

# **Academy-IIA Summer School on Observational Astronomy**

**June 4 to August 3, 2018**

*Astrophysics: An observational view of the Universe*

**Programme for the participants** Venue:- IIA Auditorium

## **June 4, 2018 (Monday)**

Inauguration, 11:00 am by Chief Guest Dr. P. Sreekumar

Introduction of the students and others present in the auditorium; Followed by high tea

14:00 to 16:00 Background of the summer school - Ram Sagar

## **June 5, 2018 (Tuesday)**

10:00 to 12:00 Coordinate systems in Astrophysics - Ram Sagar

14:00 to 16:00 Basic physical parameters of stars; H-R diagram etc - Sunetra Giridhar

## **June 6, 2018 (Wednesday)**

10:00 to 12:00 Optical Photometric Observations - Ram Sagar

14:00 to 16:00 Measurements of Distances in the Universe - M Gopinathan

## **June 7, 2018 (Thursday)**

10:00 to 12:00 Star formation and stellar systems-I - Annapurni Subramaniam

14:00 to 16:00 Stellar atmosphere and stellar evolution - Gajendra Pandey

## **June 8, 2018 (Friday)**

10:00 to 12:00 Star formation and stellar systems-II – Annapurni Subramaniam

14:00 to 16:00 Transient astronomy and its relevance – G.C. Anupama

## **2<sup>nd</sup> week;**

### **June 11, 2018 (Monday)**

10:00 to 12:00 Spectroscopy as a tool in Astrophysics-I - T.P. Prabhu

14:00 to 16:00 Polarimetric observations of celestial bodies - Maheswar Gopinathan

### **June 12, 2018 (Tuesday)**

10:00 to 12:00 Spectroscopy as a tool in Astrophysics-II - T.P. Prabhu

14:00 to 16:00 Classical and recurrent novae - U S Kamath

### **June 13, 2018 (Wednesday)**

10:00 to 12:00 Solar Astronomy in India-I - D Banerjee

14:00 to 16:00 Observational evidence of Black Holes - A Mangalam

### **June 14, 2018 (Thursday)**

10:00 to 12:00 Solar Astronomy in India-II - D Banerjee

14:00 to 16:00 International Liquid Mirror Telescope - Brajesh Kumar

### **June 15, 2018 (Friday)**

10:00 to 12:00 TMT and other extremely large size optical telescopes - B Eshwar Reddy

14:00 to 16:00 Astronomical observations of Galaxies – Mousumi Das

## **3<sup>rd</sup> week**

### **June 18, 2018 (Monday)**

10:00 to 12:00 Devasthal Optical Observatory (Ram Sagar) **Confirmed**

14:00 to 16:00 First stars in the Universe (T Sivarani) Confirmed

### **June 19, 2018 (Tuesday)**

10:00 to 12:00 Gravitational wave astronomy-I - P Ajith

14:00 to 16:00 Gravitational wave astronomy-II - P Ajith

**June 20, 2018 (Wednesday)**

10:00 to 12:00 Astrophysical importance of AGN variability - CS Stalin

14:00 to 16:00 Astronomical Search for Extra-terrestrial Life - Sujan Sengupta

**June 21, 2018 (Thursday)**

10:00 to 12:00 From Hydrogen to Iron and beyond: A glimpse of stellar nucleosynthesis - A Goswami

14:00 to 16:00 Optical and IR studies of post-AGB objects - C Muthumariappan

**June 22, 2018 (Friday)**

10:00 to 12:00 Space Astronomy - Jayant Murthy

14:00 to 16:00 UVIT on ASTROSAT - C S Stalin

**Tea/coffee break at 11.00 hrs and at 16:00hrs: Lunch at 12.30 hrs**

**Visits to the Observatories**

**June 25 to 30, 2018; ISRO Bangalore:**

**coordinated by Dr. K. Sankarasubramanian**

**July 1 to 7, 2018; NCRA Pune:**

**coordinated by Dr. Bhaswati Bhattacharyya**

**July 9 to 25, 2018; VBO, Kavalur and Kodi Observatory:**

**coordinated by Prof. C. Muthumariappan**

**Participants presentations & Closing session**

**July 25 to August 3; 2018; Auditorium. IIA, Bangalore.**