



Twenty-Fifth National Convention of Mechanical Engineers

Theme : Challenges for Manufacturing in the Next Decade

November 6-7, 2009

New Delhi

Sponsors :



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I.T.S. Engineering College
Greater Noida

Host Centre :

**The Institution of Engineers (India)
DELHI STATE CENTRE**

Under the Aegis of :

**The Institution of Engineers (India)
Mechanical Engineering Division Board**



INTRODUCTION

The Delhi State Centre of The Institution of Engineers (India) will be organizing 25th National Convention of Mechanical Engineers with the theme "Challenges for Manufacturing in the Next Decade" during November 6-7, 2009 at New Delhi.

PREAMBLE

The Indian Economy is passing through turbulent phase. The Global Meltdown is debilitating the Indian industries, mainly Manufacturing Sector. Heavy slump in demands, unstable oil prices, food security stress and high interest rates are adversely impacting this sector. In addition, product quality, reliability of service, customer's loyalty, competitive prices, power shortage & environmental considerations are already posing threats to the poor-performers.

On the other hand, emerging economies, social and political transitions, and new ways of doing business are changing the world dramatically. These trends suggest that the competitive environment for manufacturing industries in the next decade will be significantly different than what it is today. To be successful in this competitive environment, manufacturing sector of the next decade will require significantly improved capabilities. The attainments of these capabilities along with negating the impact of current scenario represent the challenges to the manufacturing sector.

NEED

Realizing the above situation, Mechanical Engineering Division Board of The Institution of Engineers (India) has decided to discuss the emerging situation in the manufacturing sector, future challenges and to meet the requirements of future manufacturers.

OBJECTIVE

The Convention will provide an opportunity :

- To discuss the current challenges for manufacturing sector and
- To identify the sub - sectors' need to meet emerging requirements.

TOPICS FOR DISCUSSION

The thrust areas will focus on Grand Challenges for manufacturing sector in the coming decade. Authors can also contribute on some or other sub-themes related to the Convention.

- (i) Present Scenario & Future Challenges to Indian Manufacturing Sector
- (ii) Advances in Manufacturing :
 - Laser Based Manufacturing
 - Smart Machining
 - Concurrent Manufacturing
- (iii) Computer Based Manufacturing :
 - CAD
 - CAM
 - CIM
 - FMS
- (iv) Mechatronics
- (v) Non - Conventional Methods in Manufacturing like ECM, EDM, EBM, LBM, HERF etc.
- (vi) Modeling & Simulation in Manufacturing

- (vii) ERP; CRM; Supply - Chain Management.
- (viii) Challenges in the application of Nano Technology to the Manufacturing Sector
- (ix) Challenges of IT, Productivity and Quality in Manufacturing Sector
- (x) Mechanical Engineering Interventions for Climate Security.
- (xi) New trends in Maintenance to enhance Manufacturing Plants Effectiveness.

KEY-SUB SECTORS

The Convention will focus on following key sectors that comprise in the bulk of Indian manufacturing.

- Capital Engineering Goods.
- Mining , Steel & non- ferrous Metals
- Petroleum, Chemical & Fertilizers
- Consumer Durables
- Defence Production
- Electronics, IT Hardware & Peripherals
- Food Processing
- Gems & Jewelry
- Leather & Leather Products
- Textiles & Apparels
- Water Equipment
- Packaging

ABOUT THE ORGANISER

Delhi State Centre, The Institution of Engineers (I) :

The Institution of Engineers (India) is the largest body of Professional Engineers in India with a total membership of around 5.0 lacs. Our product and services are: a sound examination system that helps in upgradation of skills and knowledge; Library and reference services and conferencing opportunities for exchange of views and sharpening of skills. In all these sectors, the members had desired that the service they received from the Institution should be of the top most cost effective manner. The Delhi State Centre has a history of more than 80 years and is a landmark in the city of Delhi.

The Delhi State Centre has played a crucial role in uniting various professional societies right from its inception. Delhi State Centre had organized various successful activities which includes International and National Conferences, All India Seminars, Round Table Conferences and Workshops relating to different strategy of Engineering and having crucial impact on society.

Our Conferences have traditionally received patronage and participation of leading Organization and Corporates. Invited talks by experts of the field along with contributory papers covering wide spectrum of subjects topics will be delivered for the benefits of participating delegates.

GUIDELINES FOR PREPARING THE PAPER

- The paper should be typed in A-4 size with 25 mm margin from all side in MS-word Document with 1 line spacing and font: - Times New Roman, size 12.
- The author(s) name, designation and organization are to be mentioned below the title.
- The preferred order of contents of paper should be:-
Title of paper; Author(s) name(s); Abstract of not more than 150 words, aims, method used, other details,

results obtained and conclusions reached; Acknowledgments & Reference(s).

