Session Program

23–27 Nov 2026



South African Gravity Society Conference 2026 (SAGS2026)

Plenary

University of Cape Town, Mathematics 304
Rondebosch, Cape Town, 7700

Monday 23 November

09:00

Plenary: Martin Bucher

Session | **Location:** University of Cape Town, Mathematics 304 , Rondebosch, Cape Town, 7700 | **Convener:** Prof. Sudan Hansraj

09:45–10:00 **New Abel differential equation in Einstein Gauss Bonnet gravity**

10:00–10:15 **New Solutions for Charged Gravitating Objects in EGB Gravity**

10:15–10:30 **IMBH search with MPTA binary pulsars**

10:30

Tuesday 24 November

09:00

Plenary: Julio Arrechea

Session | **Location:** University of Cape Town, Mathematics 304 , Rondebosch, Cape Town, 7700

09:00–09:15

Investigating the Effects of Various Statistical Model Fitting Criteria in Kosmulator

Speaker
Christoffel Schoeman

09:15–09:30

Revisiting $f(R)$ gravity with an updated Kosmulator: towards current constraints on the Hu-Sawicki and Starobinsky models

Speaker
Dr Renier Hough

09:30–09:45

Probing Late-Time Cosmology with Fast Radio Bursts: Implications for the Hubble Tension

Speaker
Surajit Kalita

10:30

Wednesday 25 November

09:00

Plenary: Nigel Bishop

Session | **Location:** University of Cape Town, Mathematics 304 , Rondebosch, Cape Town, 7700 | **Convener:** Muzikayise Sikhonde

09:00–09:15 **Viscous dissipation of gravitational wave energy**

Speaker
Monis Naidoo

09:15–09:30 **Gravitational Waves in the Interaction Theory of Gravitation**

Speaker
Langa Horoto

09:30–09:45
Progression on Relativistic Wave Equations for the Photon and Graviton

Speaker
Riyaadh Jamodien

10:30

Thursday 26 November

09:00

Plenary: Nelson Pinto-Neto

Session | **Location:** University of Cape Town, Mathematics 304 , Rondebosch, Cape Town, 7700

09:00–09:15

Constraining inflationary models via de-Sitterization of Bianchi Cosmologies

Speaker
APURBA SAMANTA

09:15–09:30

A Dynamical Systems Approach to Higher-Dimensional Einstein-Gauss-Bonnet Cosmology

Speaker
Aavishkar Madhunlall

09:30–09:45

Phase-Space Dynamics of an Inhomogeneous Cosmology with Non-Minimal Coupling

Speaker
Edmund Kyazze

10:30

Friday 27 November

09:00

Plenary: Rituparno Goswami

Session | **Location:** University of Cape Town, Mathematics 304 , Rondebosch, Cape Town, 7700

09:00–09:15 **The Cosmology of Interacting Vacuum Models**

Speaker
Olebogeng Tlhapane

09:15–09:30

Bayesian component separation and power spectrum estimation for observational HI intensity mapping data cubes

Speaker
Caelin Block

09:30–09:45 **Two powers, one scalar field: Unifying early and late dark energy**

Speaker
Bikash Ranjan Dinda

10:30