

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

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 college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in the year 2003 and renamed as National Institute of Technology. National Institute of Technology Trichy is one of the 31 National Institutes of Technology established by the Government of India. The institution offers Under Graduate Courses in ten branches and Post Graduate Courses in twenty-one disciplines of Science, Engineering & Technology besides M.S. (by Research) and Ph.D. in all the departments.

OBJECTIVE OF THE WORKSHOP

This workshop aims to impart basic and research-oriented knowledge on CFD and its applications. This workshop will focus on the basics of CFD, discretization methods, turbulence modelling and its applications in heat transfer and solar energy systems. The participants will be given hands on training in geometry creation, meshing techniques, applications of boundary conditions, solution methods and interpretation of results.

SEMINAR TOPICS

- Governing equations of fluid flow viz. mass, momentum and energy
- Discretization techniques
- Turbulence models
- Basic geometry creation and meshing
- Solver basics and boundary conditions
- Heat transfer & Fluid flow modeling
- Multiphase modeling
- Applications

Resource persons from NIT and various other academic institutions, industries and public sector institutions will be invited.

ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. IEI has membership strength of above 0.8 million. Established in 1920, with its headquarter at 8 Gokhale Road, Kolkata-700020, IEI has served the engineering fraternity close to a century. During this period of time, IEI has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India which has been accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 124 Centres located across the country and 6 overseas chapters. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, post graduate students and Ph.D Research Scholars of Engineering Institutions and Universities.

IEI conducts Section A & B Examinations in various engineering disciplines (popularly known as AMIE examination), the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Government of India. Every year as many as 90000 candidates appear for these exams.

IEI in collaboration with Springer regularly publishes peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

ABOUT TIRUCHIRAPPALLI LOCAL CENTRE

Tiruchirappalli Sub-Centre of IE(I) was formed in 1973 and was elevated as Local Centre in 1987 after the membership crossed the 500th mark. Presently, the membership is more than 2000. Our Local Center is functioning in its own premises located in BHEL campus on the land leased by BHEL, Tiruchirappalli. The building was declared open by Shri P.S Gupta, CMD, BHEL in August 1990. The institution houses a library having more than 5000 books from various divisions for the benefit of students and members. Our Centre celebrated its Silver Jubilee during the year 1998 to mark the completion of 25 years of its formation and its meritorious service to the Engineering community. The Local Centre has a very close liaison with leading engineering organizations, professional Institutions and sister professional bodies in the conduct of Technical activities. Tiruchirappalli Local Centre stands Second in our country, among all Local Centres based on the level of activities. We have been regularly receiving additional incentives and appreciation letters of the President and other top people of our institution, for the same.

For details, please see: <http://ieitiruchi.org/>

The Institution of Engineers (India)

“99 years of relentless journey towards
Engineering Advancement for Nation
Building”

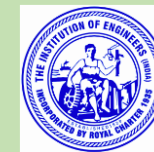
All India Workshop

on

“Application of Computational Fluid
Dynamics Techniques in Heat Transfer
and Energy Systems”

June 28th – 29th, 2019

Organised by



The Institution of Engineers (India)
Tiruchirappalli Local Centre
under the aegis of

Mechanical Engineering Division
Board, IEI
in association / collaboration with



National Institute of Technology,
Tiruchirappalli.

VENUE

National Institute of Technology,
Tiruchirappalli 620015

REGISTRATION FEES (INCLUSIVE OF GST AS APPLICABLE)

All delegates attending the workshop must register by filling the registration form available in the website of IEI-TLC and by paying registration fees as follows:

Category	EB* in Rs.	From 18 May 2019 in Rs.
Industries & Govt. organizations	1500	1700
Academic Institutes – faculty	1300	1500
IEI members	1000	1200
Students	800	1000

EB – Early bird registration up to 17 May 2019.

• Registration fee includes workshop kit, Tea & working lunch during sessions. Presentation material will be shared through G drive for limited period for downloading by participants.

• The registration form along with documents of payment should be submitted to the Hon. Secretary personally or by post / courier on the following address:

**Hon. Secretary,
The Institution of Engineers (India)
Tiruchirappalli Local Centre,
BHEL Main Office Road, BHEL,
Tiruchirappalli 620014**

PAYMENT

The payments can be made by

• A crossed Demand Draft / MICR Cheque, drawn in favour of “The Institution of Engineers (India), Tiruchirappalli Local Centre”, payable at Tiruchirappalli.

• Depositing the amount in our **SB A/c No. 10891417887** of The Institution of Engineers (India), Tiruchirappalli. The deposit slip will form the document for payment and will be exchanged with the receipt at the registration counter.

Our PAN NO.: AAATT3439Q & TAN No. CALT00825G.

Our Bankers: State Bank of India, Heavy Electricals, Kailasapuram, Tiruchirappalli – 620014, **IFS Code: SBIN0001363**, Branch code : Last six characters of IFS code represent branch code, **MICR code : 620002004**

TRAVEL & ACCOMMODATION

The delegates will have to make their own arrangements for travel. The accommodation will be arranged at NITT guest house or hostels as per the institute norms on payment basis to NITT. The charge for hostel accommodation is Rs. 170/day excluding food and have to be paid by SBI-icollect. Please contact the convenor for more details. The guest house charges are Rs. 700 per day for single occupancy room which has to be paid at the guest house.

NATIONAL ADVISORY COMMITTEE

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 Mr. S. S. Yadav, FIE, Member, MCDB, IEI
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 Mr. P. S. Guruchandran, General Manager, R&D and Coal Research, BHEL, Tiruchirappalli
 Mr. A. Anand, MIE, Hon. Secretary, Tiruchirappalli Local Centre, IEI

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 Tiruchirappalli Local Centre- IEI, BHEL Main Office Road, BHEL,
 Tiruchirappalli-620014.

ALL INDIA WORKSHOP

on

“Application of Computational Fluid Dynamics Techniques in Heat Transfer and Energy Systems”

June 28th – 29th, 2019, Tiruchirappalli

REGISTRATION FORM

1. Name (In block letters):
2. Designation:
3. Organization:
4. Address for Communication:
.....
.....
5. Mobile:.....Land Line:.....
6. E-mail id:.....

Registration category (Tick the boxes as per your category).

Delegate from

- Industries & Govt. organizations
 Academic institutes – faculty
 IEI Members Students

Payment Details:

DD/Cheque No

Dt..... for Rs.....

Deposit slip for online payment Dt.....

for Rs.....

Beneficiary name: The Institution of Engineers (I), Tiruchirappalli Local Centre.

Bank Account no.: 10891417887, IFSC NO: SBIN 0001363, State Bank of India, Heavy Electricals, Kailasapuram, Tiruchirappalli 620014.

Note: Please send this form along with DD/Cheque to “The Honorary Secretary, The Institution of Engineers (India), Tiruchirappalli Local Centre, BHEL Main Office Road, Tiruchirappalli – 620014” by post. In case of online payment, please send the scanned copy of this form along with deposit slip for online payment by email to ieitlc1973@gmail.com with a copy to ssuresh@nitt.edu