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Mr. B.KARTHIKEYAN, Organising Secretary

Department of Manufacturing Engineering
(DST-FIST level 2 sponsored & UGC-SAP assisted DRS Department)

Annamalai University

Annamalainagar – 608 002

TamilNadu

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ABOUT ANNAMALAI UNIVERSITY

Annamalai University is a residential University founded in 1929 by Dr.Rajah Sir Annamalai Chettiar, located in the temple town of Chidambaram. The University is spread over an area of 1000 acres and is situated at Annamalainagar (2 km from Chidambaram). It has Ten Faculty of study in different disciplines (49 Departments).

The Faculty of Engineering and Technology was established in the year 1945 and has nine Departments of study.

ABOUT THE DEPARTMENT

The Department of Manufacturing Engineering was established in 1984 has well qualified, committed and motivated faculty. It is a **DST-FIST level 2 sponsored & UGC-SAP assisted DRS Department**. It has full fledged laboratory such as Material Testing Lab, Metal Forming Lab and exclusive centre for Material Joining and Research. The Department offers UG, PG programs in Manufacturing Engineering, Nano Materials and Surface Engineering apart from Ph.D. The department is also actively involved in research and having established interactions with major R&D institutions across the country.

LOCATION

Annamalainagar is located at 2km from Chidambaram town. Chidambaram town is well connected by bus and rail route and it is located at 240 km south of Chennai on Chennai – Tiruchirapalli main line.

ADDRESS FOR CORRESPONDENCE

The Co-ordinator, ATM-2012

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UGC Sponsored

*National Workshop
on*

**Advances in Thermal analysis of
Materials
(ATM-2012)**

March 16 - 17, 2012

**Announcement
&
Call for papers**

Chairman

Dr. K.RAGHUKANDAN

Prof & Head, Dept. of Manufacturing Engg.

Coordinator

Dr. S. RAMANATHAN

Associate Professor, Dept. of Manufacturing Engg

Organising Secretary

Mr. B. KARTHIKEYAN

Associate Professor, Dept. of Mechanical Engg



Organised by

Department of Manufacturing Engineering

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Annamalai University

Annamalainagar – 608 002

Chidambaram, Tamilnadu

INDIA

THEME OF NATIONAL WORKSHOP

The structural components applied for the aerospace and automotive industries are often subjected to severe thermal and mechanical loads. Such a concentration of thermal stress around defects often results in catastrophic failure of components. The performance of the thermal control system totally depends upon the thermal behaviour of the materials used in its elements. The measurements of the thermal properties of materials are fundamental for better understanding of the thermal design. Thermal analysis is a family of techniques used for studying the thermo physical and kinetic properties of materials and are used for obtaining a wealth of information about a material. So, the Knowledge of thermal analysis techniques are necessary to explore the stability and behaviour of these materials for property development. These findings facilitate for selection and design of effective thermal control systems for aerospace and automotive industries, etc.

The future of advanced materials is complex and unpredictable as materials scientists strive to improve present materials and invent new ones to suit our needs. Advanced materials promise to meet the needs of consumers and outperform conventional materials with superior properties at all conditions. The most vital aspect of any industry, cannot progress without considering technological advancements. Keeping abreast of the increasing challenges and enchanting, the update in this arena is becoming increasingly mandatory.

This workshop would focus on the needs of the Industry in the rapidly changing technological ambience. This visage of the workshop is designed to provide a platform for materials scientists, researchers, engineers, practitioners from academia and industrial personnel to share and disseminate their expertise.

TOPICS TO BE COVERED (but are not limited to)

- ❖ Advanced instrumentation
- ❖ Thermodynamics and thermo chemistry
- ❖ Environmental technology and green chemistry
- ❖ Inorganic materials
- ❖ Composites testing and characterization
- ❖ High temperature material and energy
- ❖ Thermo chemical and thermo physical properties of materials
- ❖ Solid state reactions and kinetics
- ❖ Thermodynamics and phase diagram studies
- ❖ Thermal behavior of nanomaterials and coated particles
- ❖ Thermo physical properties in cryogenic applications
- ❖ Thermal analysis of Minerals, Pharmaceuticals, Glasses, High energy materials, Catalysts, Bio-materials, Structural alloys, Polymers and composites.

INVITED SPEAKERS

Eminent personalities from prestigious Academic institutions, Industries and Research organisations (RRL - Thiruvananthapuram, IGCAR - Kalpakkam, HAL -Bangalore, ISRO - Bangalore, DMRL – Hyderabad, BARC- Mumbai and CSIR) will present invited lectures in the workshop

IMPORTANT DATES

Abstract Submission	: 10-02-2012
Acceptance of Abstract	: 13-02-2012
Full Paper Submission	: 01-03-2012
Payment of Registration fees	: 01-03-2012

REGISTRATION FEES

Delegates from Industries	: Rs. 1200
Delegates from R&D and Academic Institutions	: Rs. 750
Research Scholars and students	: Rs. 600

The registration fee is to be paid through an account payee Demand Draft drawn in favour of ‘The Registrar, Annamalai University’ on ICICI Bank or Indian Bank payable at Annamalainagar. The Registration fee includes conference kit, food and refreshment. Accommodation will be arranged on request at nominal cost in the campus.

CALL FOR PAPERS

Abstract must be of one page about 250-300 words in length typed on A4 size paper with 25 mm margin space. Title, authors, affiliation, address, phone no., fax no. and e-mail ID of the authors must be included. Abstract may also be sent through e-mail. Authors will be notified about the acceptance of the abstract by February 13, 2012. The full paper as per prescribed format must reach the Conference Secretariat by 01-03-2012 with duly filled registration form.

REGISTRATION FORM

UGC Sponsored
National Workshop
on

Advances in Thermal analysis of Materials (ATM-2012)

March 16 - 17, 2012

1. Name :
2. Designation :
3. Department :
4. Institute / Organisation :
5. Address for Correspondence :

Phone: _____ Fax: _____

Email: _____

6. Participant category
Industry Academic Student
7. Participation Details (Please Tick)
a) I intend to attend the workshop
b) I intend to present a paper
8. Accommodation is required : Yes / No
9. Title of the Paper _____

10. Details of Registration Fee

Amount : _____ DD No. : _____

Date : _____

Bank Name & Place : _____

Signature of Participant

