

## SPONSORSHIP

Prof./Dr./Mr./Ms./Mrs./\_\_\_\_\_ is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the Conclave “**Nanomaterials for Energy & Environment**” at NIT Tiruchirappalli during June 13-18, 2016, if selected.

Date: \_\_\_\_\_  
Signature of Sponsoring Authority  
Designation: \_\_\_\_\_  
Official Seal: \_\_\_\_\_

**The duly sponsored application form should be posted to:**

**Dr. M. Arivazhagan/ Dr. A. Arunagiri/**

**Dr. M. Matheswaran,**

Workshop coordinators - Nanomaterials for Energy & Environment,

Dept. of Chemical Engineering,

NIT Tiruchirappalli, – 620015

E-mail: **neenitt2016@gmail.com**

Phone: +91-431-2503114

**Note:** Please email us a soft copy of your duly filled application followed by a hard copy of the same to the above mentioned address.

## ELIGIBILITY

The teachers of engineering/science colleges, research scholars and practicing engineers are eligible to attend. The number of participants is limited to 40.

## REGISTRATION

Application for participation in the workshop shall be sent to the coordinator as given in the attached format along with the registration fee of Rs. 660/- for Academicians/Research scholars and Industrial participants by D.D drawn in favor of The Director, NIT, Tiruchirappalli-620015 payable at SBI, NIT Branch (Code - 01617).

## BOARDING AND LODGING

Boarding and lodging facilities will be provided to the selected candidates from AICTE approved Institutions in the Hostel/Guest house at NIT Tiruchirappalli. Accommodation will be on twin sharing basis. Local Participants will not be provided accommodation. No TA/DA will be given.

## IMPORTANT DATES

Last date for applications: **03-06-2016**

Intimation of selection (through Email ):

**06-06-2016**

Confirmation of participation: **08-06-2016**

## TEQIP-II SPONSORED

### WORKSHOP

*on*

### ***Nanomaterials for Energy & Environment***

**JUNE 13 - 18, 2016**

**Coordinators:**

**Dr. M. ARIVAZHAGAN**

**DR. A. ARUNAGIRI**

**DR. M. MATHESWARAN**



**Organized by**

**Department of Chemical Engineering  
National Institute of Technology  
Tiruchirappalli – 620 015**

## BACK GROUND

Nanoscience and nanotechnology are interdisciplinary fields that bring together physicists, chemists, materials scientists, and engineers to meet the potential future challenges that humankind will face. It broadly deals with materials on the atomic and molecular scale. Among the current subjects in nanoscience and nanotechnology, nanomaterials are developing fast and explosively and attracting a huge amount of attention and have found application in the environment and energy sector, viz., photovoltaics, hydrogen production & conversion, thermos electricity, rechargeable batteries, super capacitors, hydrogen storage, air & water purification, and removal of domestic & outdoor air pollutants.

## CONTENT

This six days workshop aims to bring science and applications together on the nanoscale and nanostructured materials with emphasis on

- Materials synthesis and characterization,
- Nanomaterials for clean and sustainable technology,
- Nanotechnology for solar energy collection and conversion,
- Energy storage and generation,
- Nanomaterials for environment protection and remediation,
- Nanotech for Water Technologies and so on.
- Hands on training for the synthesis and characterization of nanomaterials.
- Demo for instruments such as measurement of surface area (BET), thermal conductivity, etc.

## ABOUT THE DEPARTMENT

Established in 1968, the Department of Chemical Engineering, NIT Trichy is regarded as one of the premier centers in Chemical Engineering in India by industries as well as academia. It offers a B. Tech programme and M. Tech programme in Chemical Engineering and Process Controls & Instrumentation including Doctoral programmes. The department is backed by highly qualified and experienced faculty. The students, guided by faculty, have presented many papers in India and abroad. The programme is supplemented by several state-of-the-art laboratories, which cover all areas of practical interest. The students are exposed to specialized ones like Reaction Engineering, Process Control, Biotechnology.

**Department of Chemical Engineering, NITT:**  
<http://www.nitt.edu/home/academics/departments/chem/>

## COURSE DURATION & VENUE

The course is six days duration from **June 13 to June 18, 2016**. Classes will be held at Chemical Engineering Seminar Hall, National Institute of Technology, Tiruchirappalli – 620 015

## RESOURCE PERSONS

Sessions will be handled by Experts from Industries, IITs, NITs, Anna University and R&D organizations.

## TEQIP-II SPONSORED WORKSHOP *on* **Nanomaterials for Energy & Environment**

**JUNE 13 – 18, 2016**

### *Application Form*

Name:

Designation:

Organization:

Address for Communication:

Pin code:

Mobile:

E-mail:

Highest Academic Qualification:

Specialization:

**Name of the subject taught in the last three years:**

### **Experience:**

Teaching :                  Research:                  Industry:

Accommodation: Required/Not Required  
(Local Participants will not be provided accommodation)

All data provided are true to the best of my knowledge and belief. Kindly register me for the Workshop on “**Nanomaterials for Energy & Environment**” to be held at NIT, Tiruchirappalli-15

Place:

Date:

Signature of the Applicant