

## Sunday 14 April

- 8:30-9:30 **Arrival**  
16:30-18:00 **Executive Committee Meeting**  
18:00-19:30 **Reception and Registration**

## Monday 15 April

8:30-10:30 **Opening Ceremony**

**Chairs:** T. Khalla, M. Guennoun and Y. Moulane

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| 8:30 - 08:40  | Host Remarks (Prof. Z. Benkhaldoun / Dr M. Elyajouri / Prof A Benhida)                                 |
| 8:40 - 08:50  | University Cadi Ayyad President (Mr. Blaid Bougadir)   |
| 8:50 - 09:00  | FSSM Dean (Mr. Hassan El Mouden)   |
| 9:00 - 09:10  | Vice président/Dean de la FST (Mr. Moha Taourirte)   |
| 8:50 - 09:00  | AfAS President (Prof. Thebe Medupe)  |
| 9:00 - 09:10  | Address from Secretariat host (Mr. Takalani Nemaungani)  |
| 9:10 - 09:20  | ICESCO Director (Dr. Muhammad Sharif)  |
| 9:50 - 10:00  | Message from the President of the International Astronomical Union (IAU)-(Prof. Debra Meloy Elmegreen) |
| 10:00 - 10:10 | Message from the Representative of the European Astronomical Society (EAS)-(Prof. Nabila Aghanim)      |
| 10:10 - 10:20 | Message from the IAU Office of Astronomy for Development (IAU-OAD)-(Mr. Kevin Govender)                |

10:30-11:00 **Coffee Break**

11:00-12:30 **Plenary Session: Science (PSI)**

**Chair:** James Chibueze

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|---------------|--|
| 11:00 - 11:30 | PSI-2 Marisa Geyer: Studying pulsar characteristics and conducting pulsar timing (V) |
| 11:30 - 12:00 | PSI-3 Bernard Foing: International Lunar Exploration (V)                             |
| 12:00 - 12:30 | PSI-4 Zouhair Benkhaldoun: The space sciences: an opportunity for African astronomy  |

12:30-13:30 **Lunch Break**

13:30-15:30 **Parallel Session: Galaxies & AGN and Astronomy Development in Africa**

**Chair:** Kshitij Thorat

**Chair:** Alemiye Mamo Yacob

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|---------------|--|---------------|---|
| 13:30 - 13:45 | SI-1 Sarah White: The brightest (and faintest) sources in the radio sky (V)                          | 13:30 - 13:45 | EDO1-1 Dominic Vertue: Astronomy for Mental Health: The progress, challenges, and barriers to using astronomy as a tool for improving mental health |
| 13:45 - 14:00 | SI-2 Belmahi Hajar: Thermodynamics of AdS black holes from deflection angle                          | 13:45 - 14:00 | EDO1-2 Preethi Krishnamoorthy: Project PANOPTES: A student-led citizen science project in search of exoplanets from your backyard                   |
| 14:00 - 14:15 | SI-3 Bereket Assefa: Emission line properties of AGN in the Lockman-SpReSo survey                    | 14:00 - 14:15 | EDO1-3 Zakaria Belhaj: Astronomy in Moroccan School Curriculum  |
| 14:15 - 14:30 | SI-4 Houda Haidar: Dust in the Wind: A JWST/MIRI survey of polar outflows in nearby Seyfert galaxies | 14:15 - 14:30 | EDO1-4 Anton Binneman: Astro Tourism: Case study Carnarvon Astro guides   |
| 14:30 - 14:45 | SI-5 Mpati Ramatsoku: The Star-Forming Gas Tails of Ram-Pressure Stripped Galaxies                   | 14:30 - 14:45 | EDO1-5 Maaiké Pierik: Perceptions of the societal responsibility of astronomers in the context of the Africa Millimeter Telescope                   |

