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The Department of Mechanical Engineering at IIT Madras is as old as the Institute itself. Its impact on the institute and on society is easily demonstrated by noting the alignment of the department's evolution with key events and technological advances in the India and elsewhere. Today, the department of Mechanical engineering of IIT Madras attracts and features an extraordinary rich diversity and quantity of talented individuals, with nearly 700 undergraduates, 500 graduate students and over 60 faculty members. The impressive array of students makes the department as the largest in the country and one of the largest in Asia.

In addition to teaching undergraduate and graduate students, the faculty of Mechanical Engineering actively pursues research through graduate students. The current graduate students include nearly 150 Master of Technology students (M.Tech), 170 Master of Science (by research) students (M.S.) and 300 students pursuing their doctoral programme (Ph.D).



BRNS - PFRC TOPICAL MEETING

2nd WORKSHOP ON

LITHIUM CERAMICS FOR TRITIUM BREEDING (LCTB-2016)

(23rd - 24th August, 2016)



ORGANIZED BY

Department of Mechanical Engineering
IIT Madras

In collaboration with

Institute for Plasma Research
Gandhinagar

Sponsored by

PLASMA AND FUSION RESEARCH
COMMITTEE (PFRC)
BOARD OF RESEARCH IN NUCLEAR
SCIENCES (BRNS)



About the Workshop

Workshop on the “Development of Lithium based Ceramics for Tritium Breeding” is being organised at IIT Madras in collaboration with IPR. The objective of the conference is to share the knowledge of research and development work on breeder materials. The workshop aims to provide a forum for presentations and discussions by eminent speakers, scientists and research scholars in this area.

Scope

The workshop is to provide a forum for scientists, academia and engineers to share and exchange their latest ideas and original works in order to promote continued research and development on lithium based ceramic breeder materials for use in Test Blanket Module (TBM) for tritium extraction. The presentations include production and developments of lithium ceramic materials, mechanical and thermal characterisation, modelling and trends of future developments etc.

The workshop aims to build a strong network of scientists and academia in this field to serve the nation's Contribution towards Fusion program.

Workshop Topics

The workshop will include technical sessions constituting of invited lectures and contributing papers on

- Progress in ceramic breeder material development and production
- Characterisation of breeder materials
- Pebble beds experiments and modelling
- Topical discussions

Call for Abstracts

Authors are requested to submit abstracts for presentation. The deadline for abstract submission is 10th August 2016. The abstract can be submitted as an attachment via electronic mail (in MS Word or PDF versions) to ratna@iitm.ac.in with subject line: Abstract for LCTB-2016 or can be submitted through workshop website:

www.home.iitm.ac.in/ratna/lctb2016

Key dates

Abstract Due: 10th August , 2016
Notification to authors: 15st August , 2016
Workshop Opening: 23rd August , 2016

Accommodation

Limited accommodation on shared basis (on payment) will be made available in Taramani Guest House, IIT Madras. The participants can check-in one day before the conference begins. Due to prior commitments, the participants are requested to vacate the rooms on the evening of 24th August 2016.

Participants wishing to stay outside the campus may choose from various options available around the region. Some of the hotels that are close to the campus are:

1. Ginger Hotel, IITM Research Park.
2. The Westin Chennai, Velachery.
3. Design Hotel Chennai, Phoenix Marketcity, Velachery.
4. The Lemon tree hotel, Sardar Patel Road, Adyar.
5. OYO Apartments Velachery MRTS
7th Main Road Ram Nagar, Velachery.