GUJARAT TECHNOLOGICAL UNIVERSITY

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

CIRCULAR

Interested faculty members and students may register for the following webinar which is going to be held on Wed, Jul 1, 2015 3:30 PM - 4:30 PM IST.

Virtual Academy: Change Detection Techniques in Remote Sensing (satellite) Images;
By Monika Phulia
Wed, Jul 1, 2015 3:30 PM - 4:30 PM IST
Registration URL: https://attendee.gotowebinar.com/register/6986319239921846018

Abstract:

Change detection is the process of automatically detecting the changes in a set of two bi-temporal images of same geographical area taken at different times. The result of applying change detection is difference image, which is binary and represents the location of the changes. The basic principle in using satellite data for change detection is that changes in land cover should produce changes in radiance values and these changes in radiance should be greater than the radiance changes produced by other factors like differences in atmospheric conditions, sun angle and soil moisture. Change detection is done by first finding change using change detection algorithms and then performing classification to separate changed and unchanged areas. Change detection is categorized based on (i) algebra & (ii) transformation.

Presenter:

Ms. Monika Phulia is currently working as Assistant Professor in EEE department from Dronacharya College of Engineering from 19th Jan 2015. Also, working as WIE advisor in DCEG IEEE Women in Engineering Affinity Group.