

Mini-Symposium on Astrophysics and Cosmology November 26, 2019

National Centre for Physics, Islamabad, Pakistan

Introduction

The field of Astrophysics and Cosmology has grown a lot past few decades. The experimental the over as well as future breakthroughs in recent years international collaborations have gathered great interest in these exciting areas of Astrophysics and Cosmology. The purpose of this symposium is to provide an overview to interesting areas of Astrophysics and Cosmology. The aim is to foster discussion about interesting topics such as black holes, exo-planets, dark matter and dark energy through a small number of invited talks and discussions. There will be a special talk by Mansoor Ahmed on different NASA space missions as the Dragonfly mission to Titan, the largest moon of Saturn. Dr. Jennifer Wiseman will talk about dark matter and dark energy. There is also a special talk by Dr. John Grunsfeld, retired NASA astronaut and the last person to touch Hubble in space, on the final Hubble servicing mission.

Directors

Hafeez R. Hoorani Mohsin Siddiq Mansoor Ahmed

Organizing Committee

M. Junaid Shabbir Ahmed Naveed Imran

Technical Coordinator

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Technical Program

4:00 – 4:30 M. Junaid 4:30 – 5:30 Mansoor Ahmad 5:30 – 6:30 Jenifer Wisemann 6:30 – 7:30 John Grunsfeld

Key Speakers



Mansoor Ahmed



Jennifer Wiseman



John Grunsfeld



M. Juniad

How to apply

This mini symposium is for public including university and college students are encouraged to participate. There is no registration so kindly bring your CNIC to attend the symposium. For further information, please email at caad@ncp.edu.pk.

For Further Information, Please Contact: Activity Secretariat: <u>caad@ncp.edu.pk</u> **Collaborations & Academic Activities Department (CAAD)** National Centre for Physics, QAU Campus, Shahdra Valley Road, Islamabad, Pakistan Tel: +92-51-2077363, Fax: +92-51-2077395 Website: www.ncp.edu.pk