

# **WORLD CONGRESS**

**On**

**“Frontiers of Mechanical, Aeronautical and Automobile Engineering” (WCFMAAE-2013)**

**Organized by  
“Krishi Sanskriti”**

**On  
2<sup>nd</sup> – 3<sup>rd</sup> February 2013**

**Venue:  
Vishwakarma Bhawan,  
Shaheed Jeet Singh Marg,  
New Delhi-110016**

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## **Call for Papers and Conference Themes**

The Organizers cordially invites Abstracts and Full Research Papers from all over the world to participate in the World Congress on “Frontiers of Mechanical, Aeronautical and Automobile Engineering” (WCFMAAE– 2013) on the following scientific areas for presentations and discussions thereafter.

The field of mechanical, aeronautical and automobile engineering embraces a broad spectrum of technical activities including several dimensions of engineering along with the classical techniques of work methods, production and quality control as well as safety aspects. It also incorporates the fields of human factors, operational research, manufacturing systems as well as management systems. WCFMAAE–2013 is the premier forum for communication of new frontiers in the fields of mechanical, aeronautical and automobile engineering that will focus on various techniques and applications. The conference covers most of the theoretical and experimental topics and also encourages the submission of critical review articles covering advances in recent research of such fields.

The conference aims at providing an opportunity for exchange of ideas and dissemination of knowledge among Academia, Industry, Research Scholars, Scientists, Entrepreneurs and N.G.O for sharing of knowledge followed by discussion related to frontiers of mechanical, aeronautical and automobile engineering. Contributions are invited from prospective authors from related areas. All contribution should be of high quality, Original and not published elsewhere or submitted for publication. During the review period, Papers will be reviewed by eminent scholars in the respective areas.

Topics of interest for submission include, but are not limited to:

## **Themes**

### **Mechanical Engineering**

Applied Mechanics

Bioengineering, Biomechanics and Geomechanics

Ballistics

CAD/CAM/CIM/HVAC

Compressible Flows

Computational Techniques and Mechanics

Cryogenics and Thermal Control Technologies

Dynamics and Vibration

Energy Engineering and Management

Engineering Materials(Composite and Smart Materials)

Energy Sources, Fules/Alternate fuels and Combustion

Fluid Mechanics, Fluid Dynamics and Machinery/ Machine Design

Fatigue and Fracture

Heat Pipe Technologies, Heat and Mass Transfer

High Capacity Heat Rejection Systems

Industrial, Mechanical, Systems Science and Engineering

Innovative Techniques in Nuclear Energy

Instrumentation and Control

Internal Combustion Engines

Logistics and Scheduling

Magnetic Properties

Manufacturing & Production Engineering

Marine System Design

Material Science and Processing

Materials for Energy and Environmental Applications

Mechanical Behavior of Materials

Mechanical Power Engineering

Mechanical Properties and Nano mechanics

MEMS and Nano Technology

Microgravity Thermo physics

Nanotechnology/Nanomaterial Engineering

Noise and Vibration

Non-destructive Evaluation

Nonlinear Dynamics

Optoelectronics, Optical and Photonic Materials

Oil and Gas Exploration

PC guided design and manufacture

Plasticity Mechanics

Precision mechanics and mechatronics

Printing Technology

Pollution and Environmental Engineering

Quality assurance and environment protection

Refrigeration and Air Conditioning

Resistance and Propulsion

Robotic structures, kinematics & control

Structural Engineering and Solid Mechanics

Self Assembly ,Sensors

Shape Deposition Manufacturing

System Dynamics and Simulation

Textile and Leather Technology

## Aeronautics Engineering

Advanced In-Space Propulsion & Power Concepts  
Aircraft Fuel System  
Aero elasticity and Space faring  
Atmospheric Flight Dynamics  
Flight and Space Mechanics  
High Frequency Gravity Wave Generation Detection  
Aerodynamics and Hypersonic Aerodynamics  
Industrial Aerodynamics  
Liquid Propellant Rockets  
Lunar In Space Resource Utilization  
Lunar Lander Technologies and Design  
Neuro-Fuzzy Control  
Navigation, Guidance and Control  
Space Dynamics and Control  
Wind Tunnel Design and Testing

## Automobile Engineering

Emerging Automotive Technologies  
Vehicle Design and Manufacturing  
Vehicle Dynamics and Intelligent Control Systems  
Vehicle safety  
Power Units and Transmission  
Automotive Diesel Engines  
Automotive Chassis  
Vehicle Body Engineering  
Vehicle Dynamics  
Engineering Economy & Financial Management  
Transport Management and Automobile Industry  
Tribology and Terotechnology  
Micro Processor Application in Automobiles  
Navigational Aids and Guidance  
casting and welding

### Abstract Submission:

Abstracts not exceeding 300 words on any of the aforesaid themes should be sent to the Organizing Secretary through email at [conferenceiniitdelhi@gmail.com](mailto:conferenceiniitdelhi@gmail.com) on or before 12th January 2013.