14:45 - 15:00	SI-6 Casmir Obasi: Searching for globular clusters in the inner halo of the Circinus galaxy	14:45 - 15:00	EDO1-6 Daniel Manama Mokhohlane: Impact of mega astronomy infrastructure projects on development in rural Northern Cape, South Africa
15:00 - 15:15	SI-7 Ann Njeri: The Quasar Feedback Survey: zooming into the core of radio emission.	15:00 - 15:15	EDO1-7 Hassna Chennaoui: Ethics in Public Communication of Science, Vigilance in Scientific Content
15:15 - 15:45	SI-8 Brenda Namumba: HI and Mass Distribution in the Dwarf Irregular Galaxies ESO444-G084 and KKS2000-23	15:15 - 15:30	EDO1-8 Discussion: All participants

### 15:30-16:30 Coffee Break & Poster Session (In Person)

P <sub>1</sub>	Youssef Moulane	1	P <sub>2</sub>	Katlego Mogamisi	2	P <sub>3</sub>	Salah Nasr	3
P <sub>4</sub>	Jamila Chouqar	4	P <sub>5</sub>	Victória Samboco	5	P <sub>6</sub>	Inza Gnanou	6
P <sub>7</sub>	Moses Langa	7	P <sub>8</sub>	Geoffrey Ong'alo	8	P <sub>9</sub>	Abdelmajid Benhida	9
P <sub>10</sub>	Fouad Sefyani	10	P <sub>11</sub>	Abderahmane Soubkriou	11	P <sub>12</sub>	Jamal Chafi	12
P <sub>13</sub>	Thobekile Sandra Ngwane	13	P <sub>14</sub>	Redait Basaznew	14	P <sub>15</sub>	Roberto Rodas	15

### 16:30-18:00 Special Session

Chair: Charles Takalana

Celebrating and Cultivating Africa-Europe Collaborations in astronomy

### 18:00-19:30 Special Session: Variable Stars

Chair: Abdelmajid Benhida

18:00 - 18:15	Invited: Robert Szabo : Variable stars in the era of space photometry and large sky surveys
18:15 - 18:30	Invited: Katrien Charlotte Kolenberg: Variable stars in the Gaia era
18:30 - 18:45	Dorothy Museo Mwanzia: Photometric analysis of variable stars in NGC7209
18:45 - 19:00	Itumeleng Monageng: On the identity crisis of 4UI210-64
19:00 - 19:15	Jean François le Borgne: GEOS RR Lyr database and survey
19:15 - 19:30	Chafaoui Khadija: Spectroscopic Analysis of H $\alpha$ Emission and Shock Waves in R Sct

## Tuesday 16 April

### 8:30-9:30 Plenary Session – Science (PS2)

Chair: Zouhair Benkhaldoun

8:30 - 9:00	PS2-1 Abdelmajid Benhida: Development and Challenges of Astronomy Outreach Programs in Morocco
9:00 - 9:30	PS2-2 Mirjana Povic: Rethinking astronomy in conflict contexts and war anxiety

### 9:30-10:30 Coffee Break & Poster Session (In Person)

P <sub>1</sub>	Youssef El Jariri	1	P <sub>2</sub>	Chrizestom Ssebagala	2	P <sub>3</sub>	Mohammed Sabil	3
P <sub>4</sub>	Hamza Ait Abdelaali	4	P <sub>5</sub>	Hamza El Bahi	5	P <sub>6</sub>	Thomas Shiva	6
P <sub>7</sub>	Toivo Saue Mabote	7	P <sub>8</sub>	Mirjana Povic	8	P <sub>9</sub>	Mehbuba Ahmed Mohammed	9
P <sub>10</sub>	Ayoub Abdou	10	P <sub>11</sub>	Ann Njeri	11	P <sub>12</sub>	Nessaiba Messaadiyene	12
P <sub>13</sub>	Pascal Chardonnet	13	P <sub>14</sub>	Fouad Sefyani	14	P <sub>15</sub>	ELMegder Essadik	15

