

**Eighth National Conference on
“Energy Efficient Mechanical System
Design and Manufacturing”**

EMSDM 2018

27th April, 2018

**Department of Mechanical Engineering
PSG COLLEGE OF TECHNOLOGY
Coimbatore – 641 004**

APPLICATION FORM

Name (in block letters):

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Date of birth & Age:

Qualification :

Organization :

Designation :

Address for Communication :

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Phone :

E-mail id :

DD No. : Date :

Bank : Amount:

ORGANIZING COMMITTEE

Chief Patron : **Shri.L.Gopalakrishnan**
Managing Trustee
PSG & Son’s Charities Trust

Chairman : **Dr.R.Rudramoorthy**
Principal
PSG College of Technology

Convener : **Dr.P.R. Thyla**
Professor & Head
Dept. of Mechanical Engg.
PSG College of Technology

Co-Conveners : **Dr. A.Ramesh Babu**
Professor
Dr.M.Yuvaraja
Associate Professor

Organizing Secretaries : **Mr.C.Shanmugam**
Assistant Professor

Mr.S.Mohanraj

Assistant Professor

Mr.P.Govindaraj

Assistant Professor

COIMBATORE CITY

The city of Coimbatore, known as the Manchester of South India, is blessed with a salubrious climate. The city is endowed with a large number of educational institutions, textile mills, foundries and agro-based industries. Hill stations like Ooty, Kodaikanal, Mudhumalai – Wild life Sanctuary and Top Slip are within easy reach from Coimbatore. PSG Tech is just 2 km from airport and around 6 km from both bus and railway stations.

ADDRESS FOR CORRESPONDENCE

Organizing Secretary, EMSDM 2018
Department of Mechanical Engineering
PSG College of Technology
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“Energy Efficient Mechanical
System Design and
Manufacturing”**



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27th April, 2018



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ABOUT THE INSTITUTION

PSG College of Technology is a government aided autonomous institution affiliated to the Anna University, Chennai. It is the first government aided private engineering college in India started in the year 1951 by the PSG & Sons' Charities. Today, the institution has made substantial progress by way of offering under-graduate, post-graduate and doctoral programmes in several disciplines of engineering, management and applied sciences and is also conducting various continuing engineering education programmes for practicing engineers/ professionals from industries. The institution has a TIFAC Centre of Relevance and Excellence in Product Design, Optimization and Collaborative Product Commerce.

ABOUT THE DEPARTMENT

The department has evolved a comprehensive student-centric learning approach, designed to add significant value to the learner's understanding in an integrated manner through workshops, lab sessions, assignments, industrial training, seminars, internships, projects and independent study. The hands-on training offered at PSG Industrial Institute brings in a formal method of familiarizing with the industrial practices along with the educational process; it helps the students to apply their class room knowledge to live industrial situations. There is also a substantial value addition in the department through participation of the students and faculty in solving real-life problems of the industry directly through project work and through continuing education programmes for industry participants.

Machine Tool Research Centre (MTRC) has been established in the department to pursue research in the thrust areas of alternate material development towards the performance enhancement of machine tools. The centre is financially supported by the Government of India. The department is equipped with a library, and an engineering design centre with latest design and analysis software. The department has a team of highly dedicated faculty members involved in research activities in addition to academics. The department has established many centers and laboratories with support from industries such as FESTO, Rane, Ashok Leyland, Veljan and National Instruments.

The department maintains a close liaison with a large number of universities, industries within and outside the country, through collaborative and research projects. The department has been actively engaged in industrial consultancy and testing services for the industries in and around Coimbatore. A large number of sponsored research projects have been undertaken with funding from various agencies, viz., DST, AICTE, AR&DB, ISRO, DRDO, BRNS, IGCAR, ADA, etc.

The department offers B.E. (Regular) and B.E. (Sandwich) programmes in Mechanical Engineering, M.E full time programmes in Engineering Design, Computer Integrated Manufacturing, Lean Manufacturing Industrial Engineering and Energy Engineering and Ph.D. programmes. The UG and PG programmes offered by the department have been accredited by the NBA.

ABOUT THE CONFERENCE

Indian economy is booming with make in/for India and the expected double digit economic growth provides adequate impetus and encouragement to manufacturers of energy efficient equipment and systems. The Indian government is striving to accelerate the market shift to energy efficient products and appliances. The efficiency improvements in mechanical systems will be critical towards restraining growth in energy consumption and emissions. In this context, there is a strong need to develop technologies to bring out energy efficient mechanical engineering products and systems.

The conference aims to address the aforesaid issues and will provide a platform for the exchange of innovative thoughts, information and insights on recent advances in energy efficient mechanical system design and manufacturing among the researchers, academicians and executives of industry. The technical sessions of the conference will comprise of invited lectures by eminent speakers and papers for oral and poster presentation by participants.

Call for Technical Papers

The organizing committee of the conference invites papers from researchers, faculty and students in the following areas and related topics:

- Product Design Engineering
- Green Design and Manufacturing
- IoT in Manufacturing
- CAD/CAM/CAE
- Finite Element Analysis
- Computational Heat Transfer
- Computational Fluid Dynamics
- Optimization Techniques for Design and Manufacturing
- Advanced Materials
- Composite and smart Materials
- Precision Machine Design
- Modern Machining Processes
- Computer Integrated Manufacturing

- Metal Forming
- Rapid Prototyping
- Robotics and industrial automation
- Reliability Engineering
- Energy Management

Submission of Papers

- The full paper will be peer reviewed and evaluated based on originality, technical and/or research content/depth, correctness, and relevance to conference.
- The accepted full paper will be published in conference proceedings.
- Prospective authors are invited to submit full text papers including results, tables, figures and references in IEEE format (www.ieee.org).
- Full text paper will be accepted only by electronic submission as word document.
- Selected papers shall be considered for publication in National Journal of Technology

Registration Fee (inclusive of service tax)

Rs. 2000 /- per delegate from industry

Rs. 1500 /- per delegate from academic institutions

Rs. 1000 /- per student

Mode of Payment

The registration fee is to be paid by Demand draft drawn in the favor of **"PSG-Centre for Non-formal and Continuing Education"** payable at **Coimbatore**.

Accommodation

Registered participants shall make their own arrangements for accommodation.

Dates to Remember

- Submission of manuscript for review : **31.03.2018**
- Acceptance notification : **10.04.2018**
- Final submission of accepted paper with registration fees : **14.04.2018**