

REGISTRATION FORM

Name (In Block letters) :

Designation:

Department :

Organisation:

Address:

E-mail:

Phone No:

Whether Accomodation needed: Yes / No

(Signature of Applicant with date)

(Nb: Duly filled registration form should be sent to joseph@mec.ac.in on or before 18-12-2017)

About IUCAA

The Inter-University Centre for Astronomy and Astrophysics (IUCAA) is an autonomous institution set up by the University Grants Commission (UGC) of India to promote the nucleation and growth of active groups in astronomy and astrophysics at Indian universities. IUCAA aims to be a centre of excellence within the university sector for teaching, research and development in astronomy and astrophysics.

About MEC

Model Engineering College Emakulam is a premier institute that offers four undergraduate courses in Computer Science & Engineering, Electronics & Communication Engineering, Electronics & Biomedical Engineering and Electrical & Electronics Engineering and five postgraduate courses, namely VLSI Design & Embedded systems, Image Processing, Signal Processing, Optoelectronics & Communication Systems, and Energy Management. Model Engineering College is the first Engineering College in the state recognized by Cochin University of Science and Technology as the Research Centre of University in the branch of Electronics and Communication Engineering. The major areas of research are VLSI and Embedded Systems, Signal and Image processing, Opto Electronics, Biomedical Engineering etc.



WORKSHOP
ON

NEW AVENUES OF INTERFACE BETWEEN ASTRONOMY & ENGINEERING

4th,5th,6th January 2018

Organised by

The Inter-University Centre for
Astronomy and Astrophysics
(IUCAA)

&
Dept. of
Electronics & Communication
Engineering

Govt. Model Engineering College
Thrikkakara, Kochi
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Phone : +91-484-2577379

About Workshop

The workshop is aimed at exploring possible ways of engaging engineering students with the challenges in astronomy, especially for developing observatories and instruments and running them. This is important in the context of the involvement of our country in national and international large projects such as Astrosat, Aditya-L1, TMT, LIGO, SKA etc. The workshop will sensitize and train the Post Graduate students in Engineering on avenues of interface between Astronomy and Engineering through Lectures and hands on sessions. Pioneers in the field of Astronomy instrumentation along with the young researchers in the subject are the part of the team of resource people. This is a first step in this direction which is expected to lead to some tangible outcomes over time

TOPICS

- ▶ New avenues in Astronomy instrumentation
- ▶ Machine learning tools for astronomy
- ▶ The upcoming astronomy instruments & the engineering challenges
- ▶ Aditya L1- the new satellite telescope for Solar Astronomy
- ▶ Control systems for Astronomy instruments
- ▶ Signal processing for Astronomy
- ▶ Ultraviolet Astronomy & instruments
- ▶ Engineering challenges in building modern telescopes
- ▶ Astronomy payloads
- ▶ Opportunities in Astro-engineering.

Resource Persons:

Prof. Ramaprakash (IUCAA)
Prof. Jayant Murthy (IIA)
Dr. Mudit Srivastava (PRL)
Dr. Padmakar singh Parihar (IIA)
Dr. Durgesh Tripathi (IUCAA)
Er. Sidhardh Maharana (IUCAA)
Er. Sabyasachi
Mr. Chatopadhyay (IUCAA)
Er. Nikhil Mukund Menon (IUCAA)
Er. Bhooshan Gadre (IUCAA)
Er. Avinash Surendran
Er. Ruchika Seth

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