



BRICS Astronomy Workshop in Umhlanga, South Africa, 29-30 October 2018

Day Zero - Sunday, October 28 (BAWG OPENING DINNER)

15h00 – 18h00	Arrival, Registration and Reception
19h00 – 19h05	Welcome and introduction of the DG: Dr Thomas Auf der Heyde
19h05 – 19h15	Official opening address: Dr Phil Mjwara
19h15 – 22h00	Dinner

Day One - Monday, October 29 Session 1: India (TBA)

08h30 – 09h15	Tea and Registration
09h15 – 09h30	Opening Ceremonies (Opening Address: Dr Thomas Auf der Heyde)
09h30 – 09h40	Group Photo
09h40 – 10h05	BRICS STI Agenda, Resolutions and Funding Instruments (Dr Arendse Neville, BRICS Coordinator, South Africa)
10h05 – 10h30	Overview and Status of the BRICS Astronomy initiative (Mr Takalani Nemaungani, BRICS Astronomy Secretariat, South Africa)
10h30 – 10h55	BRICS Astrophysics, Cosmology and Gravity group (Yin-Zhe Ma – UKZN)
10h55 – 10h20	BRICS Big Data (Dr Bernie Fanaroff – BRICS Big Data chair)
10h20 – 10h45	Space (Amal Khatri – BRICS Space science chair)
10h45 – 11h05	Tea

Session 2: Mr Takalani Nemaungani

11h05 – 11h30	Understanding the Nature of the Transient Universe (Dr. David A.H. Buckley - SAAO)
11h30 – 11h55	Supercomputers for simulations to tackle outstanding questions in star-formation to make predictions (Prof. Lerothodi Leeuw – UNISA)
11h55 – 12h20	Collaboration for the development of Information Technology and High

*** The time allocated for presentations of proposals is 15 minutes followed by 10 minutes for discussion**

	Performance Computing Solutions (HPC) solutions to address big data processing and analytics in astronomy (Prof. Russ Taylor – UCT-UWC-IDIA)
12h20 – 12h45	What is the mysterious dark energy that is accelerating our Universe today? (Prof. Aroonkumar Beesham – University of Zululand)
12h45 – 14h00	Lunch

Session 3: China (TBA)

14h00 – 14h25	Observations of the 21-cm line from the neutral hydrogen at the early Universe (Prof. Yin-Zhe Ma – UKZN)
14h25 – 14h40	RAGED – Radio Academy for Galaxy Evolution and Dynamics (Dr. Gyula I.G. Jozsa – SARAO)
15h05 – 15h30	Africa2Moon (TBA – Foundation for Space Development)
15h30 – 15h50	Tea

Session 4: Brazil (TBA)

15h50 – 16h15	Baryon acoustic oscillations In Neutral Gas Observations (BINGO) (Prof. Elcio Abdalla / Prof. Carlos Alexandre Wuensche)
16h15 – 16h40	Russian Proposal (TBA)
16h40 – 17h00	Wrap-up of day one
19h00 – 21h00	Dinner

Day Two – Tuesday, October 30

Session 1: Russia (TBA)

09h30 – 11h00	Consolidate and Reflect on proposals
11h00 – 11h20	Tea
11h20 – 12h00	Way forward
12h00 – 13h00	Lunch
13h00	Excursion
19h00 – 22h00	Dinner

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**4th BRICS Astronomy Working Group Meeting (BAWG) in Umhlanga,
South Africa, 31 October 2018**

***Chair of the Working Group: Dr Thomas Auf der Heyde, Deputy-Director General,
Department of Science and Technology (South Africa)***

08h30 – 09h00	Arrival and Registration
09h00 – 09h05	Opening remarks by the Chair
09h05 – 09h10	Welcoming remarks by the host – (Name), Ministry of Science and Technology, National Research Foundation (NRF)
09h10 – 09h20	Remarks by (Country) (current BRICS Summit Chairperson) – (Name and Position)
09h20 – 09h25	Apologies and approval of the agenda
09h25 – 09h35	Feedback on the implementation of the Resolutions of the 3rd BAWG by the Secretariat - Mr Takalani Nemaungani, DST, South Africa
09h35 – 09h40	Resolutions of the 2nd BAWG and any matters arising
09h40 – 09h55	Discussion
09h55 – 11h25	High-level presentations on “Latest developments in Astronomy and future plans for the next three years” by each country (15 minutes each): <ul style="list-style-type: none"> • Brazil • Russia • India • China • South Africa
11h25 – 11h45	Tea/Coffee Break
11h45 – 12h15	Discussion of submitted BRICS Astronomy project proposals
12h15 – 13h30	Discussion
13h30 – 14h30	Lunch
14h30 – 15h00	Discussion

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15h00 – 16h00	Feedback and information on projects chosen for support in response to 2017 call, 10 minutes per Country.
16h00 – 16h20	Tea
16h20 – 16h50	Drafting and endorsement of the Resolutions of the 4th BWAG meeting
16h50 – 17h00	Closing remarks by the host and chair

*** The time allocated for presentations of proposals is 15 minutes followed by 10 minutes for discussion**