

SCIENCE AND ENGINEERING RESEARCH BOARD(SERB), NEW DELHI



Sponsored

National Seminar on “Engineering
Applications and Developments in Thermal
Spray Coatings- EADTSC 2024”



Department of Mechanical Engineering
Government College of Engineering, Bargur
An Autonomous Institution Affiliated to Anna
University, Chennai
(NBA & NACC accredited)
Krishnagiri -635 104, Tamil Nadu, India
Date: 29th & 30th January 2024

Venue: Seminar Hall, Department of Mechanical
Engineering

Resource Persons:

Eminent Professors/Scientists from IITs, NITs,
Central Universities and Research Laboratories.

Organizing Committee

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Chairman: **Dr. P. Thirumal**, Professor and
Head., Dept. of Mechanical Engineering

Convener:

Dr. D. Thirumalaikumarasamy,
Assistant Professor (Selection Grade)/
Mechanical Engineering

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Professor/Mechanical Engineering
Dr. I. Ashokkumar
Assistant Professor/Mechanical Engineering

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Mr. M.Ashokkumar/ Adhoc Faculty/Mech

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Dindugal

About the Institution

Government College of Engineering, Bargur (GCEB) is one of the educational institutions developed by Govt. of Tamil Nadu, which was started in the year 1994 to cater to the needs of the nation in the development of technocrats and to provide facilities for educating and training men and women to meet the entrepreneurial and management needs. The Tamil Nadu Government has created adequate infrastructural facilities and sufficient funds and is keen on developing the institute for higher education. GCEB is permanently affiliated to Anna University, Chennai, received accreditation from National Board of Accreditation (NBA), and (NACC) New Delhi for all of its eligible UG programmes and also declared fit by University Grant Commission (UGC), New Delhi to receive central assistance (UGC grant), by awarding 2(f) and 12 (b) status.

GCEB is spread over a sprawling campus with calm surroundings, creating a fitting atmosphere for study. The institute has all required facilities like Modern/smart class rooms, students' hostels, faculty quarters, guest house, library, computer centre, medical centre, sports facilities. Bargur is well connected to all major cities like Chennai, Salem, Bangalore and other metro cities through air, road, and rail.

About the Department

The Mechanical Engineering department was started in the year 2007. Though this department is youngest departments in this college, it is continuously striving to achieve excellence in education, academic and industry-oriented research as well as consultancy work aiming service to the society. This department has excellent experimental and computational facilities. The department has 08 Faculty Members with Ph.D qualification having

expertise on IC Engine, Materials Joining, Materials Processing, Surface Engineering and Composite Materials. The department has received research grants worth of more than one crore from various funding agencies like AICTE, DST, DRDO and SERB, New Delhi. The major research areas include IC Engine Testing and Design, Surface Engineering, Alternative Fuels, Processing and Characterization of Materials, Thermal Spray Coatings.

Conference Topics

We invite high quality submissions describing **original and unpublished** results of theoretical, empirical, conceptual, and experimental work in the areas of coating technology, surface engineering and mechanical engineering. The conference keywords include **but not limited to**:

- Thermal spray coatings (including all branches Arc Spray, Flame spray, High-Velocity Oxy Fuel (HVOF), High-Velocity Air Fuel (HVOF), High-Velocity Oxy Liquid-Fuel (HVOLF), Plasma Spray, Cold Spray, Detonation Spray (D-gun), Suspension Plasma Spray (SPS), Warm spray etc)
- Fundamentals/Research & Development-NEW coating developments
- Feedstock & coating Characterization and New Evaluation Techniques
- Thermal Spray modelling and simulation
- Equipment, Consumables and Economics
- Surface Engineering, Materials Processing and Characterization Thin film and Nano Materials
- Optimization Methods, Materials for Surface Protection, Surface Coatings, Composite Materials, and Computational Fluid Dynamics
- Advanced Thermal Spray Applications

Publications: All the accepted papers will be published in the proceedings of the conference (with ISSN No) and Scopus indexed journal.

Who Should Attend?

Faculty members, Scientists, Engineers in public and private sector, Research Scholars, Post graduate and Under Graduate students engaged in teaching and research.

Registration and Accommodation

U.G Students: **Rs. 500/-**

P.G /Ph. D Scholars: **Rs. 1000/-**

Faculty members from Institutions: **Rs. 1500/-**

Delegates from Industry and R & D centre: **Rs.2000/-**

At least one author of the accepted paper has to register for presentation. Request for accommodation has to be made well in advance.

Participants are requested to pay the registration fee by using NEFT/RTGS

Account details:

Name: MECHANICAL ENGG ASSOCIATION

Account No: 906632523

IFSC CODE: IDIB000B010

Bank: Indian bank, Bargur

Registration link:

<https://forms.gle/nNfcVd9eEgv7BYbv9>

Important Dates

Last date for submission of Abstract: 31.12.2023

Author and Delegate Registration: 10.01.2024

Submission of camera-ready paper: 20.01.2024

Address for Correspondence

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Convener/EADTSC-2024

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