2nd International Conference on textile and clothing
May 7-8, 2009
Pearl Continental Hotel, Lahore

Organized by
The Textile Institute UK
and
University of Management and Technology
Lahore, Pakistan
www.umt.edu.pk/ictc2009
## ICTC-2009 Detailed Program

### Day One: Thursday May 7, 2009

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:30 a.m. – 10:00 a.m.</td>
<td>Arrival and Seating of Guests</td>
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<tr>
<td>10:00 a.m. – 10:03 a.m.</td>
<td>National Anthem</td>
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<tr>
<td>10:03 a.m. – 10:10 a.m.</td>
<td>Recitation from the Holy Quran</td>
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<tr>
<td>10:10 a.m. – 10:20 a.m.</td>
<td>Welcome Address</td>
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<tr>
<td>10:20 a.m. – 10:30 a.m.</td>
<td><strong>Contribution of The Textile Institute UK in Pakistan Textile Industry</strong> by Mr. M Nural Ali Chisthi, Honorable Secretary of The Textile Institute UK</td>
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<tr>
<td>10:30 a.m. – 10:45 a.m.</td>
<td><strong>Prospects of Technical Textile in Pakistan</strong> by Mian Tariq Mehmood, Chairman All Pakistan Textile Mills Association (APTMA)</td>
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<tr>
<td>10:45 a.m. – 11:00 a.m.</td>
<td><strong>Technical Textile: An Ignored Field in Pakistan</strong> by Dr Hasan Sohail Murad, Rector University of Management and Technology, Lahore</td>
</tr>
<tr>
<td>11:00 a.m. – 11:25 a.m.</td>
<td>Address of the Chief Guest Mian Muhammad Shahbaz Sharif, Chief Minister, Punjab</td>
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<tr>
<td>11:26 a.m. – 11:30 a.m.</td>
<td>Vote of Thanks by Dr A R Kausar, Pro-Rector University of Management and Technology, Lahore</td>
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<tr>
<td>11:30 am – 12:00 noon</td>
<td>Tea Break</td>
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**Session One:**

**Theme:** Technical Textile - Application and Uses  
**Session Chair:** Mr S.M. Qutub, The Textile Institute, Pakistan  
**Session Coordinator:** Mr Hammad Mohsin

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<th>Time</th>
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<tr>
<td>12:00 noon - 1:20 pm</td>
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**Speakers**

1. Dr. Lubos Hes (Czech Republic)  

2. A. Shams Nateri (Iran)  
   Making Polyester/Cotton Blend Fabrics Silk-Like through Alkaline Oxidation

3. Mushtaq Mangat (Pakistan)  
   Technical Textile: A promising Future

4. Dr. Faheem Udeen (Pakistan)  
   Textile in Aerospace Applications

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<th>Time</th>
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<td>1:00 - 2:00 pm</td>
<td>Lunch and Prayer Break</td>
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**Session Two:**

**Theme:** Technical Textile - Product Development and Modeling  
**Session Chair:** Dr Faheem Udeen, University of Mangement and Technology, Pakistan  
**Session Coordinator:** Dr Nabeel Amin

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<tr>
<td>2:00 pm – 4:00 pm</td>
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**Speakers**

1. B. Vondina (Slovenia, Europe)  
   Cosmetotoxics

2. A. Shams Nateri (Iran)  
   Prediction of Silver Nanoparticles Diameter Synthesized Through the Tollens Process by Using Artificial Neural Networks

3. M. Salehi (Iran)  
   The Effects of Shearing Time on Wool Characteristics in Baluchi Sheep

4. Dr. Umer Farooq (UK)  
   A Study of the Structural Porosity of Melt Blown Lyocel Fibres

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<td>4:00 pm – 6:00 pm</td>
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### Day Two: Friday May 8, 2009

**Session Three:**  
**Theme:** Technical Textile - Process Innovation  
**Session Chair:** Dr Tanveer Hussain, National Textile University Faisal Abad, Pakistan  
**Session Coordinator:** Dr M Sarwar Rana

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<td>10:00 am – 1:00 pm</td>
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**Speakers**

1. Jiri Militky (Czech Republic)  
   Characterization of Basalt Filaments in Longitudinal Compression

2. Noman Haleem (Pakistan)  
   Determination of Twist per Inch Value in Doubled Yarns Using Digital Image Processing Techniques

