

**St. PETER'S INSTITUTE OF HIGHER EDUCATION
AND RESEARCH
St. PETER'S UNIVERSITY
AVADI, CHENNAI 600054**

International Conference on

**Selection, Design and Fabrication of Metallic
and Non-Metallic Components and Structures
for Nuclear and Other Power Plants**

March 3-4, 2016

**Department of Mechanical Engineering
www.stpetersuniversity.org**

ABOUT THE UNIVERSITY:

St. Peter's Engineering College established in the year 1993 has been declared as a Deemed-to-be-University by the Ministry of Human Resource Development – Government of India – New Delhi, under Section 3 of the UGC Act 1956 in 2008.

St.Peter's Institute of Higher Education and Research strives continuously to focus on imparting quality technical education introducing innovative programmes leading to Research and Development for sustainable growth. Thirteen branches of Engineering Courses at the Graduation level and ten master level programmes along with Management and Computer Science disciplines are offered. Further the University also offers M.Phil and Ph.D programmes in Science, Engineering and Management Studies. In the Department of Mechanical Engineering, B.E. (Mech Engg.) and M.E. (Engg Design, CAD/CAM, Thermal Engg, Advanced Manufacturing Tech.) programmes are offered.

The University is located in a serene environment in Avadi. There are many industries in and around our university including one of the largest industrial estates in Amabattur. The university is easily commutable by bus and train. Annanur railway station, on the Chennai Central – Tiruvallur broad gauge section is just 1½ km from our university. The university also runs buses for different parts of the city for the benefit of the students. Separate hostel facilities are available for boys and girls. Limited accommodation is also available for guests. The university aims to develop into a top class professional institution providing training to students to take up challenging assignments and contribute to national and international development.

ABOUT THE CONFERENCE

The International conference on Selection, Design and Fabrication of Metallic and Non-Metallic Structures for Nuclear and Ultra Super Critical Thermal Power Plants provides an international forum for the dissemination of research and development in the specified field of latest developments and industry practice, at a time when the pressure is on all engineers, for design and manufacturing process to optimize use of materials and use latest technologies. This conference provides information that will help improve efficiency, productivity and competitiveness in world markets. This conference provides an opportunity for the participants to interact about the innovative and cost effective materials and their application in manufacturing engineering.

This conference aims to provide a platform for exchange and articulation of knowledge frontiers, developments and advancements in the fields of processing of materials and manufacturing process. Materials are the bridge between an engineering design of a structure, its functional performance and service life or durability. Materials also underline the capabilities of any design and indeed define its limitations too. In this event, to provide an opportunity to various academicians, industrialist, research scholars, students and technologists engaged in different fields like government

/public/private organizations in order to highlight the new developments in various specializations of mechanical engineering such as industrial, production, design, thermal and manufacturing technologies and management come together for two days of engagement in presentations, and discussions.

The discussions will provide opportunity to highlight recent developments and identify solutions to thrust areas for potential growth and research.

The selected paper will be published in peer reviewed journal.

TOPICS OF THE CONFERENCE

Material Science and Processing
Composites and Smart Materials
CAD/CAM/CIM/FEM/CFD
Automation, Mechatronics and Robotics
Mechanical Design/IC Engines/Alternate Fuels
Mems and Nanotechnology
Optimization Techniques
Manufacturing and Production Processes
Tribology
Heat Transfer Techniques
Fatigue and Fracture
Operations Management
Any other advanced topic in mechanical and manufacturing engineering.

ORGANISING COMMITTEE:

Patron	Dr. Bhanumati T, Chancellor, St. Peter's University, Chennai 600 054
Chairman	Dr. S. Ravichandran, Vice-chancellor St. Peter's University, College Road, Avadi, Chennai 600 054.
Coordinator	Dr. P. Periyasamy, Professor / Dept. of Mechanical Engineering, St. Peter's University.

ADVISORY COMMITTEE:

Dr.L.Pedrio Limo Rewel, Baptist University, Hong Kong
Dr.Ilw C.Gebeshuber, UK-Malaysia
Dr.O.Tareic Rathor, University of Bridgeport, USA
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Dr.C.Thiagarajan, Saveetha University
Dr.A.Ethiraj, Dr.MGR, University
Dr.T.Velraj, SASTRA, University, Thanjaour

REGISTRATION:

The Conference will be useful for faculty of various institutions, research scholars, postgraduate students, practicing engineers and scientists working in R&D institutions. The registration fee is as given below.

Staff members and PG students: Rs. 1500.00

Members from Industry and R&D institutions
: Rs. 2000.00

The registration fee is payable by Demand Draft drawn in favour of The Vice Chancellor, St. Peter's Institute of Higher Education and Research, Avadi, Chennai. The registration fee will cover cost of delegates' kit, and tea/coffee/snacks during the Conference

Important Dates:

Last date for sending the paper : 15-02-2016

Intimation of acceptance by e-mail : 20-02-2016

For further details, contact:

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REGISTRATION FORM

Name:

Designation:

Address:

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Mobile No.....

E-mail ID:

Experience:

Teaching.....Industry.....

R&D.....

Details of Registration Fee:

Name of the Bank:

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DD No.....

Date.....:

Amount

Signature of the participant

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We agree for sponsoring

Mr/Ms/Dr.....

to attend the Conference.

Date:

Signature of the Sponsor:

Name:

Seal:

Designation:

The registration form along with Demand Draft has to be sent to: The Vice Chancellor, St Peter's University, College Road, Avadi, Chennai 600054.