

**International Conference
On
ADVANCES IN FIBROUS MATERIALS, TECHNICAL AND
NONWOVEN TEXTILES**

August 7-9, 2006

Hotel Jennys Club, Coimbatore, India

CALL FOR PAPERS

Organized by



S.S.M.College of Engineering

In collaboration with



TEXAS TECH UNIVERSITY
TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER
**The Institute of Environmental
& Human Health**



Conference Website: www.afint2006.com



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International Conference

On

ADVANCES IN FIBROUS MATERIALS, NONWOVEN AND TECHNICAL TEXTILES (AFINT 2006)

August 7-9, 2006

An International Conference on **Advances in Fibrous Materials, Nonwoven and Technical Textiles (AFINT 2006)** will be held in **Coimbatore** city, popularly known as '**Manchester of South India**' from August 7 to 9, 2006. It is jointly organised by **SSM College of Engineering, India** and **The Institute of Environmental and Human Health, Texas Tech University, USA**. The focus of the conference is on the emerging technological advancements in the frontier areas of Textiles, Polymer and Fibre Production, Coloration and Finishing, Textile Testing, Nanotechnology, Nonwoven and Technical Textiles.

India is emerging as a textile powerhouse with enormous growth opportunities. With the burgeoning middle class over 300 million; there will be an explosion of textile material usage in all sorts of applications, providing a huge market for global textile players. India is a preferred place for multinationals to venture into a myriad of business opportunities including nonwoven, medical, technical textiles and apparel sectors.

This conference will provide a common platform for the international community to exchange knowledge on the latest technological developments taking place in the global arena of textiles. Given the importance of India in the global trade, this conference is timely and would open up a number of opportunities for global players.

PREAMBLE

A lot of innovations have been taking place both in natural and man-made fibre technologies. From genetically modified Bt cotton to graft or copolymerized fibres, phase changing polymers, surface modification of textile structures, textile composites, application of plasma and nano technology and new production technologies have paved the way for more sophisticated applications of textiles. Encouraged by unlimited opportunities in smart textiles, nonwovens and technical textiles, institutes and industries are engaged in rigorous research and intellectual property activities. The scope and application of textiles in the fields of automobile, space, aeronautical, geological, agriculture and medical are manifold and warrant fundamental and applied research. Textile composites nowadays replace many metallurgical components. High performance and modified fibres are employed in textile composites with suitable matrix medium. Advances in medical textiles such as wound dressings, compression bandages, extra corporal devices and scaffolds for tissue engineering serve for the well being of human kind. This conference will feature topical papers in all these burgeoning areas and eminent personalities in the textile field from many countries will participate in the conference.

ORGANISERS

This international conference is organized by SSM College of Engineering, India in association with The Institute of Environmental and Human Health (TIEHH) Texas Tech University, USA. SSM College of Engineering (SSMCE) is a modern educational institution committed to deliver high quality technical education in textiles and student support services in engineering and management disciplines approved by the All India Council for Technical Education (AICTE) and affiliated to Anna University in Chennai, India. In the international scenario, it is a contributing member of UNESCO, International Centre for Engineering Education (UICEE), technical collaborator of Carrera group Italy, Nodal Agency of International Computer Driving License (ICDL), and Secretariat of the International Textile Education Consortium to promote global networks in textile education. The first and unique International Conference on Textile Education (ITEC) was conducted recently by SSM College of Engineering in Chennai. The college is also the technical supporter along with Carrera group, Italy, for the Cauvery hitech weaving park at Komarapalayam, a joint promoter of the consortium of hitech weaving parks and hybrid knitting operations in Tirupur. For promoting entrepreneurship, Entrepreneur Development Cell sponsored by the Department of Science and Technology, Government of India has been set up in the college in the School of Management Studies. The college is one among the seven centers in India selected by the Ministry of Textiles, Government of India to set up an information technology laboratory and impart IT application and training in textiles.

