



**2012 NATIONAL CONFERENCE ON
RECENT ADVANCES IN COMPOSITES
(NCRAC 2012)**

Date: 15th and 16th of June, 2012

**FORUM ON
COMPOSITES FOR
ENDUSER REQUIREMENTS**

Jointly organised by:

**FIBREGLASS INDUSTRIES
ASSOCIATION OF
ANDHRA PRADESH
and
FRP INSTITUTE, CHENNAI**

Co-organised by:

ASL (DRDO), HYDERABAD

MSME-DI, HYDERABAD

TIFAC, NEW DELHI

ISAMPE, BENGALURU & HYDERABAD

KAFI, BENGALURU

Venue: HOTEL TAJ DECCAN, Hyderabad, Andhra Pradesh



NCRAC 2012

Composite materials have emerged as an important alternate materials for many demanding applications in various sectors viz. Wind energy, Infrastructure, Automotive, Electrical, Defence, Aerospace, etc. The current volume of Composites production in India is 3,00,000 tons per annum. The per capita usage of Composites is about 0.25 kg which is one of the lowest in the world and this shows that there are tremendous growth opportunities for these materials in India. To sustain the growth rate and meet enduser expectations, it is important to know the emerging opportunities in various sectors and understand the enduser requirements and specifications on Composites. The Composites product fabricators are in the middle of Composites supply chain and on one side they drive the raw materials suppliers and the other side they meet the demands of endusers. The Composites fabricators largely determine the growth rate of the Composites industry. Tough Indian composites fabricators have over the years acquired skills in making world class products. However, many of them still do not have information on where is new market opportunities, what are the new products required by endusers and which are products that enduser would like to switch over to Composites from traditional materials like wood, steel, aluminium. This two days conference programme is aimed at addressing these issues and to highlight the various opportunities that are available in the Indian composites market from the enduser point of view and presentations will be made by leading experts. The NCRAC 2012 is the third conference being organized at Hyderabad, jointly by the Fibreglass Industries Association of Andhra Pradesh (FIAAP), Hyderabad, FRP Institute, Chennai, Advance Systems Laboratory - DRDO, Hyderabad with the support from Indian Composites Industry and other leading associations and organizations.

HYDERABAD

Hyderabad, the capital of Andhra Pradesh, is one of the fastest growing cities of India and has emerged as a strong industrial, commercial, technology center. From Nawabs and pearls to the world's hi-tech happening point, the city's journey is fascinating. Hyderabad is known for its Biryani, Bangles, friendly people and of course pleasant climate especially during June.

**FOLLOWING ARE THE TOPICS
THAT WILL BE COVERED
DURING THE TWO-DAY
CONFERENCE PROGRAMME**



- 1 Architects' view on Composites : opportunities and challenges.
- 2 Opportunities for indigenous development of Composites for automotive applications.
- 3 Composites products in solar energy: emerging trends.
- 4 New applications of Composites in civil engineering and growing usage of Composites in construction.
- 5 Joint product development opportunities for the Industry with Indian defence and aerospace organizations.
- 6 Public private partnership in Indian defence sector.
- 7 Composites in electrical industry : End user requirements.
- 8 Chemical industry: Growing penetration of Composites.
- 9 Importance of quality and its impact on market growth and development.
- 10 Effective design and materials selection for Composites product development.
- 11 Opportunities in carbon fibre Composites for non military applications.
- 12 Carbon nanotubes based thermoset Composites: Applications and business opportunities.
- 13 Natural fibre Composites: current trends.
- 14 Trends in automation and mechanization for Increasing productivity.
- 15 Long Fibre Thermoplastics Composites (LFTC): current trends and potential applications.
- 16 Wind energy: Advancements in design and fabrication of longer blades and smaller windmill blades and Vertical axis blades.
- 17 FRP Pipe: Opportunities and challenges in gas and oils sectors.
- 18 Composites in mass transportation: Metro, Monorail and Railways.
- 19 Composites in marine: Design criteria for small and medium sized boats.
- 20 Composites in agricultural sectors.
- 21 Safety and recycling of composites.
- 22 Composites in Sports and Leisure
- 23 Textile Composites





**NATIONAL CONFERENCE
ON RECENT ADVANCES
IN COMPOSITES (NCRAC 2012)**

ORGANISING COMMITTEE

Mr. B. Siva Sambhi Reddy	Chairman
Mr. O. Vasudeva Reddy	Secretary
Dr. K. Narayana Reddy	President FIAAP
Dr. A. Selvam	Exec. Secretary, FRP Institute
Mr. V. Chakravarthy	Vice President, FIAAP
Mr. Rajesh Verma	Secretary, FIAAP
Mr. Henry Moses	Treasurer, FIAAP
Mr. B. Vijay Krishna	CNC Technics
Mr. K. C. Chouduri	MSMEDI
Mr. R. Raman	Modern Engg & Plastics
Mr. N. Srinivas	Ecma Resins
Mr. Ankush Ved	Allied Agencies
Mr. Ch. Jalander Reddy	EC Member, FIAAP
Mr. K. Chalapati Raju	EC Member, FIAAP
Mr. Sheik Saleem	EC Member, FIAAP
Mr. Vikas Badoria	OCV Reinforcements
Mr. P. V. Jaikishore	Member, FIAAP
Mr. T. Balachandra	Emak Glassfibre
Mr. S. R. G. Nathan	Fibro Reinf. Plastic
Mr. M. Vishwanath	Vishwas Industries
Mr. G. Anand	EC Member, FIAAP
Mr. G. Hanmantaiah	FIAAP
Mr. K. Narasimha Raju	FIAAP
Mr. Md. Arif	FIAAP
Mr. N. Satyanarayana	FIAAP
Mr. J. Madhavan	FIAAP