### 10:30-12:30 Parallel Session: Compact/Binary/Cluster and Innovative Outreach Tools and Initiatives

Chair: Cheikh Bop

Chair: Niruj Mohan Ramanujam

10:30 - 10:45	S2-1 Salma Sylla: Binarity in RR Lyrae stars	10:30 - 10:45	EDO2-1 Timothy Egbum: Citizen Science: A Tool for Astronomy Education, Dark Sky Protection Awareness, Astro-Tourism Development, and SETI
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10:45 - 11:00	S2-2 Innocent Eya: On the pulsar glitch activity: the spin parameters approach	10:45 - 11:00	EDO2-2 Elineema Nassari: Astronomy Outreach at schools
11:00 - 11:15	S2-3 Christian Eze: Characterizing the variability of a sample of massive pulsars in eclipsing binary systems observed with TESS	11:00 - 11:15	EDO2-3 Soukaina Arif: The Exhibit-Museum by AT-TARIK Foundation: a successful Moroccan initiative to promote planetary sciences and meteorite in Morocco.
11:15 - 11:30	S2-4 Dereje Wakgari Amente: Photometric Studies of Contact Binaries in Open Cluster	11:15 - 11:30	EDO2-4 Hassane Darhmaoui: The Expedition of the Ifrane Astronomy Festival: Spreading Astronomy's Popularity in Morocco's Middle Atlas Region
11:30 - 11:45	S2-5 NyAndo Jurice Ralitera: Study of the Short Wait Time Distribution to Uncover The Origins of Fast Radio Bursts	11:30 - 11:45	EDO2-5 Buzani Khumalo: Girls in Astro-Space Science: The continuing effort to bridge the gender gap in basic science education.
11:45 - 12:00	S2-6 Nekolgne Ayman Badolo: The death of stars in binary systems as seen by SPHERE at the VLT (V)	11:45 - 12:00	EDO2-6 Somaya Saad: The Role of Egyptian Astronomical Legacies in Astronomy Education and Outreach (V)
12:00 - 12:15	S2-7 Francesco Coti Zelati: Matter ejections behind the highs and lows of a transitional millisecond pulsar	12:00 - 12:15	EDO2-7 Cosmos Dumba: Astronomy Outreach in Ugandan Secondary Schools
12:15 - 12:30	S2-8 Venu Prayag: TRAPUM search for radio pulsars in the Large Magellanic Cloud	12:15 - 12:30	EDO2-8 Discussion: All participants

**12:30-13:30 Lunch Break**

**13:30-15:30 Parallel Session: Stellar/Planetary Science and Innovative Outreach Tools and Initiatives**

**Chair:** David Baratoux

**Chair:** Maaïke Pierik

13:30 - 13:45	S3-1 Youssef Moulane: Characterizing the aftermath of outbursts of Centaur 29P/Schwassmann–Wachmann 1 with HST/WFC3 and Swift/UVOT	13:30 - 13:45	EDO3-1 Odwa Magabuko: Stars in Their Hands: Igniting Futures with Robotics in the Karoo Outlands
13:45 - 14:00	S3-2 Souleymane Quedraogo: Statistical study of the properties of host stars compared with the entire stellar population in the solar neighbourhood 20 pc	13:45 - 14:00	EDO3-2 Prosperity Simpemba: Scaling Artificial Intelligence in Planetarium Offerings
14:00 - 14:15	S3-3 Abigail Frost: Massive stars from young to old - how using multiple techniques and observatories can let us understand their multiplicity, formation and evolution (V)	14:00 - 14:15	EDO3-3 Getinet Ayane: Impact of teaching astronomy on public television for development of astronomy
14:15 - 14:30	S3-4 Daniel Egbo: Radio Stars in the SARA0 MeerKAT Galactic Plane Survey Point Sources	14:15 - 14:30	EDO3-4 Pranesthan Govende: Illuminating the Future of Digital Learning: Lessons from the AstroQuiz Experience in South Africa
14:30 - 14:45	S3-5 Hamza Ba-mohammed: A Distributed Framework of Exoplanet Detection using Semi-Supervised Machine Learning	14:30 - 14:45	EDO3-5 Tabitha Alango: Using Astronomy as a Tool to Challenge STEM Misconceptions among Students in Kenya
14:45 - 15:00	S3-6 Cheikh Bop: Characterization of star-forming regions using collisional rates	14:45 - 15:00	EDO3-6 Exodus Chun-Long Sit: Bridging Astronomy and the Arts: Exploring Low-Cost STEAM Activities for Outreach
15:00 - 15:15	S3-7 Chrizestom Sebagala: Determination of variability properties of candidate pulsating Am stars	15:00 - 15:15	EDO3-7 Anne Chamberlain: STEM IH Empowering Citizens of Africa to take part in Exoplanet Research
15:15 - 15:30	S3-8 Ahmed Daassou: Monitoring exoplanet candidates TESS from observations using the OWL-Net telescope at the Oukaimden observatory	15:15 - 15:30	EDO3-8 Discussion: All participants

