

Organizing Committee:

Chief Patron:

Dr. N B.R Prasad
Chairman, ANITS

Patron:

Dr. T V.Hanumnatha Rao
Principal, ANITS.

Chairman and Co-ordinator:

Dr.B.Naga Raju
Professor & HOD
Department of Mechanical Engineering
ANITS.

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Registration Details:

Registration is free for all participants. Send the scanned copy of the duly filled registration form to: hodmech@anits.edu.in by 20th December, 2019. The confirmation of the registration will be sent by 25th December, 2019.

Travel and Accommodation:

Outstation participants are eligible for TA by shortest route as per AICTE norms. Free accommodation will be provided for outstation participants on prior request.

Transport:

Participants can avail college bus facility during college timings. ANITS can also be reached by RTC buses starting from RTC Complex by Bus No.s.222, 211. Alternatively large number of autos will ply at frequent intervals from RTC complex to ANITS.

About ANITS:

Anil Neerukonda Institute of Technology & Sciences (ANITS) was established by the Anil Neerukonda Educational Society (ANES), which was founded by Dr. N.B.R. Prasad, an NRI philanthropist from USA. This institute was started in the year 2001 and is affiliated to Andhra University. The institution offers seven undergraduate programs and five Masters programs. It is just 30 minute drive from Visakhapatnam to reach the campus, which spreads over 14 acres of land.

About the Department:

The department of Mechanical Engineering is established in the year 2005 with the state of art laboratories and research facilities which are being upgraded continuously every year. The department was accredited by NBA in the year 2012 and reaccredited in the year 2016. Presently it has an intake of 240 at UG level and 18 at PG level. The department has faculty strength of 44 with ten Doctorates. The department promotes research activity vigorously which has fructified in the publication of more than 240 papers since inception in National/International Journals/Conferences. The department received grants from Centrally sponsored organizations like AICTE, UGC, DST, ISTE totaling to an amount of Rs. 37,00,000/- for MODROBS and organizing induction programme, seminars.



A Two Day National Seminar on “Advanced Joining Techniques of Dissimilar Materials for Engineering Applications” 3rd & 4th January, 2020



Sponsored by
Science and Engineering Research Board



Co-ordinator
Dr.B.Naga Raju, Professor & HOD
Department of Mechanical Engineering

Organized by
Department of Mechanical Engineering
Anil Neerukonda Institute of Technology & Sciences
UGC Autonomous, Accredited by NBA & NAAC with 'A' Grade
Sangivalasa - 531 162, Bheemunipatnam
Visakhapatnam Dist. AP, India.
website.: mechanical.anits.edu.in

Objective of Seminar

Techniques for joining dissimilar materials, particularly metals and polymers, are becoming increasingly important in the manufacturing of hybrid structures and components for various engineering applications.

The recent drive towards lightweight construction in the aerospace and automotive industries has led to increased exploitation of lightweight metallic and non-metallic materials. Hence, suitable joining methods are being identified in order to join these dissimilar materials and to integrate them in engineering structures.

Understanding of the various joining technologies that exist for multi-material, metal-to-metal, polymer to polymer, and metal-to-polymer hybrid structures is consequently important. Hence this programme intends to invoke the latest innovations and developments in joining techniques.

It is also intended to understand the intricacies of joining methods, testing of joints and specific problems involved.

The thrust areas of research in the field of joining dissimilar materials will also be exemplified for the benefit of researchers.

Resource Persons

- Dr. D.Ravikumar , Professor, IIT-Delhi
- Dr. N. Ramanaiah , Professor, AUCE(A),Vizag.
- Dr. Ch. Ramadas, Scientist 'F' , Composites Research Center, DRDO, Pune.
- Dr. K. S. N. Suman, Assoc. Professor, AUCE(A), Vizag.
- Dr. P. Pavan Kumar , Prof., BITS-Pilani, Hyd campus.
- Dr. S. Madhusudan, Professor, URCE,Vijayawada.
- Dr. B. NagaRaju, Professor, ANITS, Vizag

Contents

- ✧Advanced joining technologies with specific thrust on dissimilar materials.
- ✧Mechanical and structural characterization of joints.
- ✧Design rules & joining procedures.
- ✧Specific problems in advanced materials joining.
- ✧Latest techniques for Quality testing of joints.
- ✧Environmental effects on joints
- ✧Thrust areas of research.

Instructions to the participants:

- Faculty members from AICTE recognized institutions, research scholars and personnel from Industry & Research organization.

- Selection criteria for the participants are first-come-first-serve-basis.

- Participants should follow the formal dress code and adhere to the session timings.

Important Dates:

Last date of registration: 20-12-2019

Intimation of Selection : 30-12-2019

Programme dates: 3rd & 4th January, 2020

REGISTRATION FORM

A Two Day National Seminar on “Advanced Joining Techniques of Dissimilar Materials for Engineering Applications”

3rd & 4th January, 2020

Full Name:

Qualification:

Designation:

Experience (No. of Years):

Teaching:

Research/Industry:.....

Address:

.....

Tel(O): (R)

Fax: Cell.....

E-mail:

PLACE:

DATE:

Participant's
Signature

Signature and Seal of
Head of the Institution