This year's conference will be the third consecutive international conference co-hosted in India by The Institute of Environmental and Human Health (TIEHH), Texas Tech University, USA. The Institute of Environmental and Human Health began in 1997 as a joint venture of Texas Tech University (TTU) and Texas Tech University Health Sciences Center (TTUHSC). Almost 10 years later, the program has developed into a world-class academic program with state-of-the-art laboratories where research conducted has tremendous impact on industry, education, governments and individuals around the globe. In this short time, scientists at TIEHH, in collaboration with faculty at TTU and TTUHSC have created a unique multidisciplinary research and academic program working to find answers to real-world issues related to the effects of toxics on the environment and human health. Located at Reese Technology Center, TIEHH is also committed to stimulating the area's economic development through it's almost \$50 million in research grants and contracts facilitated through TIEHH since its establishment.

Within TIEHH, the Division of Advanced Materials at TIEHH was established to focus on and facilitate the development of value-added and novel materials to enhance human life such as defense textiles and bio-based automotive textiles. Nanotechnology-based research activities focus on nanoparticles for environmental contamination remediation, nanofiber filters, bioengineered nanomaterials for human health improvements. TIEHH is the first academic facility in the United States to house the most modern H1 technology needlepunching machine. Students involved in advanced materials research also graduate with MS and PhD degrees in Environmental Toxicology, which is also housed through TIEHH.

INVITATION

SSM College of engineering, India and TIEHH, Texas Tech University, USA cordially invites you to participate as a delegate or a paper presenter in the International Conference on

‘Advances in Fibrous Materials, Nonwoven and Technical Textiles’ (AFINT 2006), which will be held at Hotel Jennys Club, Coimbatore, India from 7th to 9th August 2006.

CALL FOR PAPERS

Papers are invited from prospective speakers on the following themes:

1. Nonwoven Processes and Applications
2. Defence, Medical and Technical Textiles
3. Advances in Natural Fibers and Synthetic Polymers
4. Composites Processing and Applications
5. Nanotechnology and Nanomaterials
6. Advances in Spinning, Weaving and Knitting
7. Developments in Textile Testing and Instrumentation
8. Current Development and Research in Coloration and Finishing
9. Garment Processing and Apparel Fashion Trends
10. Fiber and Textile Economics and Marketing
11. Globalization in Textile and Fiber Industry

The abstract of papers not exceeding 300 words preferably in MS Word format should be sent by Email to: **afint2006@gmail.com** and **s.ramkumar@ttu.edu** on or before **20th May 2006**. Papers must be presented by the authors or coauthors personally and will not be published in the proceedings unless presented.

Dates to Remember

Last date to submit abstract : **20th May 2006**

Notification of paper acceptance : **05, June 2006**

Last date to submit full text : **10, July 2006**

Full text of the accepted papers not exceeding ten pages in MS Word format should be sent by Email to: **afint2006@gmail.com** and **s.ramkumar@ttu.edu**

Papers submitted after July 10th will not be included in the conference proceedings.

CALL FOR DELEGATES

It is anticipated that the papers presented in the conference would enrich the knowledge of the delegates in the frontier areas of fibrous structures, fabric finishes, nanotechnology, nonwoven and technical textiles. The deliberations and the proceedings will be very valuable for the global textile audience and multinational companies. The conference will provide enormous opportunities for interactions which can spearhead new opportunities for international companies.

REGISTRATION FEE

Registration form can be downloaded from conference website [www. afint2006.com](http://www.afint2006.com)

Category	Paid before 30 th June 2006.	Paid after 30 th June 2006.
Foreign Delegates	US\$ 300	US\$ 350
Foreign delegates (Students)	US\$ 125	US\$ 150
Indian Delegates	Rs.1500	Rs. 2000
Indian Delegates (Students)	Rs.1000	Rs.1500

Registration fee covers admission to all presentations, conference lunches, refreshments, social programmes, Inaugural & Valedictory functions. In addition, each participant will receive the conference docket with the book of papers (CD-ROM) and conference souvenir.

