

About the Institute

Amity School of Engineering & Technology (ASET) established on 1st November 1999, is among the first self-financing private engineering institutes in Delhi affiliated to GGSIP University and approved by AICTE. The institute is now in its 14th year of operation and 9 batches have been passed out. ASET offers courses leading to the B.Tech degree in (1) Electronics and Communication Engineering (2) Computer Science & Engineering (3) Information Technology (4) Mechanical and Automation Engineering and (5) Instrumentation and Control Engineering. As part of enhancing the overall personality of our students, we at ASET believe in encouraging our students to take part in various technical and cultural activities at all possible levels.

The faculty members at ASET are also engaged in research activities apart from their academic assignments. At present 7 faculty members have been already awarded their Ph.D. degree while working at ASET and 23 are registered in Ph.D. programme at various universities. Several papers in international/ national journals and 34 books have been published by faculty members.

About the Seminar

Ultrasonic Nondestructive Testing (NDT) is a useful technique that can be applied to a range of materials for the characterization of their microstructures, the appraisal of defects and determination of physical properties such as density, thermal conductivity and electrical resistivity. Ultrasonic measurements taken during the fabrication and heat treatment of materials can be used to ensure that the preferred microstructure is obtained and to prevent the formation of defects in welds between two different materials. Insight into the interaction of ultrasound with microstructure is also important for resolving many materials problems. Information about the microstructure can also be used in material description studies, such as nondestructive determination of grain size.

Keeping all these developments in mind, the **‘National Seminar on Materials Characterization by Ultrasonics’** is being organized by Department of Applied Sciences, Amity School of Engineering and Technology, Bijwasan, New Delhi during 3-4 April, 2012. The objective of this seminar is to provide a platform to bring Scientists, Engineers, Technocrats, Medical Practitioners, Researchers and Industries for mutual exchange of views, knowledge and planning for the future development in various area of Ultrasonics. These developments are very useful in the growth of ultrasonic science and the healthy growth of society. The topics which will be covered in this seminar are:

1. Ultrasonic Instrumentation
 2. Sensors and Transducers
 3. Biomedical Ultrasonics
 4. Physical Acoustics
 5. Signal Processing
 6. Under Water Ultrasonics
 7. Ultrasonic Standards and Calibrations
 8. Ultrasound in Nanoscience and Technology
 9. Laser Ultrasonics
- and many more related to field.

Proposed Sponsors

- Ministry of Earth Sciences, New Delhi
- Department of Science & Technology, New Delhi
- University Grant Commission, New Delhi
- Defense Research & Development Organization, New Delhi
- Indian National Science Academy, New Delhi
- Council of Scientific & Industrial Research, New Delhi
- Indian Council for Medical Research, New Delhi

Venue

The seminar would be held at the Amity School of Engineering and Technology, 580 Delhi Palam Vihar Road, Bijwasan, New Delhi.

How to Reach ASET

Please take either a prepaid taxi from the airport/railway station or Metro Train up to Dwarka Sector 21 and then take an auto for ASET which is about 5 Kms.

Registration Fees

- Participants from academic and research institution : Rs. 1000 /-
- Participants from Industry : Rs. 2000 /-
- Student Participants : Rs. 500 /-

Important Dates

- Submission of Abstract: 10 March, 2012.
- Intimation of Acceptance: 15 March, 2012.
- Submission of Full Paper: 25 March, 2012

Submission of Abstract/ Paper

Abstract of research paper may be sent to the convener of the seminar by e-mail. (e-mails: nsmcu2012@gmail.com, devraj2001@rediffmail.com)

Guidelines for Abstract

- Abstract should have a maximum of 300 words typed in Times New Roman font (12 point) with double line spacing.
- The soft copy of the paper should be submitted with the name of the presenting author underlined.
- The paper should be original one, not submitted/ published elsewhere.
- Each delegate is permitted to present only one paper as presenting author.

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Department of Applied Sciences, ASET, New Delhi

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If Yes, No. of accompanying persons:
Date and Time of arrival:
8. Registration Fee: Rs. DD No.
Bank name: Date:

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payable at New Delhi

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Signature

Note: Accommodation can be arranged at nearby hotel on request. The
payment will be made by the participant.

For further information contact:

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Dr. P.K. Yadawa – 9990665616

Dr. Giridhar Mishra – 9968120913

Tel.: 011-2806-2105/1487/2106

NATIONAL SEMINAR ON MATERIALS CHARACTERIZATION BY ULTRASONICS

(3-4 April, 2012)



-:Organized by:-

Department of Applied Sciences

AMITY SCHOOL OF ENGINEERING & TECHNOLOGY

580, Delhi Palam Vihar Road,

Bijwasan, New Delhi – 110061, India

An Institution of Ritnand Balved Education Foundation

(Affiliated to GGSIP University)

Jointly with



ULTRASONICS SOCIETY OF INDIA

National Physical Laboratory,

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