**15:30-16:30 Coffee Break & Poster Session (In Person)**

P <sub>1</sub>	Ola Ali	1	P <sub>2</sub>	Jamal Chafi	2	P <sub>3</sub>	Fatima-Ezzahra Jadid	3
P <sub>4</sub>	Yahya Ladghami	4	P <sub>5</sub>	Petanki Soro	5	P <sub>6</sub>	Jifar Raya	6
P <sub>7</sub>	Shirley Aoko	7	P <sub>8</sub>	Hasnaa Chennaoui	8	P <sub>9</sub>	Mohammed SABIL	9
P <sub>10</sub>	Nouhaila Bouhadi	10	P <sub>11</sub>	Hamza Ait Abdelaali	11	P <sub>12</sub>	Aziza Bounhir	12
P <sub>13</sub>	Miguel Serra-Ricart	13	P <sub>14</sub>	Stephen Sottie	14			

**16:30-18:00 Outreach Public Engagement**



## Wednesday 17 April

### 8:30-9:30 Plenary Session – Science (PS3)

Chair: David Buckley

8:30 - 9:00	PS3-1 Russ Taylor
9:00 - 9:30	PS3-2 Stephanie Milam: Planetary Science with JWST (V)

### 9:30-10:30 Coffee Break & Poster Session (Virtually)

P <sub>1</sub>	Abdeltif Zridi	1	P <sub>2</sub>	Joseph Wise	2	P <sub>3</sub>	Baguima Gilbert Bayala	3
P <sub>4</sub>	Abdoul Ganiyou Tao	4	P <sub>5</sub>	Oswald Didier Franck Grodji	5	P <sub>6</sub>	Sara Khodairy	6
P <sub>7</sub>	Jasmine Khalil	7	P <sub>8</sub>	Mostafa Nasser Ahmed	8	P <sub>9</sub>	Esraa Khafagy	9
P <sub>10</sub>	Tilahun Getachew	10	P <sub>11</sub>	Fithaneges Dagneu	11	P <sub>12</sub>	Ankur Chaubey	12
P <sub>13</sub>	Rabyatalhabesha Bilal Assefa	13	P <sub>14</sub>	Nebiyu Mohammed	14	P <sub>15</sub>	Linus Kweku Labik	15

### 10:30-12:30 Parallel Session: Cosmology and Outreach and Education Efforts Across Africa

Chair: Yin-zhe MA

Chair: Simphiwe Madlanga

10:30 - 10:45	S4-1 Yin-zhe MA: Understanding fundamental physics with South Africa astronomical facilities	10:30 - 10:45	EDO4-1 Bonaventure Okere: Status of Astronomy Development in Nigeria
10:45 - 11:00	S4-2 Ayodeji Ibitoye: Cross-correlation between the thermal Sunyaev-Zeldovich effect and the Integrated Sachs-Wolfe effect (V)	10:45 - 11:00	EDO4-2 Kushatha Ntwaetsile: Public Outreach: The future of Astronomy development in Botswana
11:00 - 11:15	S4-3 Safae Dahmani: Smoothing the Hubble tension with a dynamical dark energy model	11:00 - 11:15	EDO4-3 Noorali Jiwaji: African Inspiration for Recent Progress in Astronomy in Tanzania
11:15 - 11:30	S4-4 Magrach Mounia: Observational tests of a case of $f(R, T)$ modified Gravity	11:15 - 11:30	EDO4-4 Khaled Segni: The status of Astronomy and Astronomical facilities in Tunisia
11:30 - 11:45	S4-5 Shambel Sahlu: Structure growth in $f(Q)$ -gravity	11:30 - 11:45	EDO4-5 Alemiye mamo Yacob: The Glimpse of Astronomy Education and Outreach in Ethiopia and Its Impact on Creating a Scientific Community
11:45 - 12:00	S4-6 Liantsoa F. Randrianjanahary: Cosmological Constraints Using 2- And 3-Point Correlations With Meerkat, The Ska And Other Surveys	11:45 - 12:00	EDO4-6 Deralaza Rafieferantsoa: The National Outreach Committee of the IAU Office for Astronomy Outreach in Madagascar
12:00 - 12:15	S4-7 Feven Markos Hunde: Dark matter subhalo demographics within cosmic web	12:00 - 12:15	EDO4-7 Amjed Khurwat: A Message of Peace through Astronomy: Insights from the First Space Camp in Libya
12:15 - 12:30	S4-8 Hassan Abdalla: Investigating the Frontiers of Fundamental Physics and Cosmology Through Gamma-Rays in the CTA Epoch	12:15 - 12:30	EDO4-8 Discussion: All participants