All the delegates attending the conference will receive participation certificates

Completed registration form from Indian delegates along with registration fee should be sent to Professor Mallyah at _____ and international participants should contact Dr. Seshadri Ramkumar at s.ramkumar@ttu.edu.

MODE OF PAYMENT FOR INDIAN DELEGATES

Registration fee can be remitted by way of Cheque / Demand Draft/Credit Card*

1. Cheque/Demand Draft should be made in the name of “AFINT ” Payable at Erode and marked “Account Payee Only”
2. If the payment is made by credit card (VISA, American Express, Master Card) Please send us the following:
 - a. Photocopy of the credit card (front and back)
 - b. Letter authorizing “AFINT” to debit your card for the equivalent amount.
 - c. Credit Card number and validity printed separately. (In case of Masters / VISA Card please mention three digit CVV code and for AMEX card, the four digit batch Code)

BANK ACCOUNT DETAILS for INDIAN DELEGATES

Bank name : Corporation Bank
Branch : Erode
Address : 278/279, Gandhiji Road
Erode - 638001 TN
India
Account no : 000163121
Swift code : AELBUS 33
Name of the payee : Coordinator, AFINT
Payee's account no :

MODE OF PAYMENT for INTERNATIONAL DELEGATES

International delegates should pay registration fees by credit card/cashier's check to Texas Tech University. Please contact Dr. Ramkumar, Texas Tech University at s.ramkumar@ttu.edu.

SPONSORSHIPS

This international conference provides an excellent opportunity for companies to gain global visibility and publicity by promoting their products and services to a highly focused audience besides networking with the participants from various parts of the world.

Sponsors are assured of full visibility through the conference souvenir, conference backdrops, conference documentations, conference CDs, inserts, advertisement materials like CDs, brochures about the products in the conference dockets and conference website **www.afint2006.com**. Sponsors will also have the privilege of presentation/display of their products during the conference.

Sponsorship enquiries are highly appreciated towards this international conference.

SPONSORSHIP OPTIONS

Sponsorship options include:

- Conference book of papers (print version) – Rs 75000
- Delegate Bags – Rs100000
- Delegate Lunches – Rs60000 per day
- Delegate Badges – Rs 10000
- Delegate Refreshments with high tea – Rs 45000 per day
- Delegate Dinners – Rs 50000 per day
- Delegate Gifts – Rs 25000
- Cultural Programme – Rs25000
- Advertisements in Souvenir as per rates given below
- Advertisement materials like CDs, brochures products in conference dockets – Rs 15000

SOUVENIR ADVERTISEMENT RATES

The conference will release a souvenir, wherein companies can advertise about their products.

Category	Foreign companies	Indian companies
Full page color backside cover outside	US\$ 750	US\$ 500
Full page color backside cover inner	US\$ 500	US\$ 300
Full page color frontside cover inner	US\$ 500	US\$ 300
Full page color inside	US\$ 500	Rs.5000
Full page B & W inside	US\$ 200	Rs.3000

Sponsoring companies or individuals willing to sponsor an event or advertise their products can contact the organizing secretaries via email or phone

Email: afint2006@gmail.com; s.ramkumar@ttu.edu; Phone (India): 91-4288-267703, 91-9894711472, Fax: 265705, Phone (USA): 1-806-8850228, Fax: 1-806-8852132

CONFERENCE VENUE – THE COIMBATORE CITY

Coimbatore city, popularly known as ‘**Manchester of South India**’, is situated in the western part of Tamilnadu and is also the district head quarter. Coimbatore is well known for its textile industries and considered to be an industrial city with many foundries and machinery and accessories manufacturers. A number of textile spinning, weaving, garment and textile machinery manufacturing industries are located in and around the city. The city is the engineering hub of India with many engineering industries producing motors, pumps, machinery and spare parts. Coimbatore is also famous for its good academic infrastructure with a number of textile and engineering schools. The city is located at 432 meters above the Mean Sea Level (M.S.L). It enjoys a salubrious climate because of its proximity to the hills of the Western Ghats. Coimbatore enjoys an excellent climate throughout the year. It is well connected by air and surface transport. This city is surrounded by major tourist spots and has always been a natural favorite with international tourists. The scenic hill stations of Ooty, Munnar and Kodaikannal, the historic temples of Perur, Palani, the historic cities of Madurai and Thanjavur, the nearby exciting Kerala with its enchanting back-waters and ayurvedic health resorts to name a few, are all a couple of hours drive from Coimbatore.