### Submission of Full Length Research Paper

Full length research papers should be submitted as per IEEE format, Maximum in 4 pages by 20 January 2013 through email at – [conferenceiniitdelhi@gmail.com](mailto:conferenceiniitdelhi@gmail.com), Selected papers will published after peer review process in an International Journal having ISSN Number

### Important Dates

1. Last Date of Submission of Abstract: 12<sup>th</sup> January 2013
2. Intimation of Acceptance of Abstract: 13<sup>th</sup> January 2013
3. Submission of Full Length Research Paper with Registration Form and Fees : 20<sup>th</sup> January 2013
4. Conference Date: 2<sup>nd</sup> and 3<sup>rd</sup> February 2013

### Accommodation

Free one day Accommodation will be available to the limited no. of out station non N.C.R. Delegates at I.I.T. Delhi Guest house and nearby other guest houses/hotels around conference venue.

The Tariff rate for next day and subsequent day accommodation is as follows: Double-bed A.C Room @ Rs.600/- per person (Indian non N.C.R. delegates) and 30 USD for Foreign delegates on sharing basis per day (check out time noon to noon).

Transportation facility from guest house to the conference Venue will be provided by the organiser.

## Registration

The participants are requested to register by sending the duly filled Registration form through e-mail along with their research paper and registration fees (through NEFT and Online Transfer)

Bank Details mention below for NEFT / Online Transfer.

**Beneficiary Name** : Krishni Sanskriti  
**Bank Name** : Canara Bank  
**Bank Address** : Jeet Singh Marg, New Delhi  
**Account No.** : 1484101026988  
**Account Type** : Savings  
**IFSC Code** : CNRB0001484  
**Swift Code-** : CNRBINBBID

### Registration Charges:

Categories	Indian Delegates	SAARC/ African Country Delegates	Rest of the countries
Academic faculty/Industrial Delegates	3000 INR	100 USD	250 USD
Students / Scholars / NGO	2000 INR	75 USD	200 USD
Printing of Additional Page in Proceeding	400 INR	15 USD	20 USD
Listener / Accompanying Member	1000 INR	30 USD	50 USD
Proceeding Journal (additional copy) & Certificate for Co-Authors (if required)	600 INR	25 USD	50 USD
Only Certificates (Co-Authors)	200 INR	10 USD	15 USD
Additional Research for same authors	1000 INR	30 USD	50 USD

Mandatory steps to be followed:- (CO-AUTHORS)

1. In case of multi authored research paper, one Registration is mandatory.
2. In case other author/co-author wish to physically attend the conference they need to pay full Registration fees individually, separate Journal & Certificate along with the conference kit will be issued to them. Co- Authors are requested to fill & submit separate Registration forms.
3. Author/ Co-Author opt for preliminary Registration by paying 50% of the Registration amount before due date. Rest of the balance amount can be paid on the spot, on the day of conference without surcharge.
4. Charges for extra copy of Journal/ Certificate for other Co-author (if required) should be paid along with preliminary Registration by the corresponding author.

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**For further information and Latest Updates, Write us at**  
"conferenceiniitdelhi@gmail.com" or visit  
**our Website**  
<http://krishisanskriti.bravesites.com>  
**Dr. Govind Chandra Mishra, Organizing Secretary**  
**Contact No. : +91-9013461579**

NOTE – 1: In case Research article is accepted by the editorial committee it will be published and released on the day of conference, in case the delegates are not able to physically present their paper due to some or other reason his/her research paper will be published (in absentia) and the published copy along with certificate will be dispatched to his/her correspondence address by post just after the conference at no extra cost.

NOTE – 2: For submission of abstract and full length research paper use following Email ID: [conferenceiniitdelhi@gmail.com](mailto:conferenceiniitdelhi@gmail.com)