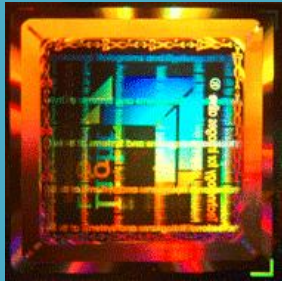


KSCSTE & SPIE Sponsored

# SCULPTING LIGHT

A Workshop on Laser Holography and Applications



**FEBRUARY 27-28, 2018**

Organised by

**Department of Physics,  
Farook College (Autonomous)  
Kozhikode- 673 632, Kerala.**



Venue: Audio Visual Theatre & Holography Lab  
Register for the Seminar at [www.lightlogics.in](http://www.lightlogics.in),  
[www.farookcollege.ac.in/department-of-physics](http://www.farookcollege.ac.in/department-of-physics)  
Registration Fee:

For faculties & Research Scholar: Rs.2000/-

For P.G Students: Rs.1000/-

Contact numbers: 9895624945, 8714313267

Dear Sir/madam,

As a part of science day celebrations Department of Physics, Farook College (Autonomous), jointly with Light Logics Holography and Optics and SPIE-USA, is organizing unique hands on workshop on **Sculpting Light** for the benefit of faculty members and researchers. As you are aware, light and light based technologies are conquering all walks of human life and living. The whole world is all set to celebrate the International Day of Light (IDL) on May 16<sup>th</sup> every year. Laser holography is the most reputed technology to record and recreate light fields in its truest manner. Ultra Realistic Imaging, Image Archiving, Security and Authentication, Precision NDT, Optical Data Storage and Processing, Alternate Reality (AR) etc. are just a few of its wide spread applications.

In a world that is set to have a paradigm shift from electronics to photonics, there are fast changes poised to be introduced in the education and training sectors. This Workshop will provide fundamental as well as practical aspects of laser holography through a set of graduate and postgraduate level experiments. Light Logics Holography and Optics is India's leading laser holography and optical structures Technology Company. There will be technical disclosures by **Dr. Ajith Kumar**, a globally renowned laser holography scientist who has over three decades of hands on experience in various advanced avenues of holography, optical structures and their applications. The Workshop will provide, probably a once in a lifetime opportunity for the participants to shoot a hologram and take it home.

## Highlights

1. Technical Talks
2. Hands On Experiments
3. Discussion on Potential Research Topics of Relevance
4. Research Mentoring and Funding Possibilities

(Areas covered: Optical Structures, Optical Data Storage and Processing, HNDDT, HOEs, Digital Holography, Security Holography, Solar Holography, Portraiture, Hologram Recording Media)

## Proposed Hands on Experiments

- *Shoot at Site* – Record your first hologram
- Spatial Filtering
- Laser Interferometers
- Live fringe Holography
- Digital Holography
- Holographic NDT
- Holographic Optical Elements
- Optical Information Processor
- A Homemade Hologram Recording Material
- Light Logics Holography Kit for 10 Experiments



For the Organizing Committee

**Prof.E.P.IMBICHKOYA**  
(Chairman & Principal)

**Dr.P.A.Subha**  
(Organising Secretary & HOD)

**Mr.Muhammed Jubeer E.**  
Convener

**Dr. Zuhail K. P.**  
Convener

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