

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 from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it 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 123 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 PhD 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 the associate organization

St. Joseph's Institute of Technology is one of the Institution of St. Joseph's Groups started in the year 2011. It is a Christian minority institution with six UG streams of B.E – MECH, CIVIL, CSE, ECE, EEE & B.Tech IT. Out of six, eligible five programs are NBA Accredited. In India, our college is the first one to receive the accreditation status for the programs within 6 years. The college has best infrastructure including auditorium, mess halls, administrative block, labs, classrooms and hostels covering a total area of 10 lakhs sq.ft.

About The Department

The Department of Mechanical Engineering was started in the year 2011. The department comprises of highly qualified and experienced faculty members. The department is vibrant and keeps organizing various events like workshops, seminars & FDP'S around the year for faculty and students.

We are happy to inform you that our Department is organizing a Two Days All India Workshop on "Manufacturing Application of Micromachining for Automobile Components" in our college premises.

AIM OF THE PROGRAM

The concept of micro products and micro components has been strongly increasing for industrial products. It includes ink jet printers, reading caps for hard disks etc as well as medical and biomedical products pacemakers, analysis equipment, sensors etc. Furthermore the automotive industry represents an industrial application of micro systems. These product groups represent the highest growth rates.

The automotive industry has become the primary user of micro machined devices with applications including speed sensors, accelerometers, and temperature and pressure sensors. Micromachining gaining popularity due to the recent advancements in Micro-Electro Mechanical Systems (MEMS). Micro-sensors and other micro-devices are widely used in modern automobiles. There are between 20 and 100 sensors installed in a modern automobile, depending on make and model. Functions include electronic engine control, cruise control, anti-lock braking

systems, air bag deployment, automatic transmission control, power steering, all-wheel drive, automatic stability control, on-board navigation systems, and remote locking and unlocking. This work deals with overview of various micromachining processes and its application in automobile field. Following are the list of various micromachining processes that can be applied in automotive components.

REGISTRATION FEE:

Faculty/ Member of IEI : Rs 400 /-
Faculty/Research Scholar/

Non Member of IEI : Rs 500 /-

SPEAKERS

Speakers and Delegates are Invites from Various Reputed Institutions & Organizations

IMPORTANT DATES:

Workshop Dates : 16 & 17 July 2019

Last Date for sponsorships : 29th June 2019

Last Date for Registration : 3rd July 2019

Contact Person & Number:

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The Institution of Engineers (India)

99 years of Relentless Journey towards Engineering Advancement for

Nation Building since 1920

All India Seminar

On

Manufacturing Application of Micromachining for Automobile Components

[16.07.2019 to 17.07.2019]

Organized by



The Institution of Engineers (India)

Hosted by

Kancheपुरam Local Centre under the aegis of
Mechanical Engineering Division, IEI

&

In association / collaboration with



DEPARTMENT OF MECHANICAL ENGINEERING

(NBA ACCREDITED)

St. JOSEPH'S INSTITUTE OF TECHNOLOGY

OMR, Chennai-600 119.

REGISTRATION FORM

Name..... M.No.....

Designation.....

Organization.....

Address for Communication.....

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Mobile.....

E Mail.....

DD ("The Institution of Engineers (India), Kancheपुरam
Local Centre" payable at Kancheपुरam Out station Cheques
should include Rs.50/- extra towards bank charges. At par Cheques
are acceptable.)

/Cash.....

Dt..... for

Rs.....

Rupees(.....)

is enclosed towards Delegate fee/Exhibition /
Charges

Date

Signature.....

Participant should bring Photocopy of the DD at the
time of attending workshop

HOW TO REACH VENUE

College situated 30Kms from Tambaram Railway
Station; College is connected with Buses from Various
Places from Chennai.

NATIONAL ADVISORY COMMITTEE

Chairman : **Dr. T M Gunaraja FIE, President and Member,
MCDB, IEI**
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Directors
St. Joseph's Group of Institutions, OMR, Ch-119.
Convener : **Dr. K. Arun Vasantha Geethan, MIE**
Professor & Head - Dept. of Mechanical Engg.
St. Joseph's Institute of Technology.

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