



GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Under Gujarat Act. No.:20 of 2007)

Date: 27-03-2017

CIRCULAR

Interested faculty members and students may register for the following webinar which is going to be held on Wed, Mar 29, 2017 3:30 PM - 4:30 PM IST.

Virtual Academy: Transport of micro particles using Liquid crystals

Wed, Mar 29, 2017 3:30 PM - 4:30 PM IST

Registration URL: <https://attendee.gotowebinar.com/register/8543290390880011522>

Description:

In recent years, there has been increasing interest in the phenomena of controlled transport of micro particles in micro and nano scale regime.

This raise in interest is mainly due to its growing applications in drug delivery, lab on a chip applications. In this webinar, the controlled transport of micro particles using liquid crystals will be discussed. Mainly the three different phases that exist in liquid crystals are : Isotropic, nematic and crystalline phases. The orientations of liquid crystal molecules defines these different phases in liquid crystals. The focus of this webinar is on the motion or transportation of colloidal particle in nematic phase of liquid crystals. Also, discussion will be on how different external fields like electric field, change in the temperature will effect the transport of colloidal particle in nematic liquid crystals.

Presenter:

Dr. Balaji Yendeti
Post-Doctoral Fellow
Dr. Kanchan Garai's Lab
Tata Institute of Fundamental Research
Centre for Interdisciplinary Sciences
Hyderabad

Sd/-
Registrar (I/c)