### 12:30-13:30 Lunch Break

### 13:30-15:30 Parallel Session: Galaxy Clusters and Outreach and Education efforts in African Organisations

Chair: Ann Njeri

Chair: Hasnaa Chennaoui

13:30 - 13:45	S5-1 Keegan Trehaeven: Unveiling large scale structure formation in the nearby Universe. The spectacular case of the Shapley Supercluster	13:30 - 13:45	EDO5-1 Daniel Cunnam: Advancing Astronomy in Africa: The Role of SAAO
13:45 - 14:00	S5-2 Malebo Moloko: MeerLIRGs: A MeerKAT 1.28 GHz study of local Luminous Infrared galaxies in the southern hemisphere	13:45 - 14:00	EDO5-2 Olayinka Fagbemi: Empowering Marginalized Communities through Inclusive Astronomy Education: Lessons from Astronomers Without Borders Nigeria
14:00 - 14:15	S5-3 Rosalind Skelton: Environmental effects on galaxies	14:00 - 14:15	EDO5-3 Sylvain Bouley: African outreach activities of the French Astronomical Society
14:15 - 14:30	S5-4 Narges Hatamkhani: AGN activity in brightest cluster galaxies at 0.3	14:15 - 14:30	EDO5-4 Niruj Mohan Ramanujam: Lessons from an institutional outreach program

14:30 - 14:45	S5-5 Kshitij Thorat: A MeerKAT view of X-shaped Radio Galaxies	14:30 - 14:45	EDO5-5 Mohamed Aoudjehane: Attarik Foundation: A Meteoritics And Planetary Science Dissemination Initiative
14:45 - 15:00	S5-6 Amirnezam Amiri: A new multi-cloud method to accurately model emission lines in star-forming galaxies	14:45 - 15:00	EDO5-6 Jamal Mimouni: High Energy Physics & Astrophysics Masterclasses for High School Students
15:00 - 15:15	S5-7 Eslam Elhosseiny: Micro-Variability Monitoring of Blazar S5 O764 Using Multi-Band Optical Photometry	15:00 - 15:15	EDO5-7 Bénite Tantely: Promoting women in Astronomy through the annual celebration of the International Day of Women and Girls in Science (IDWGS)
15:15 - 15:30	S5-8 Notahiana Ranaivoharimina: Exploring the thickness of galaxy disks in HI	15:15 - 15:30	EDO5-8 Discussion: All participants

### 15:30-16:30 Coffee Break & Poster Session (Virtually)

P <sub>1</sub>	Priya Shah	1	P <sub>2</sub>	Syed Najamul Hasan	2	P <sub>3</sub>	Muchammad Toyib	3
P <sub>4</sub>	Biagio Ambrosio	4	P <sub>5</sub>	Dorothy Museo Mwanzia	5	P <sub>6</sub>	Douglas Manasi	6
P <sub>7</sub>	Miora Mbolatiana Randrianasy	7	P <sub>8</sub>	Nancy Julianna Tovolahy	8	P <sub>9</sub>	Faical Barzi	9
P <sub>10</sub>	Johanne Ekue	10	P <sub>11</sub>	Youssef Errazzouki	11	P <sub>12</sub>	Patrick Okezuonu	12
P <sub>13</sub>	Chukwuebuka Ugwu	13	P <sub>14</sub>	Sam Samuneti	14	P <sub>15</sub>	Ernest Benjamin Ikechukwu Ugwu	15