3. Saad Nauman (France)  
   Weaving of 3D Interlock Layer to Layer Carbon-Glass Reinforcement on a Conventional Loom

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<tr>
<td>11:15-11:40 am</td>
<td>Tea Break</td>
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4. D. Jausovec, B. Vondina (Slovenia, Europe)  
   The Antimicrobial Reagent Role on the Cellulose Degradation

5. Dr. Saver Rana (Pakistan)  
   The Rotor Spinning of Long Staple Fibers: Experimental Investigations into Spinning of Wool, Problems Encountered and Tentative Remedies

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<tr>
<td>12:45-2:00 pm</td>
<td>Lunch and Prayer Break</td>
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**Session Four:**  
**Theme:** Technical Textile - Process Innovation  
**Session Chair:** Dr Amjed Hussain Delawari, Comsat Institute, Pakistan  
**Session Coordinator:** Mr Akhtar Zia

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**Speakers**

1. Arshad Mehmood (UK)  
   An Investigation of The Addition of Nicotinic Acid, as a Catalyst, to the Pad Liquor of a One-Pass Process for The Continuous Dyeing of Polyester/Cotton Blends.

2. A.B. Nyoni and D. Brook (UK)  
   The Effect of Laundering on Fabric Capillarity

3. Ms Fariha Arooj (PU Pakistan) Irfan Ahmed Shaikh (Pakistan)  
   A Novel Approach for Bleaching Cotton Substrate Including Surgical Cotton

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<tr>
<td>1:00 pm – 3:00 pm</td>
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**Concluding Ceremony**  
Dr Farooq Aslam, Dean, School of Science and Technology (SST) UMT, Pakistan
ICTC-2009

**Background**
Conventional textile products are losing ground. The need to explore new areas of textile manufacturing can hardly be overemphasized. Technical Textiles is one of the most advanced and promising areas in textile manufacturing. It is believed that technical textiles will be one of the most prosperous industries in the coming years. Unfortunately, Pakistan is far behind in technical textiles. ICTC-2009 is a serious effort in Pakistan by the University of Management and Technology, Lahore, and the Textile Institute, UK, to explore business and value addition opportunities in technical textiles. ICTC-2009 will provide you a platform for cross-fertilization of ideas through meaningful interaction of scholars, practitioners and experts already working in this area or who have a stake in this key sector. You can also find out how to convert your existing products line into technical textiles. We strongly believe that it is the right time to enter into the technical textile business. Your participation in this conference is the first step towards the bright future of Technical Textiles.

**Rationale**
As a premier industry, Pakistan textile always played a pivotal role to drive national economy. Its predominant presence in the economy is manifested in terms of its significant contribution to industrial production, employment generation and foreign exchange earnings.

With rapid technological advancements and changes in life style, textile sector has also realized the need to respond to these changes by modifying its approach towards production, customers, and services. One of the most significant phenomenon is the emergence of technical textile to meet diversified needs of customers in the global market. Keeping in view the emerging competition at global level in general and Asia in particular, Pakistan has to make tremendous efforts to maintain its edge and position. This is possible with the induction of modern technologies, latest textile processing techniques and specialized skills. To ensure being on the right track at the right time, we need to shift from conventional textiles to technical textiles and knowledge-based value-added products. ICTC-2009 as a ground breaking event will bring together stakeholders from industry, academia and state institutions to address the problems being faced by the textile industry of Pakistan and arrive at a strategic resolve to come out of this impasse and benefit from our strength in textiles as the mainstay of Pakistan economy.

**Theme**
ICTC-2009 is being organized on one of the most promising areas of the textile sector i.e. Technical Textiles, a sector with more than 10% annual growth and a US$ 12billion share in the international market. Unfortunately, Pakistan has no share in technical textiles which calls for a serious effort to develop technical textiles in Pakistan. ICTC-2009 will provide a platform to scholars and practitioners to present their research findings and share innovative ideas in order to define and lead change in this sector.

**Objectives**
1. Projection of true value attached to technical textile as the major source of competition among textile players.
2. Promotion of smart textiles supported by modern technologies, equipments and innovative textile processing techniques through induction of specialized skills and high tech materials.
3. Founding a baseline for textile manufacturers by highlighting new trends in standardization through innovations, research and development to reduce dependence on traditional means and mechanisms of textiles.
4. Guiding and encouraging state institutions and concerned stakeholders to provide incentives and favorable environment for promotion of technical textiles.
5. Bridging the gap and furthering the level of interaction between industry and academia through joint ventures of research and development as well as resource mobilization in textile.