ACCOMODATION

There are many hotels in star and middle level categories in Coimbatore offering affordable prices ranging from US\$25 to US\$100 per day. For delegates, hotel rooms will be reserved by the conference secretariat in hotels of their choice as per their request. Speakers and delegates can also stay in the conference hotel at reasonable room rent. Hotel tariff for some well known hotels in Coimbatore is given below for ready reference.

HOTEL TARIFF

NAME OF HOTEL	STANDARD		STUDIO		DELUXE		SUITE
	SO	DO	SO	DO	SO	DO	DO
Hotel Jennys Club	1520	1750	-	-	1860	2140	2700
Hotel Residency	3150	3500	-	-	3850	4200	-
Hotel Rathna Inn	1100	1300	-	-	1500	1700	-
Hotel CAG Pride	1350	1650	1750	1950	-	-	2550
Hotel Arvee	550	750	-	-	950	1050	-

(SO – Single occupancy, DO- Double occupancy, Current Exchange rate: 1 USD ≈ 44 INR, Room tariff indicated above are in INR and inclusive of service tax 12.5%)

Note: The organizers have already blocked all rooms and suites at Hotel Jennys club – the conference venue, during the conference period. Delegates who wish to stay at Hotel Jennys club can contact the organising secretaries via email or phone and send room tariff along with registration fee as per the above chart. Last date for reservation of room is **30th June 2006**.

Email: afint2006@gmail.com; s.ramkumar@ttu.edu; Phone (India): 91-4288-267703, 91-9894711472, Fax: 265705, Phone (USA): 1-806-8850228, Fax: 1-806-8852132

A LOOK AT LOCAL TEXTILE INDUSTRIES

Following are the reputed local textile industries situated in and around Coimbatore.

- Lakshmi Machine Works Ltd (LMW), Coimbatore
- South India Textile Research Association(SITRA), Coimbatore
- Rieter Machine Works, Coimbatore.
- KG Denim Ltd, Coimbatore
- Lakshmi Mills ltd., Coimbatore
- Tirupur Exporters Association, Tirupur

Visit to the above organisations will be arranged on request.

POST CONFERENCE TOUR

Post conference tours can be planned in and around Coimbatore known as ‘Textile City’ to provide an opportunity for the delegates to explore South India. Delegates are encouraged to apply early as participation will be limited for tours. The places of tourist interests such as Ooty, Kodaikannal, Madurai, Bangalore and Mysore are nearer to the city.

One day tour: Places to visit -Yercaud, SSMCE, Cauvery high tech weaving park. This tour is free for foreign delegates. Those who wish to stay at Yercaud overnight can do so and on request, hotel and transport will be arranged by the organizing secretaries.

Three days tour 1: Places to visit – Ooty, Mysore, Bangalore

Three days tour 2: Places to visit – Kodaikannal, Madurai

For further details on the conference, pl. contact

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Organizing Secretary – National

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(AFINT 2006)
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REGISTRATION FORM

First Name _____ **Last Name** _____

Designation _____

Organisation _____

Address _____

Country _____ **Zip / Pin** _____

Phone (Off) _____ **Phone (Res)** _____

Mobile _____ **E-mail** _____

I intend to participate as a delegate / Sponsor

I intend to participate as a speaker

Title of the paper in case of speaker _____

Mode of payment: Cashier's Check / Demand draft / Credit card

Registration Fee: Rs: _____ **US \$:** _____

Accommodation: Required **Not required**

Type of room: Std **Deluxe** **Suite**

Occupancy: Single **Double**

Date:

Signature

Registration form can also be downloaded at www.afint2006.com. Filled registration form should be sent on or before 30th June 2006