NATIONAL ADVISORY COMMITTEE

Dr. N. G. Nair	NGN Composites
Dr. V. G. Sekharan	Director ASL, DRDO
Mr. Pradip Thakkar	Chairman, FRP Institute
Shri K. Rama Rao	Director DRDO (Rtd.)
Mr. K. Jayaraman	Director CPDC
Prof. G. V. Rao	Vignan University
Dr. Rohini Devi	Associate Director ASL (Rtd.)
Mr. D. Chandrasekhar	Director, MSMEDI
Dr. R. Gopalan	Executive Director, CTP
Prof. S. C. Lakkad	IIT, Mumbai
Mr. Subhash Vithaldas	Vice Chairman, FRP Institute
Mr. Kalpesh Patel	KEMROCK
Mr. P. V. V. S. Rao	Goa Glass Fibres
Mr. Anindya Ghosh	OCV Reinforcements
Mr. Vivek Singh	Ashland
Mr. Soumitra Biswas	TIFAC
Mr. S. Ramachandran	Consultant
Mr. Shekhar Sardessai	KINECO
Mr. Rajan Baveja	Tech Force
Mr. Sushil Shah	FRP Accessories
Mr. Jitendra Vora	Satyen Polymers
Mr. J. K. Trivedi	A Z Tech
Mr. P. K. C. Bose	Saertex
Mr. Narendra Malik	Naphta Resins
Mr. Ranajit Sen	Crest Polymers
Mr. Alok Gupta	Reichhold
Mr. Biswajit Sarma	P P G
Mr. P. M. Naidu	ISAMPE
Mr. K. Vijay Raju	President, ISAMPE
Mr. Chandra Sekharaiah	KAFI

FIAAP, HYDERABAD

Fibreglass Industries Association of Andhra Pradesh (FIAAP) is a registered society constituted in 2004 with a membership of over 300 Composites professionals and industries. FIAAP aims at working for the development of Composites Industry in India in general and in Andhra Pradesh in particular. FIAAP organises various technical programmes, seminars, industrial visits, Expos & Exhibitions and leads delegations to International Expos and events in the interest of upgrading the Composites Technology and enhancing the growth of Composites Industry. Under Government of India's sanctioned FRP Cluster, FIAAP has successfully completed the targetted soft interventions, events and moving further to establish a world class Common Facility Centre for Composites in Hyderabad.

FRP INSTITUTE, CHENNAI

FRP Institute is a non profit professional society of the Indian Composites community founded in the year 1999. It has members from all over India and it works in close collaboration with the industries and institutions for upgrading the Composites Technology and to promote the growth of the Indian Composites Industry. FRP Institute organises training programmes, workshops on Composites. FRP Institute has successfully organised five International events - International Conference and Exhibition on Reinforced Plastics (ICERP) and has got the recognition of international Composites fraternity and the latest in this series being the ICERP 2011, (the second biggest event on Composites in Asia) held in March 2011 at Mumbai which was inaugurated by Hon. Dr. A. P. J. Abdul Kalam, Former President of India. FRP Institute organises "India Pavilion" in leading Composites show like JEC Paris Show, China Composites Expo, Composites Europe, JEC Asia to explore export opportunities for Indian Composite Companies.

MSME - DI, HYDERABAD

The Micro, Small & Medium Enterprises - Development Institute (MSME-DI), Hyderabad is a field level institute under the office of DC (MSMR-DI), New Delhi, Ministry of MSME, Government of India. MSME-DI, Hyderabad assists existing and prospective entrepreneurs by providing techno-managerial consultancy services and training in various areas. MSME-DI, Hyderabad has taken up FRP Cluster, Hyderabad as a potential cluster for intensive development initiatives under MSE-CDP. Implementation of Soft Interventions commenced during the year 2008-09 and continued during 2009-10. Seminars, workshops and study visits were undertaken under the soft interventions. Cluster Actors and CDE visited SAMPE ASIA-2010, Kuala Lumpur, Malaysia during January, 2010.

ADVANCED SYSTEMS LABORATORY (DRDO), HYDERABAD

ASL is the premier research Laboratory of DRDO, Government of India at Hyderabad primarily involved in the design, development and testing of large sized solid propulsion systems, advanced Composites products like rocket motor casings, flux nozzle systems, re-entry vehicles, missile canisters and carbon carbon products mainly for all AGNI Variants and other missile programmes.



NATIONAL CONFERENCE ON RECENT ADVANCES IN COMPOSITES (NCRAC 2012)

Organisers



Co-organisers



REGISTRATION

The delegate fee for the two day conference program is Rs. 3500/-. Kindly send the delegate fee either as demand draft or as an at par cheque drawn in favour of NCRAC - 2012 payable at Hyderabad and send it to the address shown below:

for registration and further details please contact:

B. S. Sambireddy, Mobile: 09440067270

Chairman, conference programme, NCRAC - 2012

Dr. K. Narayana Reddy, Mobile: 09848033618

President

FIBREGLASS INDUSTRIES ASSOCIATION OF A. P.

304, Veena Apartments,

7-1- 60, Dharam Karam Road, Ameerpet,

Hyderabad - 500 016, India

Phone : +91 40-23732930/31, 27263119, 27260154

Email : info@fibreglass-ap.com

info@fibreglassindustriesap.org

sambireddy.bs@gmail.com

Dr. A. Selvam,

Mobile: 09841426644

Executive Secretary,

FRP Institute,

NP 23/24,

Developed Plot,

Ekkattuthangal,

Chennai - 600 097.

Email :

info@frpinstitute.org,

selvamfrp@gmail.com

www.frpinstitute.org

Telephone : + 91 44 22250359, 22251502

FAX : +91 44 22250349

or

Media partner: FRP Today