



GUJARAT TECHNOLOGICAL UNIVERSITY

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Date: 06-07-2015

CIRCULAR

Interested faculty members and students may register for the following webinar which is going to be held on Wed, Jul 8, 2015 3:30 PM - 4:30 PM IST.

Virtual Academy: An Introduction to Ionic Polymer Metal Composite (IPMC) Actuator;

By Dilip Biswal

Wed, Jul 8, 2015 3:30 PM - 4:30 PM IST

Registration URL: <https://attendee.gotowebinar.com/register/1364881325134381826>

Abstract:

An IPMC typically consists of a thin ion-exchange membrane such as Nafion or Flemion chemically plated on both surface with a noble metal such as gold or platinum as surface electrode. The current state-of-the-art procedure to fabricate this artificial muscle is expensive as the metal electrodes are made of with platinum or gold. It is anticipated that changes in processing parameters and operating conditions may be able to reduce reliance upon these metals. The proposed seminar deals with fabrication, characterization, theoretical and experimental analysis of Nafion based ionic polymer metal composite actuator of non-precious metal silver (Ag) as surface electrode.

Presenter:

Dr. Dillip Kumar Biswal

Associate Professor, Department of Mechanical Engineering,

CV Raman College of Engineering.