TIFAC-CORE in Automotive Infotronics
(Sponsored by Dept. of Science & Technology, Govt. of India)
@ VIT University, Vellore

Short-term Workshop on

"Nonlinear Electronics & Circuit Theory"

Speaker : **Dr. Bharathwaj Muthuswamy**
Assistant Professor,
Dept. of Electrical Engineering,
Milwaukee School of Engineering,
Milwaukee, USA

Venue : **Room No.727, Technology Tower**

Date : **21st AUG 2014**

Time : **6.00 – 8.00 pm.**

Overview:

In this short introductory workshop, we will build negative resistors, using operational amplifier (op-amp) circuits in positive feedback! The workshop is aimed primarily at undergraduates who have knowledge of basic circuits but want to take their knowledge to the "next level". By revisiting basic op-amp theory but from a nonlinear dynamics perspective, we will put positive feedback to use. We will utilize the negative resistor to build a relaxation oscillator - the core circuit of the ubiquitous 555 timer.

Interested students can register for a follow-up workshop on nonlinear electronics and chaotic circuits. In fact, this introductory workshop could serve as a pre-requisite for courses in advanced circuit theory.

The workshop will be offered by a visiting professor from TIFAC-CORE, Dr. Bharathwaj Muthuswamy. He has a BS (2002), MS (2005) and PhD (2009) all in EECS from the University of California, Berkeley.

Dr. K. Ganesan
Director, TIFAC-CORE

Format for Registration Confirmation

Short-term Workshop on
"Nonlinear Electronics & Circuit Theory
21st August 2014

Name : --

Designation : Student / Faculty / Research Scholar / Industry Professional

Institution : ---

Address : ---

Mobile : -------------------------- Email ID: --

Signature of the Applicant

Registration Fee : Rs.250/-

Limited to 60 seats only based on First Come First Serve. Hurry to register.

Note: Certificate will be issued to the participants.

Payment through DD drawn in favor of "TIFAC CORE, VIT University", Payable at Vellore (OR) by CASH

Last Date of Registration : 19th August 2014

For registration please Contact:

Mrs. R. Devaki
Secretary
TIFAC-CORE in Automotive Infotronics
Room No. 701, 7th Floor, Technology Tower
VIT, Vellore-632 014, Tamil Nadu
Ph.:0416-2202381, **e-mail** tifac@vit.ac.in