

Registration fee should be sent as demand draft in favour of "ORGANIZING SECRETARY (NSSA-2007)" payable at SBI, NIT, Trichy, So as to reach us on or before 30-11-2007.

### IMPORTANT DATES

Submission of abstracts : 27-11-2007  
Intimation of acceptance : 29-11-2007  
Last date of registration for participants only : 30-11-2007

### SCOPE OF THE SEMINAR

A sensor is a device which can respond to some properties of the environment and transform the response into an electric signal. History has shown that advancements in materials science and engineering have been important drivers in the development of sensor technologies. More recently, a new era in sensor technology was ushered in by the development of large-scale silicon processing, permitting the exploitation of silicon to create new methods for transducing physical phenomena into electrical output that can be readily processed by a computer. Ongoing developments in materials technology will permit better control of material properties and behavior, thereby offering possibilities for new sensors with advanced features, such as greater fidelity, lower cost, and increased reliability. Sensors have social applications like health, agriculture and environment monitoring.

"If developed intelligently, agriculture, environment and health sector applications would not only lead to large market for sensors but also, increase well being of our people"

----- Dr. A.P.J. Abdul Kalam

### ADVISORY COMMITTEE

Dr. D. Mohan, Anna University, Chennai.  
Dr. K. Gurunathan, CMET, Pune  
Dr. V. Ganesan, BHU, Varanasi  
Dr. M. Sivakumar, Anna University, Trichy.  
Dr. B. Venkataramani, NIT, Trichy  
Dr. N. Anantharaman, NIT, Trichy  
Dr. D. Sastikumar, NIT, Trichy  
Dr. M. Umapathy, NIT, Trichy

### TENTATIVE INVITED SPEAKERS

Dr. T. Prasada Rao, NIST, Trivandrum  
Dr. A.K. Mishra, IIT, Chennai  
Dr. N. Munnichandraiah, IISc, Bangalore  
Dr. K. Girish Kumar, CUSAT, Cochin  
Dr. Abraham John, GRI, Gandhigram  
Mr. P.A. Manohar, DRDO, Chennai  
Dr. N. Sivakumaran, NIT, Trichy

### ORGANIZING COMMITTEE

Chairman : Dr. M. Chidambaram, Director  
Convener : Dr. (Mrs.) N. Sulochana  
Co-Convener : Dr. G. Venkatesa Prabhu  
Co-Convener : Dr. (Mrs.) L. Cindrella  
Secretary : Dr. V.M. Biju  
Joint Secretary : Dr. R. Karvembu  
Joint Secretary : Dr. S. Anandan  
Treasurer : Dr. (Mrs.) S. Velmathi  
Joint Treasurer : Dr. R. Anand  
Joint Treasurer : Dr. A. Sreekanth

### REGISTRATION

The registration fee for the seminar is applicable to all the participants. It includes admission to all the technical sessions, working lunches and seminar proceedings.  
Indian delegates from universities, college and national institutes : Rs. 450/-  
Student delegates : Rs. 250/-  
Industry delegates : Rs. 600/-

## NATIONAL SEMINAR ON SENSOR AND ITS APPLICATIONS (NSSA-2007)



7- 8 December, 2007



UNDER TEQIP  
(COMMUNITY SERVICE)



Organized by  
**Department of Chemistry**  
**National Institute of Technology**

Tiruchirappalli 620 015, INDIA  
Web page: [www.nitt.edu](http://www.nitt.edu)

The seminar will broadly cover the following frontier areas:

- Design & development of sensors with tailor made properties in the fields of Chemistry, Physics, Biology and Engineering
- Characterization of these developed sensor materials using instrumental facilities
- Application of sensors in the fields of Chemistry, Physics, Biology and Engineering

### **SUBMISSION OF ABSTRACTS**

Abstracts of original and unpublished work of any of the above topics are invited. Participants are requested to submit an electronic copy of the abstract not exceeding 250 words with title, authors, addresses and e-mail typed in Times New Roman (font size 12) on A4 sheet.

Abstract & registration form by e-mail and DD by post should reach the Organizing Secretary (NSSA-2007) (nssa\_2007@rediffmail.com) on or before 27-11-2007.

Acceptance will be intimated through e-mail before 29-11-2007.

### **AWARDS**

As a token of appreciation and encouragement, prizes will be awarded for best oral and poster presentations to young researchers (below the age of 30 years).

### **ABOUT INSTITUTE**

The 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 catering to the needs of man-power in technology for the country. The National Institute of Technology is a premier institution of India and is known for its high standards in teaching and research.

### **ABOUT DEPARTMENT OF CHEMISTRY**

The Department of Chemistry of the National Institute of Technology is one of the oldest chemistry departments in the country with 9 faculty members and 20 research scholars in addition to 40 M.Sc. students. The scientific contributions of the department, in almost all frontline areas of chemistry have already been made a mark on the national scenario.

### **ACCOMMODATION**

Accommodation will be provided on request in the hostels/guest house and nearby hotels at nominal rates to be paid in full by the participants at the registration desk.

### **HOW TO REACH THE INSTITUTE**

NIT is situated on Tanjavur highway about 30 kms south of Tiruchirappalli airport and 22 kms west of Trichy bus stand and railway. The campus is well connected to bus, rail and air.

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Department of Chemistry  
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### **REGISTRATION FORM**

Name :  
Designation :  
Male/Female :  
Affiliation & Address :  
Tel :  
Fax :  
E-mail :  
Title of the paper :  
Authors :  
Accommodation required: YES/NO

I am attending the seminar and have enclosed a draft for Rs.....Number..... Dated ..... towards registration fees.

I shall be accompanied by:

Any other information:

Dated

Signature

Mail this to: Organizing Secretary (NSSA-2007),  
Department of Chemistry, National Institute of Technology,  
Tiruchirappalli 620 015, INDIA

Phone: +91-431-2503630  
Fax: +91-431-2500133; Cell: 09443843076  
E-mail: nssa\_2007@rediffmail.com

**Registration deadline: 30<sup>th</sup> November, 2007**

Please make copies and distribute to all the interested.  
Note that the format is not important. We just need all the information indicated.