

## ONE DAY NATIONAL LEVEL WORKSHOP

On

**“ADVANCES IN COMPOSITE MATERIALS”**

02<sup>ND</sup> SEPTEMBER 2016

GIORGIO  
PIOLA



ORGANIZED BY

Department of

**AERONAUTICAL &  
MECHANICAL ENGINEERING**

# **MAHENDRA**

**Institute of Engineering and Technology**

Mahendrapuri, Mallasamudram (W),  
Tiruchengode (Tk), Namakkal (Dt) - 637 503  
Phone : 04288 288507, Fax : 04288 288506.

## ORGANIZING COMMITTEE

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Dean - Academics,  
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**Prof. R. Sugavanam,**  
Academic Co-ordinator  
Mahendra Institute of Engineering and Technology.

### Convenor

**Dr.L.Selvarajan,** Associate professor  
HOD / Mechanical Engineering,  
Mahendra Institute of Engineering and Technology.

### Organizing Secretaries

**Prof.B.Srivijai,**  
Assistant Professor / Mech

**Prof.V.Arulmuragan,**  
Assistant Professor /Mech

**Prof.R.Padmanaban**  
Assistant Professor / Aeronautical

**Prof.R.Sunil**  
Assistant Professor / Aeronautical

## ABOUT THE INSTITUTION

With the Noble aspiration of educating the under privileged in the Salem and Namakkal district, Mahendra Educational Trust was started in the year 1978 by the distinguished educationalist and philanthropist Shri.M.G.BharathKumar. The trust sponsors Eighteen Educational Institutions, right from school, Arts and Science college and then to higher learning technical Institutions aimed with a vision of imparting high standard of education, achieving academic and proficient excellence. The trust is propped up by the Governing council and advisory committee associated with the policy affairs, planning and development actions of the educational Institutions.

Mahendra Institute of Engineering and Technology was instigated in the year 2009 by the Mahendra Educational Trust. It is approved by All India Council for Technical Education (AICTE), New Delhi and affiliated to the Anna University, Chennai. Currently we have seven Under Graduate degree programmes and five Post Graduate degree programs in engineering and technology. With a commitment of dynamic management, and the dedicated service of faculty, the Institution will bloom as nodal Institutions of excellence in near future. With modern class rooms and laboratories, computing facilities, library, play facilities and multipurpose gymnasium, the students are provided with all round knowledge, hands on training with good potential employability skills to become a readily employable engineering graduate in the ever growing changing scenario.

**ABOUT THE WORKSHOP:**

Advanced composite materials are generally characterized or determined by unusually high strength fibres with unusually high stiffness, or modulus of elasticity characteristics, compared to other materials, while bound together by weaker matrices. These are termed advanced composite materials (ACM) in comparison to the composite materials commonly in use such as reinforced concrete, or even concrete itself. The high strength fibers are also low density while occupying a large fraction of the volume. Advanced composites exhibit desirable physical and chemical properties that include light weight coupled with high stiffness (elasticity), and strength along the direction of the reinforcing fiber, dimensional stability, temperature and chemical resistance, flex performance, and relatively easy processing. Advanced composites are replacing metal components in many uses, particularly in the aerospace industry.

**WORKSHOP CONTENTS:**

- Composite Materials Types & its Industrial Applications.
- Align the fibers with the load's direction.
- Combine several components into an integral structure.
- Use light core material covered with strong composite layer.
- Involve manufacturing considerations early in the design.

**TARGET AUDIENCE:**

The workshop is mainly focused to the students of Under Graduates, Post-Graduates, Researchers and faculty members of Aeronautical & Mechanical Engineering background and the peoples connected to the industry with manufacturing.

**RESOURCE PERSON****Dr.Ganapathi Manickam****“Scientist-F”**(Formerly- **DRDO** Laboratory-Hyderabad)**IMPORTANT DATES:**

Last date for receipt of registration form with fee : **31/08/2016**

Intimation of acceptance : **01/09/2016**

Spot registration also accepted on prior intimation

**REGISTRATION FEE:**

Students / Faculty / Research scholars : **Rs.200/-**

The Demand Draft should be drawn to the favor of **“The Principal, Mahendra Institute of Engineering and Technology, Namakkal-637503”** payable at **SBI, Mallasamudram).**

Correspondence and completed registration forms with

D.D sent to

**The Organizing Secretary****“Advances in Composite Materials”**

Department of

Aeronautical & Mechanical Engineering.

Mahendra Institute of Engineering and Technology,

Mallasamudram, Namakkal (Dt.) - 637 503,

Tamilnadu.

**For Spot registration feel free to contact**

**Email id:** [workshopmietmech@gmail.com](mailto:workshopmietmech@gmail.com)

**Phone:** 9500040295,9994631669,

9443051624,9486472860.

**ONE DAY NATIONAL LEVEL WORKSHOP****on****““ADVANCES IN COMPOSITE MATERIALS”****02<sup>ND</sup> SEPTEMBER 2016****REGISTRATION FORM**

(Fill in Capitals)

Name :

Designation :

Department :

Organization :

Mailing Address :

E mail :

Mobile Number :

Category of the Participant :  
(Student / Researcher / Faculty)

Registration Fee Details:

D.D No :

Date :

Bank Name & Branch :

Signature of the Participant

Place :

Date :

Signature of the  
Head of the Institution with office seal



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