### 16:30-18:00 Special Session: The SKA Observatory: status update and opportunities

Chair: Shari Breen

16:30 - 16:45	Lindsay Magnus: Introduction and overview of the SKA Observatory
16:45 - 17:00	Tracy Cheetham: Construction status of the SKA
17:00 - 17:15	Tyler Bourke: The Square Kilometre Array - Science and Status
17:15 - 17:30	Shari Breen: Science operations update, timelines to Science Verification and Cycle 0
17:30 - 17:45	Sharmila Goedhart: Science operations and observing opportunities with the SKA telescopes
17:45 - 18:00	Thijs Geurts and Rob Adam: International relations and engagement with African countries

### 18:00-19:30 Sessions: Host Session: Space Debris and Satellites and Special Session : Astronomy Education in Africa

Chair: Boskri Abdelkarim

Chair: Mirjana Povic

18:00 - 18:20	Invited: Piero Benvenuti : Preservation of the dark and quiet sky	18:00 - 18:30	Saalih Allie: Astronomy Education Research
18:20 - 18:40	Invited: Meridith Rawls : Impacts of Bright Satellites on Ground-Based Optical Astronomy and Our Sky	18:30 - 19:00	Somaya Saad: Astronomy Education across different cultures
19:40 - 19:00	Invited: Vladimir Agapov: Overview of the results of monitoring of space debris in 2023-2024 by optical instruments operated by Astronomical Scientific Center		
19:00 - 19:20	Invited: Julien Cantegreil	19:00 - 19:30	Linda Strubbe: Astronomy Educators
19:20 - 19:30	Yannis Zancanaro: Enhancing Space Traffic Management in Africa: Collaborative Innovations in Ground-Based Facilities and Data Processing		
19:30 - 19:40	Hamid Idelbacha: Detection and Classification of Orbital Anomalies using Machine Learning Models		

## Thursday 18 April

### 8:30-9:30 Plenary Session – Education (PS4)

Chair: Yosri Azzam

8:30 - 9:00	PS4-1 Mike Simmons
9:00 - 9:30	PS4-2 Sinenhlanhla Sikhosana

### 9:30-10:30 Coffee Break & Poster Session (Virtually)

P <sub>1</sub>	Chioma Okany	<b>1</b>	P <sub>2</sub>	Eugene Idogbe	<b>2</b>	P <sub>3</sub>	Steven Elijah	<b>3</b>
P <sub>4</sub>	Peter Ofor Onubi	<b>4</b>	P <sub>5</sub>	Abdoulaye Abdoulaye	<b>5</b>	P <sub>6</sub>	Mamadou Mahamat Djabbi	<b>6</b>
P <sub>7</sub>	Jc Viljoen	<b>7</b>	P <sub>8</sub>	Simthembile Dlamini	<b>8</b>	P <sub>9</sub>	Unnikrishnan Sureshkumar	<b>9</b>
P <sub>10</sub>	Sthabile Kolwa	<b>10</b>	P <sub>11</sub>	Sindhu Gaddam	<b>11</b>	P <sub>12</sub>	Ayodele Periola	<b>12</b>
P <sub>13</sub>	Dorothy Mlambo	<b>13</b>	P <sub>14</sub>	Basia Nasiorowska	<b>14</b>	P <sub>15</sub>	Karabo Rantwane	<b>15</b>

