

1ST NATIONAL CONFERENCE ON THERMAL, FLUID & MANUFACTURING SCIENCE (TFMS - 2012)

JANUARY 20 - 21, 2012



ANNOUNCEMENT AND CALL FOR PAPERS

JOINTLY ORGANIZED BY:-

DEPARTMENT OF MECHANICAL
ENGINEERING,
C. K. PITHAWALLA COLLEGE OF
ENGINEERING AND TECHNOLOGY,
SURAT - 395007
&
INSTITUTION OF ENGINEERS [I],
SOUTH GUJARAT LOCAL CENTER,
SURAT

ABOUT THE INSTITUTE

THE INSTITUTE (CKPCET), SURAT IS ONE OF THE LEADING TECHNICAL INSTITUTE OF GUJARAT, INDIA, ESTABLISHED IN 1998 UNDER NAVYUG VIDHYABHAVAN TRUST. THE INSTITUTE SPANS OVER AN AREA OF 100 ACRES NEAR THE PICTURESQUE BANK OF RIVER TAPI. THE INSTITUTE OFFERS FIVE UG COURSES IN ENGINEERING DISCIPLINE WITH APPROVED INTAKE OF 420 STUDENTS PER YEAR (WITH TOTAL OF 1680 STUDENTS). THE DEPARTMENT OF MECHANICAL ENGINEERING IS ONE OF THE PIONEERING DEPARTMENTS OF THE INSTITUTE. THE R&D WORK IN DIFFERENT FIELDS OF MECHANICAL ENGINEERING IS BEING CARRIED OUT WITH THE SUPPORT OF WELL-EQUIPPED LABORATORIES, WORKSHOPS, AND COMPUTING FACILITIES.

ABOUT IE (INDIA)

THE INSTITUTION OF ENGINEERS (INDIA), IE(I), IS A MULTIDISCIPLINARY PROFESSIONAL BODY THAT ENCOMPASSES FIFTEEN ENGINEERING DISCIPLINES AND GIVES ENGINEERS A GLOBAL PLATFORM TO SHARE PROFESSIONAL INTERESTS. IE(I), SOUTH GUJARAT LOCAL CENTER (SGLC) WAS ESTABLISHED IN 1976 AS A CENTER OF IE(I) CALCUTTA & UPGRADED TO LOCAL CENTER IN 1988 FOR SOUTH GUJARAT REGION. THIS FACILITY IS EXTENDED TO IE (I) SGLC MEMBERS AND AMIE REGISTERED STUDENTS TO ORGANIZE DIFFERENT TECHNICAL EVENTS IN ASSOCIATION WITH SURROUNDING ACADEMIC INSTITUTIONS & INDUSTRIES.

CONFERENCE THEME

THE MAIN OBJECTIVE OF THE CONFERENCE IS TO PROVIDE AN IMPROVED UP-TO-DATE UNDERSTANDING OF THE FUNDAMENTALS, PRINCIPLES AND PRACTICES ASSOCIATED WITH THERMAL, FLUID AND MANUFACTURING SCIENCE. THE CONFERENCE WILL PROVIDE A PLATFORM FOR SCIENTISTS, ENGINEERS AND STUDENTS TO GET TOGETHER FOR THE DISSEMINATION OF STATE OF THE ART ADVANCES IN THERMO-FLUID & MANUFACTURING SCIENCE AND TO ENHANCE FUTURE COLLABORATIVE RESEARCH ACTIVITIES. THE CONFERENCE WILL BE A MEANS OF DISSEMINATING INFORMATION CONCERN WITH RECENT RESEARCH AND DEVELOPMENT ACTIVITIES IN DIFFERENT FIELDS OF THERMAL SCIENCE, MANUFACTURING AND FLUID DYNAMICS; FIELD OF FURNACES AND COMBUSTION, I. C. ENGINES AND RELATED AREAS, REDUCTION OF POLLUTANT EMISSIONS, FIRE SAFETY, ETC

THIS CONFERENCE FOCUSES ON TODAY'S TECHNICAL CHALLENGES, RESEARCH UPDATES AND BREAKTHROUGH INNOVATIONS THAT ARE SHAPING THE FUTURE OF ENGINEERING SCIENCE. THE CONFERENCE CONVENES ENGINEERS, SCIENTISTS AND TECHNOLOGISTS OF ALL DISCIPLINES FOR THE PURPOSE OF EXPLORING SOLUTIONS TO GLOBAL CHALLENGES & FOR THE ADVANCEMENT OF ENGINEERING EXCELLENCE WORLDWIDE.

CALL FOR PAPERS

THE SUBJECT OF THE PAPERS INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

- ADVANCES IN AEROSPACE SCIENCES
- ADVANCES FOR POWER & PROCESS INDUSTRIES
- ALTERNATIVE SOURCES OF ENERGY
- COMBUSTION SCIENCE AND ENGINEERING
- DESIGN OF THERMAL FLUID & MANUFACTURING SYSTEMS.
- ENERGY SYSTEM ANALYSIS, THERMODYNAMICS AND SUSTAINABILITY
- FLUID AND THERMAL SYSTEMS
- HEAT AND MASS TRANSPORT PROCESSES
- IC ENGINES AND ADVANCES IN AUTOMOTIVE TECHNOLOGIES
- MATERIAL SCIENCE AND METALLURGY
- MANUFACTURING SCIENCE
- MECHANICAL & INDUSTRIAL DESIGN
- OPTIMIZATION, UNCERTAINTY AND PROBABILITY
- PRESSURE VESSEL AND PIPING
- SAFETY ENGINEERING, RISK ANALYSIS AND RELIABILITY METHODS
- VIBRATION, ACOUSTICS, TRIBOLOGY
- TURBOMACHINERY AND PROPULSION

DETAILED DESCRIPTION OF CONFERENCE TOPICS IS AVAILABLE ON

WWW.CKPCET.AC.IN
WWW.IEISURAT.COM

KEYNOTE LECTURES

KEYNOTE LECTURES WILL BE DELIVERED BY EMINENT PERSONNELS OF IITS, NITS R&D LABORATORIES & GOVT. /NON GOVT. ORGANIZATIONS & INDUSTRY. THE DETAILS ARE AVAILABLE ON CONFERENCE WEBSITE.

