

Send your Registration forms

To

Dr. G. Saravana Ilango
Coordinator / STC on FACTS Controllers,
Assistant Professor,
Department of Electrical and Electronics Engineering,
National Institute of Technology, Tiruchirappalli,
Tamil Nadu – 620 015.

ABOUT THE DEPARTMENT:

The Department of Electrical and Electronics Engineering of this institute is celebrating the Golden Jubilee this year. It offers undergraduate programme, postgraduate programmes (Power Systems & Power Electronics) and research degrees (M.S. & Ph.D.) in various fields of Electrical and Electronics Engineering. The Department is recognized for excellence in research, teaching and service to the profession.

CO-ORDINATORS

Dr. C. Nagamani

Dr. G. Saravana Ilango

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**Short Term Course
on**

FACTS Controllers

Under TEQIP-II

on

25th & 26th July 2014



Organized by

Department of
Electrical and Electronics Engg.
National Institute of Technology,
Tiruchirappalli,
Tamil Nadu - 620 015.

Scope of the Training Program:

In recent years, the progress in high power semiconductor technology has stimulated the development of a new application in power systems known as Flexible AC Transmission Systems (FACTS). Application of FACTS to power systems can enhance the controllability and flexibility of the power system.

This course is designed to cover the emergence of FACTS with a perception to ascertain the ultimate limitations for power transmission and to bring out the important issues in FACTS and applications. The workshop methodology includes classroom lectures, case studies, simulation exercises and lab visit.

The two day workshop is organized with sessions on

- Limitations of transmission capability
- Emergence of FACTS
- FACTS Controllers to improve power transmission capability
- Role of Shunt Active filters in power transmission
- Role of custom power devices in distribution systems etc.

The course will enlighten the participants with a new platform for research and development of FACTS controllers for power quality enhancement.

RESOURCE PERSONS:

Dr. Rajiv Kumar Varma, Associate Professor, University of Western Ontario (UWO), Canada will be conducting the introductory session of the workshop. He is also an Adjunct Associate Professor at University of Waterloo.

He received the Fulbright grant of the U.S. Educational Foundation in India, to conduct research in FACTS at Bonneville Power Administration (B.P.A.), Portland, Oregon, USA, during May-Aug. 1998. He has received several Teaching Excellence awards at the Faculty of Engineering and University level at UWO including "USC Teaching Honour Roll Award of Excellence" for nine years (2001-2009), "Faculty of Engineering R. Mohan Mathur Award for Excellence in Teaching" 2003 and was

nominated for University of Western Ontario USC Award of Excellence in Undergraduate Teaching (2003—2005). He also got "*Hind Rattan (translated 'Jewel of India')*" Award 2014" and also "*Bharat Gaurav (translated 'Pride of India')*" Award 2014" in recognition of his Outstanding Services, Contributions and Achievements.

He was the Editor of IEEE Transactions on Power Delivery for five years. He is also the Chair of IEEE Working Group on "HVDC and FACTS Bibliography" and is active on a number of other IEEE working groups. His research interests include FACTS, Power systems stability, and Grid integration of wind power generation systems.

In addition, faculty members from the Department of Electrical & Electronics Engg., NIT Tiruchirappalli with rich experience in teaching, research and laboratory development will be handling the sessions.

Registration

Registration Fee

The registration fee includes workshop kit, food and refreshments.

Academicians/ Scholars/ Students Rs. 200

Accommodation for the outstation participants may be arranged in the institute hostels on request, subject to availability.

Important dates

Completed Registration forms accompanied by registration fee (in the form of DD) should reach the coordinator not later than 19th July 2014. The selected candidates will be intimated by 21st July 2014 by e-mail / phone.

REGISTRATION FORM

Short Term Course on *FACTS Controllers*

25th & 26th July 2014

Name : _____

Designation : _____

Organization : _____

Official Address : _____

Mobile/Telephone No: _____

e-mail : _____

Payment details

DD No. : _____

Date : _____ Rs. : _____

(DD should be drawn in favour of "The Director, NIT, Tiruchirappalli" payable at Tiruchirappalli)

Date : _____

Signature : _____