Analysis of Galaxies in the Fornax Main Cluster and Fornax A Subcluster	ADAM, Nabeelah

Science & Engineering: 7 Stars and Star Formation I (14:00 - 15:30)

time	[id] title	presenter
14:00	[98] Excited OH masers in star-forming regions	SMITS, Derck
14:15	[165] LIGHT CURVE ANALYSIS OF A RECENTLY DISCOVERED ECLIPSING BINARY STAR: KAO-EGYPT J214258.21+440520.2	
14:30	[72] Modelling Convection and Its Effects in Stellar Pulsation	NTOMBELA, Thembeka
14:45	[68] Probing Flare-Driven disc Chemistry with Chandra and JWST: A New Time-Domain Campaign in Orion	BRUNN, Valentin
15:00	[101] High-resolution observational study of G345.50+0.35 massive star forming region	Ms POPNWIN, Barivure Love
15:15	[313] Connecting star cluster formation and HI dynamics with HST and MeerKAT	RAKOTOTAFIKA, Miora

Science & Engineering: 8 Stars and Star Formation II (16:00 - 17:30)

time	[id] title	presenter
16:00	[226] Chemical Abundances of Planetary Hosts: A Key to Decoding Planetary Formation Pathways	SSEMBATYA, Ronald
16:15	[120] Noise-induced variability in helium burning nucleosynthesis: implications for stellar abundance distributions	NOUH, Mohamed
16:30	[252] The periodic variability of 6.7 GHz methanol masers of massive protostars.	MOGAPI, Elisep
16:45	[191] MeerKAT S-band observations of massive protostars with extended emission in the SARAO MeerKAT Galactic Plane Survey	OBONYO, Willice
17:00	[229] Investigating the role of the galactic environment in star formation with MHD simulations	FAES, Zoe
17:15	[135] Magnetic fields determined by maser polarization in star-forming regions	FALLON, Paul

Friday, 27 March 2026

Science & Engineering: 9 Machine Learning and Techniques (14:30 - 16:00)

-Conveners: Nadeem Oozeer

time	[id] title	presenter
14:30	[136] Using Machine Learning Algorithms to Extract Globular Clusters in Gaia DR3	BALOYI, Nhlengani Junior
14:45	[251] Self-supervised representations for automated astronomical discoveries	MOHALE, Koketso
15:00	[154] Machine Learning Classification of High-Energy GRB Counterparts using Fermi-GBM and LAT Data	ALDOWMA, Tamador Khalil Mansoor
15:15	[66] Machine Learning Based Prediction of Astronomical Seeing Using All-Sky Camera Images and Cloud Sensor Data	NYIDE, Slindile
15:30	[71] OJALA: Optimizing J-PAS Astronomy for Large-scale Analysis, a foundation model for the SED of galaxies, QSO and stars	MARTÍNEZ SOLAECHE, Ginés
15:45	[218] Exploring EnMAP Satellite Hyperspectral Data for Plant Pathogen Detection: A Proposed CNN-ViT Hybrid Deep Learning Framework	ZLOTNIKOVA, Irina