**Organizers**

**The Textile Institute UK**
The Textile Institute is a unique organization in textiles, clothing and footwear. Incorporated in England by a Royal Charter granted in 1925 as a registered charity, TI UK has individual and corporate members in 80 countries. This membership covers all sectors and all disciplines in textiles, clothing and footwear. Within the global textiles, clothing, and footwear industries, the aim of the Textile Institute is to facilitate learning, recognize achievement, reward excellence and disseminate information.

**University of Management and Technology**
The University of Management and Technology (UMT) is considered to be one of the premier higher educational institution in the country dedicated to excellence in teaching and research. UMT offers a range of degree programs that match international standards of scholarship. These courses are taught by highly qualified faculty that comprises of 130 full time and 70 part time members, including 30 PhDs. UMT has been awarded “W” category by the Higher Education Commission (HEC) of Pakistan.

**Registration**
- Fill the registration form (attached and downloadable in PDF format from conference website http://www.umt.edu.pk/ictc2009/).
- See details for payments on the attached form.

**Registration Fee**

<table>
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<tr>
<th>Delegates</th>
<th>Fee</th>
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<tbody>
<tr>
<td>From Foreign Countries</td>
<td>US $ 100.00</td>
</tr>
<tr>
<td>From Pakistan</td>
<td>Rs 4000.00</td>
</tr>
<tr>
<td>Students from Any Institute</td>
<td>Rs 2000.00</td>
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The fee includes conference material, souvenirs, refreshment and lunch for two days.

**Conference Chair**
Dr Hasan Sohaib Murad, Rector
University of Management and Technology
Lahore-Pakistan

**Organizing Committee**
- Syed M Qutub
- Dr Sarwar Rana
- Col(R) Zafar Ali
- Dr Nabeel Amin
- Saleem Atta
- Hammad Mohsin

**Secretary**
Mr. Mushtaq Mangat

**Treasurer**
Mr Irfan Ahmad Shaikh
Rector's Message

The University of Management and Technology (UMT) has a long-standing association with the textile industry. Way back in 1992, UMT, then known as ILM, started professional diploma training programs to support the textile industry of Pakistan. In 1993, we began offering graduate programs in textiles. Consequently, more than 800 of our textile graduates are now serving the industry in various sectors. Moreover, UMT has planned to organize textile conferences every two years to promote research in the textile sector and to bridge the gap between theory and practice, academia and the industry. This is the second conference that is being organized to achieve these goals. ICTC-2009 will provide a platform to researchers to present their research and will help explore practical implications for the betterment of the textile industry. Meanwhile, there is reason to hope for better prospects for the industry in the near future. Needless to say, the private sector requires the support of the government in its efforts to modernize itself, to increase productivity and to enhance competitiveness. I am confident that this mega event will highlight the significance of technical textiles in our efforts to add much needed value to the textile sector, the mainstay of Pakistan economy.

I invite all of you to participate in the ICTC-2009 and be a part of our drive to promote the cause of Textile in Pakistan.

APTMA Chairman's Message

In these precarious times of global recession and mounting security challenges, the holding of ICTC-2009 is a positive step in the right direction at the right time, to supplement our efforts to promote the cause of textile industry in Pakistan. It is very encouraging to know that UMT and the Textile Institute UK are not only aware of the challenges faced by the textile industry in Pakistan but are playing active role to bring together the stakeholders on a single platform for devising strategies to further the cause of the textile sector in Pakistan. APTMA welcomes the distinguished delegates from inland and abroad, and we ensure our full support to realize the dream of value-added technical textiles in the country.

Textile Institute UK Secretary's Message

It had been a great experience to work with UMT in holding the first textile conference and we feel proud to continue with this partnership and welcome you all in the 2nd ICTC-2009. The objectives of The Textile Institute is to promote professionalism at all levels and in all spheres of textiles in the World and optimistic to get many more stakeholders on board for the cause of technical textile, a strategic step towards enhancement of our strengths in textile industry and utilization of new avenues in global markets. We invite all stakeholders in textile industry, academia and government of Pakistan in general and Punjab in particular to shoulder their responsibilities at this critical juncture and uphold the cause of textile industry by showing their interest and support for technical Textile.

Conference Secretariat
Textile Department
School of Science and Technology, UMT, Lahore
Tel: 042-5212801-10 Ext 436 Email: ictc2009@umt.edu.pk