### 10:30-12:30 Parallel Session: Galaxies and Others

Chair: **Rosalind Skelton**

Chair: **Salma Sylla**

10:30 - 10:45	S6-1 Jack Radcliffe: Opening up the sky at the highest of resolutions	10:30 - 10:45	S7-1 Sam Samuneti: Testing the Rigidity Dependence of Galactic Cosmic Ray Intensity Variation using Algorithm-Selected Forbush Decreases
10:45 - 11:00	S6-2 Ogochukwu Chibueze: Multi-wavelength study of blazars at redshift $z > 1$ observed by HESS	10:45 - 11:00	S7-2 Dalale Mhamdi: Comparing phantom dark energy models with statefinder diagnostic tool
11:00 - 11:15	S6-3 Munira Hoosain: Tracing HI in Galaxies in the Cosmic Web with ECO	11:00 - 11:15	S7-3 Osama Shalabiea: Interstellar Space Chemistry: An Overview
11:15 - 11:30	S6-4 Julius Matthew: On The Extended Unification Scheme Of Narrow Line Seyfert I Galaxies And Blazars	11:15 - 11:30	S7-4 Albert Kuntu Forson: Design And Development Of A L-Band Four-Element Interferometer For The Study Of Galactic Neutral Hydrogen Emission
11:30 - 11:45	S6-5 James Chibueze: Polarization observation of MRC 0600-399 with MeerKAT	11:30 - 11:45	S7-5 Soebur Razzaque: Multiwavelength emission from Gamma-Ray Bursts
11:45 - 12:00	S6-6 Harris Yao Fortune Marc: Dsentangling Star Formation And Agn Activity In The Gama (G23 Region)	11:45 - 12:00	S7-6 Ambrose Eze: Accretion Flow Geometry And Dynamics Of Maxij1535-571 During The Hard-Intermediate State.
12:00 - 12:15	S6-7 Vasco Cossa: Searching for high-redshift radio galaxies with the MeerKAT Galaxy Cluster Legacy Survey	12:00 - 12:15	S7-7 Hayat Laassiri: Thermodynamics of Charged Anti-de Sitter Black Holes in Rastall Gravity
12:15 - 12:30	S6-8 Shimeles Mengistue: Quasar 3C 47: Extreme population B jetted source with double-peaked profile	12:15 - 12:30	S7-8 Calvince Juma: Characterisation of CORNISH-south Ultracompact HII regions Sample using The MeerKAT

### 12:30-13:30 Lunch Break

### 13:30-15:30 Parallel Session: Transients and Others

Chair: **Charles McGruder**

Chair: **Jamal Mimouni**

13:30 - 13:45	S8-1 David Buckley: The Status of the African Integrated Observation System	13:30 - 13:45	S9-1 Evans Kojo Owusu: The elemental abundances of sodium in GALAH DR3 provide a more accurate tracer of the young and old sequences in the Milky Way at the same metallicity and age.
13:45 - 14:00	S8-2 Michelle Lochner: Enabling New Discoveries with Machine Learning	13:45 - 14:00	S9-2 Sivakumar Venkataraman: National Astrophysics and Space Science Programme
14:00 - 14:15	S8-3 Mario Accolla: Stardust machine: a foundry of cosmic dust analogues	14:00 - 14:15	S9-3 Koketso Mophahlane: HI Observation of the Norma Galaxy Cluster with the MeerAT telescope
14:15 - 14:30	S8-4 Kira Hanmer: Searching for an optical counterpart to FRBs	14:15 - 14:30	S9-4 Syrine Sbaa : AI-Powered Breakthroughs in Astrophysical Analysis
14:30 - 14:45	S8-5 Mohammed Sabil: Oukaimeden Observatory: Update of astronomical Seeing	14:30 - 14:45	S9-5 Nomthendeleko Motha: Leveraging the synergy between radio and optical data
14:45 - 15:00	S8-6 Encarni R. Colmenero: Updates from the Southern African Large Telescope	14:45 - 15:00	S9-6 Yosri Azzam: Retrofitting Kottamia Faint Object Imaging Spectro-Polarimeter (KFISP)
15:00 - 15:15	S8-7 El Mehdi El Hachimi: Petrographical, mineralogical and geochemical study of the meteorite Gueltat Zemmour Morocco, observed fall in August 2018	15:00 - 15:15	S9-7 Simphiwe Madlanga: Evolution and sustainability of Radio Astronomy facilities through co-location and collaboration for the benefit of the African continent
15:15 - 15:30	S8-8 Benard Nsamba: Inference of stellar core sizes in the absence of seismic data	15:15 - 15:30	S9-8 Mercy Mooketsi-Kobe: Comprehensive Analysis of Selected candidate binary stars in the TESS Field (V)

