



## Workshop on gPROMS

April 1-2, 2013

### Organised by

Department of Chemical Engineering  
National Institute of Technology  
Tiruchirappalli – 620 015.  
Tamil Nadu, India

### Course Coordinators

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## COURSE CONTENTS

### DAY 1

- Tutorial: Building your own models in gPROMS – I. Lumped models
- Hands-on session: Simulation of an isothermal buffer tank
- Tutorial: Using Enumerated Domains
- Tutorial: Modelling systems with discontinuities
- Tutorial: Physical Properties in gPROMS models
- Tutorial: Building models from libraries in gPROMS
- Hands-on session: Constructing a simple flowsheet

### DAY 2

- Tutorial: Building your own models in gPROMS – II. Distributed models
- Hands-on session: tubular reactor
- Tutorial: Building your own model libraries in gPROMS
- Hands-on session: defining a public interface for the liquid-phase CSTR model
- Hands-on session: model topology development using the PI Model library
- Tutorial: Software architecture and solution methods
- Tutorial: gPROMS documentation and support
- Tutorial: Linking gPROMS to MS Excel
- Hands-on session: Excel Foreign Object and Foreign Process Interface

As a part of the workshop, the participants will have hands-on sessions on gPROMS software in the computer laboratory.

## FACULTY

The course contents will be delivered by Dr. Ramakanth Chitgappa, Pramoda Solutions, Hyderabad, who is the distributor of g-PROMS in India.

## ELIGIBILITY

Teachers/researchers from technical Institutions approved by AICTE and Research Scholars/M. Tech. students are eligible. Also participants from industry are eligible to attend the programme.

## REGISTRATION FEE

Teachers/researchers from academic institutes or research labs – Rs. 400  
Research scholars/students – Rs. 200

The registration fee must be paid by DD in favour of “The Director, NIT, Tiruchirappalli-620015” and payable at State Bank of India, NIT, Tiruchirappalli.

## IMPORTANT DATES

Last date for receiving Application: **25.03.2013**

Intimation of selection : **27.03.2013**  
(By Email only)

## REGISTRATION FORM

### Workshop on gPROMS

*April 1-2, 2013*

1. Name:
2. Gender (M/F):
3. Qualification:
4. Designation:
5. Department:
6. Organization:
7. Experience:
8. Mailing:  
Address
- Phone:
- Email:
9. Details of Registration Fee  
Amount: DD No.:  
Date :  
Bank name & Place:

Signature of the Applicant with Date

## DECLARATION BY THE APPLICANT

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the workshop. I shall attend the course for the entire duration.

Place:

Date: *Signature of Applicant*

## SPONSORSHIP CERTIFICATE

This is to certify that Dr/Mr/Ms.....is an employee of our institution is hereby permitted to attend the “**Workshop on gPROMS**” to be held at NIT, Trichy during April 1-2, 2013.

Place:

Date:

*Signature and Seal of  
Sponsoring authority*

Sponsoring application should be sent to the coordinator of the programme.

## ABOUT THE INSTITUTE

National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to cater to the needs of man-power in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development.

## ABOUT THE DEPARTMENT

The Department of Chemical Engineering at NIT Trichy is established in 1968 and is regarded as one of the premier centers for Chemical Engineering in India by industries as well as academia. It offers a B. Tech programme and two M. Tech programs in Chemical Engineering and Process Control & Instrumentation. The department is backed by highly qualified and experienced faculty, most of whom have been involved in various sponsored projects and consultancy services. The students, guided by the experienced faculty, have presented many papers in India and abroad.

## HOW TO REACH NIT-TRICHY

NIT- Tiruchirappalli is located about 22 km from Tiruchirappalli Junction / Central Bus-stand on the Tiruchirappalli - Thanjavur Highway. The simplest and most economical way to reach NIT- Tiruchirappalli is by bus. You have to board Thanjavur bound route bus and get down at NITT. The journey time from Tiruchirappalli will be around 45 minutes.