- All figures, annexes, exhibits etc; are to be properly indexed and references are to be clearly indicated in the body of the text.
- The maximum length of the paper is to be limited to 6 pages.
- One hard copy of the paper is to be submitted along with a soft copy in CD. The same should also be submitted through e-mail.
- A brief Bio-data of the author (s) not exceeding 200 words and a PP size photograph should also be enclosed along with the paper.
- Papers are considered for publication on the understanding that these have not been submitted to any other publishers. The copyright of papers accepted for publication becomes the property of the Institution of Engineers (India) and reproduction of any part of the paper elsewhere is not allowed without the prior permission of the Institution. **Contributors are required to sign a declaration to this effect while submitting their papers.**

WHO SHOULD ATTEND?

- Members of Mech. Engg. Division of IEI
- Senior Level Officers from Govt. Departments & PSUs and related Agencies, involved in Policy & Decision Making.
- Senior Level Management Personnel from Manufacturing and Allied Industries.
- Academician & Research Scholars
- Line Managers and Supervisory management personnel engaged in daily basis in interaction with work force

CONVENTION'S HIGHLIGHT

The Convention will be conducted in two days, covering varieties of sessions and programmes, such as :-

- State-of-art-Lecture(s)
- Memorial lecture : Dr S C Bhattacharyya and Dr S P Luthra respectively
- Felicitation of Eminent Engineers
- Plenary & Technical Sessions : Focusing themes of importance
- Exhibition
- Convention Dinner

REGISTRATION

All those who wish to participate in the Convention are requested to fill the enclosed registration form and return it along with the fee latest by October 31, 2009.

Category	Registration Fee
(i) Delegates nominated by Industry & Non Members	: Rs. 3,000.00
(ii) IE (I) Members & Academicians	: Rs. 1,500.00
(iii) Students/Research Scholars	: Rs. 800.00

* Discount of Rs. 300/- per delegate will be given, if more than 6 delegates are registered under category (i).

The registration fee may be remitted by account payee draft/cheque payable at New Delhi in favour of "The Institution of Engineers (India), A/c 25th Mechanical Convention". Outstation cheques are not acceptable.

TIME FRAME

Submission of Paper	24.10.2009
Intimation of Acceptance	26.10.2009

DATE & VENUE

The Convention is scheduled for November 6-7, 2009 at "Engineers Bhawan", The Institution of Engineers (India), Delhi State Centre, 2, Bahadur Shah Zafar Marg, New Delhi-110002.

SOUVENIR

A souvenir containing messages, selected contributions and advertisements would also be brought out to mark the occasion.

It will be circulated widely amongst the participating delegates, sister professional societies, sponsors and other important organizations.

The rates for advertisement in the souvenir are as follows:

Outside cover (Colour)	Rs. 30,000
Inside cover (Front or back)	Rs. 20,000
Centre spread (Two pages)	Rs. 25,000
Full page (Colour)	Rs. 15,000
Full page (Black & White)	Rs. 10,000
Half page (Black & White)	Rs. 6,000

The advertiser must provide all artwork in advance in C.D by October 31, 2009.

SPONSORSHIP

The Institution of Engineers (India) being a voluntary professional body, the Seminars & Conventions are organized on self-supporting basis. The Organizer requests kind patronage from the various companies, organizations, trading houses both under private and public sectors, concerned with the theme, for the successful conduct of the event.

The financial supports provided by various agencies would be acknowledged and their name would be highlighted by The Institution of Engineers (India) in all literature concerning the Convention.

The Convention is open to Sponsorship/Co-sponsorship/Associate sponsorship. The fees are:

Sponsor	: Rs. 2,00,000 (15 delegates & Two Full Page Colour Advertisement free)
Co-sponsor	: Rs. 1,00,000 (8 delegates & One Full Page Colour Advertisement free)
Associate sponsor	: Rs. 50,000 (5 delegates & One Full Page B/W Advertisement free)

EXHIBITION

Stalls will be available for display at exhibition site adjacent to the Convention's venue at nominal charges, as follows :

Stall size 2m × 3m (approx.)	: Rs. 15,000/-
Stall size 3m × 3m (approx.)	: Rs. 20,000/-

ACCOMMODATION & TRANSPORT

Delegates are requested to make their own arrangement for accommodation and transport.

COMMITTEES

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ORGANIZING SECRETARY

- Dr H G Kamble, Hony. Secretary, IEI-DSC

For Further enquiries, contact :

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