### 15:30-16:30 Coffee Break & Poster Session (Virtually)



P <sub>1</sub>	Abduljalol Safarov	<b>1</b>	P <sub>2</sub>	Feyda Srarfi	<b>2</b>	P <sub>3</sub>	Ronald Ssembatya	<b>3</b>
P <sub>4</sub>	Selassie Karobwa	<b>4</b>	P <sub>5</sub>	Vassilios Spathopoulos	<b>5</b>	P <sub>6</sub>	Chidi Joseph Nicholas	<b>6</b>
P <sub>7</sub>	Mercy Akintola	<b>7</b>	P <sub>8</sub>	Feyiso Sado	<b>8</b>	P <sub>9</sub>	Shirley Aoko	<b>9</b>
P <sub>10</sub>	Mohamed Nouh	<b>10</b>	P <sub>11</sub>	Meron Bekabil	<b>11</b>	P <sub>12</sub>	Sukuma Mkhize	<b>12</b>
P <sub>13</sub>	Gemechu Kumssa	<b>13</b>	P <sub>14</sub>	Husseinat Etti-Balogun	<b>14</b>	P <sub>15</sub>	Mohammed Eldaw	<b>15</b>

### 16:30-18:00 Special Session (SS6): Planetary Science in Africa and TownHall

Chair: Youssef Moulane

Chair: Sally Macfarlane

16:30 - 16:45 Invited: David Baratoux: The Africa Initiative for Planetary and Space Science – Achievements and perspectives

16:30 - 18:00 Leveraging the Power of Hackathons to Address Development Challenges Across Africa

16:45 - 17:00 Invited: Mohamed R. El-Maarry: Small bodies in our solar system: Current state of knowledge and the path forwards

17:00 - 17:15 Mourad Gachoui: TESS mission and discovery of super-Earths

17:15 - 17:30 Abdoul Ganiyou Tao: Comparative distribution of impact craters as a function of altitude on Earth and Mars.

17:30 - 17:45 Said Hmiddouch: Activity and composition of five bright long period comets from photometry and long-slit spectroscopy.

17:45 - 18:00 Meryem Guennoun: Linking Meteor Orbits to Asteroidal Parent Bodies

### 18:00-19:30 Special Session (SS7)

Chair: Kevin Govender

18:00 - 19:00 IAU-GA2024: Crafting a Legacy of Accessibility, Impact, and Sustainability for Astronomy in Africa

### 19:30-22:00 Conference Dinner

**Friday 19 April**

### 8:30-9:30 Special Session: Session (SS8)

Chair: Hassane Darhmaoui

8:30 - 09:00 George Miley: The Lofar Global Citizenship Radio Array - "GLORAY"

9:00 - 09:30 Mirjana Povic: Work and achievements of women in astronomy in Africa

9:30 - 10:00 Thembela Mantungwa: Managing Issues for effective interaction with the African Community

### 9:30-10:30 Coffee Break

### 10:30-12:30 AfAS Business Meeting

### 12:30-13:30 Lunch Break

### 13:30-15:30 Workshop

Chair: Preethi Krishnamoorthy

14:00 - 15:30 Monitoring the variable sky with wide angle robotic imaging: PANOPTES data reduction workshop

### 15:30-16:30 Coffee Break

### 16:30-18:00 Round-table

Chair: Zouhair Benkhaldoun

15:30 - 17:00 Building the Next Generation of Telescopes in Africa

### 18:00-19:30 Workshop

Chair: Encarni Romero Colmenero

17:00 - 19:30 SALT proposal preparation workshop

## Saturday 20 April

### 8:30-9:30 Excursion to Oukaïmeden Observatory

9h00:12h00	Departure to Oukaïmeden observatory
12h30:13h30	Lunch
15h00:15h40	Talk: Oukaïmeden Observatory and its discoveries (Youssef Moulane)
15h00:18h00	Visiting the Oukaïmeden Observatory
19h30h20h00	Dinner
21h00h23h00	Stargazing

## Overview

The AfAS annual conference and business meeting, AfAS2024, will be held in Marrakech, Morocco from April 15-20, 2024. This conference aims to advance the objectives of AfAS and its science strategy by focusing on astronomy research, outreach, communication, and education activities in Africa and promoting collaboration among countries. Hosted by Cadi Ayyad University and the Oukaïmeden Observatory, the conference will be co-organized with the involvement of AfAS committees and partners.

### Organizer



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