SUBMISSION OF PAPER

THE AUTHORS ARE REQUESTED TO SUBMIT ABSTRACTS (APPROXIMATELY 250 WORDS) THEIR ORIGINAL UNPUBLISHED WORK IN THE FIELD OF THERMAL, FLUID & MANUFACTURING SCIENCE OR RELATED TOPICS LISTED. THE PAPER FORMAT IS AS PER THE TEMPLATE AVAILABLE ON WEBSITE:-

WWW.CKPCET.AC.IN
WWW.IEISURAT.COM

THE MAXIMUM NUMBER OF PAGES ARE LIMITED TO 6 AND SHOULD BE SUBMITTED IN WORD AND PDF FORMAT BOTH. TITLE, AUTHORS, AFFILIATION, ADDRESS, PHONE NUMBER AND E-MAIL OF THE AUTHOR(S) MUST BE INCLUDED. AUTHOR(S) WILL BE NOTIFIED ABOUT THE ACCEPTANCE / REVISION / REJECTION OF THE PAPER AS PER PUBLICATION SCHEDULE. ALL PAPERS MUST BE SUBMITTED ONLINE TO THE COORDINATORS AT :-

TFMS2012@YAHOO.IN
TFMS2012@HOTMAIL.COM

ALL REGISTERED PAPERS WILL BE PUBLISHED IN CONFERENCE PROCEEDING BEARING AN ISBN NUMBER BY LEADING PUBLICATION HOUSE OF INDIA. BEST 10-20% OF THE ACCEPTED PAPERS WILL BE RECOMMENDED FOR PUBLICATION IN REPUTED JOURNALS. THE LIST OF JOURNALS IS MADE AVAILABLE ON THE WEBSITE:

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NOTE:-

ONLY REGISTERED PARTICIPANT PAPER(S) WILL BE PUBLISHED IN CONFERENCE PROCEEDING

IMPORTANT DATES

LAST DATE OF ABSTRACT SUBMISSION 30TH SEP, 2011

NOTIFICATION OF ACCEPTANCE OF ABSTRACT 14TH OCT, 2011

LAST DATE OF DRAFT PAPER SUBMISSION 18TH NOV, 2011

NOTIFICATION OF ACCEPTANCE OF DRAFT PAPER 16TH DEC, 2011

LAST DATE OF FINAL PAPER SUBMISSION 23RD DEC, 2011

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LAST DATE OF REGISTRATION 5TH JAN, 2012

REGISTRATION DETAILS

DELEGATES FROM R&D & INDUSTRIES: Rs. 3000/-

FACULTY FROM ACADEMIC INSTITUTIONS

MEMBERS OF IE: Rs. 1500/-

NON MEMBER OF IE: Rs. 2000/-

STUDENTS: Rs. 1000/-
RESEARCH SCHOLAR & PG

REGISTRATION FEES TO BE PAID BY BANKER'S CHEQUE/DEMAND DRAFT, DRAWN IN A FAVOR OF "COORDINATORS, TFMS-2012" PAYABLE AT SURAT

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THE DETAILS OF HOTELS & HOSTELS
ARE GIVEN ON CONFERENCE WEBSITES.
ANY QUERIES REGARDING HOTEL &
HOSTEL RESERVATIONS MAY BE MAILED
TO CONFERENCE COORDINATORS.

CONFERENCE VENUE

**INSTITUTION OF ENGINEERS(INDIA),
SOUTH GUJARAT LOCAL CENTER,
ICHCHHANATH,
SURAT - 395007**

CONFERENCE VENUE IS LOCATED AT
ICHCHHANATH ON A SURAT - DUMAS
ROAD AT A DISTANCE OF ABOUT 10
KMS FROM SURAT RAILWAY STATION. IT
IS EASILY ACCESSIBLE THROUGH AUTO
RICKSHAWS AND CITY BUSES WHICH
REGULARLY PLY BETWEEN SURAT
RAILWAY STATION AND ICHCHHANATH/
PIPLOD.

ABOUT SURAT

SURAT, THE CLEAN CITY OF INDIA, IS
WELL KNOWN FOR ART SILK, ZARI AND
DIAMOND INDUSTRIES. SURAT IS
LOCATED AT A DISTANCE OF ABOUT 250
KMS FROM MUMBAI AND IT IS WELL
CONNECTED TO ALL MAJOR CITIES OF
INDIA BY RAIL AND ROAD. THE CLIMATE
OF SURAT IN THE MONTH OF JANUARY
IS USUALLY MODERATE AND THE
TEMPERATURE REMAINS IN THE RANGE
OF 20 - 30 °C .

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TELE. NO:

E-MAIL:

DETAILS OF REGISTRATION FEES:
Rs (Rs. ONLY)

DRAFT NO:

DATED:

DRAWEE BANK:

SIGNATURE OF THE PARTICIPANT.....
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