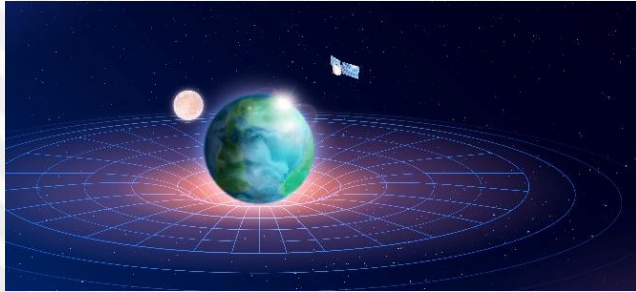


32ND CHRIS ENGELBRECHT SUMMER SCHOOL 2024

## RECENT TRENDS IN GRAVITATION



**Alpine Heath Resort and  
Conference Centre,  
Drakensberg,  
South Africa**

**31 March-7 April 2024**

This School will provide a platform for emerging researchers, postdoctoral fellows and established academic staff to physically interact and collaborate. The aim is for emerging researchers to see their contributions as part of the broader scientific landscape. Discussion sessions, focusing on the link between different branches of mathematics and physics, are an integral part of the workshop. The programme will allow plenty of opportunity for delegates to reflect and interact, generate greater collaboration and identify new research directions.

As a publicly funded institution, NITheCS supports the transformation of South Africa, and persons from previously disadvantaged backgrounds are highly encouraged to submit their applications. There is a limited number of scholarships available to provide financial assistance to attend the School.

The closing date for registration is **28 February 2024**.

### SPEAKERS

- Zurab Janelidze (Stellenbosch University)
- Rituparno Goswami (University of KwaZulu-Natal)
- Jacek Banasiak (University of Pretoria)
- Aroon Beesham (Mangosuthu University of Technology)
- Naresh Dadhich (Inter-University Centre for Astronomy and Astrophysics)

### SCHOOL TOPICS

*The lectures are to be in the areas of:*

- Mathematics of manifolds and categories
- Semi-tetrad covariant methods in astrophysics and cosmology
- Modelling and dynamical systems
- Bulk viscosity and thermodynamics
- From Newton to Einstein

### ORGANISING COMMITTEE

- Sunil Maharaj (University of KwaZulu-Natal) - Chair
- Francesco Petruccione (University of Stellenbosch)
- Sfundo Gumede (Mangosuthu University of Technology)
- Sifiso Ngubelanga (Durban University of Technology)
- Pedro Mafa Takisa (University of South Africa)

### ATTENDANCE QUERIES

Please email Laila Gurudas: [laila.gurudas@nithecs.ac.za](mailto:laila.gurudas@nithecs.ac.za)

### HOW TO APPLY

Please complete and submit our form by 28 Feb 2024 at:  
<https://bit.ly/47oj3dE>

