



PRESIDENCY UNIVERSITY  
KOLKATA

ORGANIZED  
BY

The Department of  
Mathematics  
Presidency  
University,  
Kolkata, India.

# INTERNATIONAL WORKSHOP

ON  
EMERGING TRENDS IN  
GRAVITATION AND COSMOLOGY  
**IWETGC – 2021 (Online)**

**DATE: 16<sup>TH</sup> TO 19<sup>TH</sup> DECEMBER, 2021**

## Convenors



Dr. Supriya Pan



Dr. Subhra Bhattacharya

Contact: [events.maths@presiuniv.ac.in](mailto:events.maths@presiuniv.ac.in)

## Organizing Committee

1. Prof. Avishek Adhikari
2. Dr. Angsuman Das
3. Dr. Arnab Mandal
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5. Dr. Kuntal Banerjee
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7. Dr. Pampa Paul
8. Dr. Ritu Sen
9. Dr. Shubhabrata Das
10. Dr. Subhas Khajanchi
11. Dr. Tapan Saha

## About the Workshop

The aim of the workshop is to offer an essence of gravitation and cosmology to the undergraduate students, postgraduate students, PhD scholars, Postdoctoral fellows and young faculty members. The workshop will include a series of lectures on various emerging areas of gravitation and cosmology. The focus areas are - general relativity, dark energy, modified gravity theories, dynamical systems in cosmology, bouncing cosmology, neutrinos in cosmology, Hubble constant tension, current and future prospects of the gravitational waves.

## Our Speakers

- ❖ Prof. Subenoy Chakraborty, Jadavpur University, India
- ❖ Prof. David F. Mota, University of Oslo, Norway
- ❖ Prof. Anne Christine Davis, University of Cambridge, UK
- ❖ Prof. Alessandro Melchiorri, University of Rome, Italy
- ❖ Prof. Paolo Salucci, SISSA, Italy
- ❖ Dr. Emmanuel Saridakis, National Observatory of Athens, Greece
- ❖ Dr. Spyros Basilakos, Academy of Athens, Research Center for Astronomy and Applied Mathematics, Greece & National Observatory of Athens, Greece
- ❖ Dr. Weiqiang Yang, Liaoning Normal University, P. R. China
- ❖ Dr. Eleonora Di Valentino, University of Sheffield, UK
- ❖ Dr. Olga Mena, IFIC, Universidad de Valencia-CSIC, Spain
- ❖ Dr. Andronikos Paliathanasis, Durban University of Technology, South Africa
- ❖ Dr. Yi-Fu Cai, University of Science and Technology of China, P. R. China
- ❖ Dr. Sumanta Chakraborty, Indian Association for the Cultivation of Science, India
- ❖ Dr. Rafael C. Nunes, Inst. Nacional de Pesquisas Espaciais, INPE, Brazil
- ❖ Dr. Genly Leon, Universidad Catolica del Norte, Chile
- ❖ Dr. Nicola Tamanini, Universite de Toulouse, France



## Instructions

Applications are invited from interested students, PhD scholars, postdoctoral fellows and faculty members. Registration is free. Interested candidates are requested to register (**Deadline: December 10, 2021**) through the following link

**For Registration: <https://forms.gle/jVpJMTBaViWkismP7>**