



International Conference on Technical Textiles and Nonwovens 11-13 November 2010



Organized by
Department of Textile Technology, IIT Delhi

Conference Venue: Seminar Hall, IIT Delhi

Conference Website: www.textileconferenceiitd.com

About the Conference

The conference, fourth in the series of the International Conferences on Technical Textiles and Nonwovens, organized by the Textile Department aims to bring together industry, research organizations and academia involved in the field of technical textiles and have meaningful discussions on the existing technical textile products, new product development possibilities, current issues, domestic and global market potentials for these products and finally to come up with suitable strategy for the development of technical textiles in India. While industries stand to benefit from new scientific information and data exchange in the international platform, participants from research organizations and academic institutions would enrich themselves from current state of research in the field of technical textiles and to identify the focus areas for R&D and develop appropriate technology and innovative products.

The areas of the papers to be presented and discussed will be on design aspects, recent manufacturing technologies, structure-property relationship for various functional and technical textile products including technical yarns, woven, knitted, braided and nonwovens products. There would be invited talks on recent areas like photochromic textiles, speciality fibres, spacer fabrics and processing. Application areas would include geotech, indutech, medtech, mobiltech, protech and sporttech.

The conference would deal with oral papers and poster presentation from different sectors of technical textiles. Special sessions would have invited speakers deliberating on Protective, Medical, Composites, Nonwoven products and Machineries.

About the Organisers

Department of Textile Technology, IIT Delhi has been actively involved in all areas of textile technology through teaching and research. The faculty members of the Department of Textile Technology, IIT Delhi have been working in the area of technical textiles, which resulted in several products, patents, student projects, and publications in many international journals. As many applications of technical textiles are inter disciplinary in nature, the textile faculty have been working with faculty either from other departments of IIT Delhi or from other institutions of international repute.

PROGRAM OUTLINE

Thursday, 11th November 2010

2.30 – 3.30 p.m.	Registration and Networking
3.30 – 4.30 p.m.	Inauguration of Conference
4.30 – 4.45 p.m.	Inauguration of Exhibition
4.45 – 5.15 p.m.	High Tea
5.15 – 6.45 p.m.	Theme Lectures

Friday, 12th November 2010

9.00-9.30a.m.	Special Lecture
9.30-11.00 a.m.	Technical Session I
11.00-11.30 a.m.	Tea and Networking
11.30-1.00 p.m.	Technical Session II
1.00-1.30 p.m.	Special Lecture
1.30-2.30 p.m.	Lunch
2.30-4.10 p.m.	Technical Sessions IIIA, IIIB, IIIC
4.10-4.40 p.m.	Tea and Networking
4.40-6.20 p.m.	Technical Session IVA, IVB, IVC
6.20-7.00 p.m.	Poster Session and Networking
7.00-8.00 p.m.	Cultural Program
8.00-9.00 p.m.	Conference Dinner

Saturday, 13th November 2010

9.00-9.30 a.m.	Special Lecture
9.30-11.30 a.m.	Technical Session V
11.30-12.00 a.m.	Tea and Networking
12.00-1.30 p.m.	Technical Session VI
1.30-2.30 p.m.	Lunch
2.30-4.30 p.m.	Technical Session VIIA, VIIB
4.30-4.45 p.m.	Tea and Networking
4.45-5.30 p.m.	Prize Distribution and Concluding

Technical Sessions on

- Protective Textiles
- Medical Textiles
- Composites
- Nonwovens
- Raw Material and Production Processes
- Production Machines
- Properties and Applications

Strategic Partners

- Business Co-ordination House (BCH)

Media Partners

- Asian Textile Journal
- Technical Textiles & Nonwovens Excellence
- BCH TechTex India

Supported by

- Office of the Textile Commissioner
- CITI
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- EDANA
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- Raman FibreScience, Bangalore
- REICOFIL, Germany
- SI-KA-TEC, Germany
- Technical Absorbents Ltd, UK
- Teijin India Pvt. Ltd., Japan

.....and more

Partial List of Papers

1. **Global quality and safety requirements for nonwovens and related products: The EDANA product stewardship approach**, Hadjira Mezaiti, Belgium
2. **Sustainability and product flexibility of spunmelt technologies**, Hakan Holmér Oerlikon Neumag, Germany
3. **Technologies for nonwovens: From Geotextile High tenacity fibers to bicomponent spunbond**, Stefano Colombo, FARE' S.p.A. , Italy
4. **Entanglement of Nonwoven fabrics**, Gerold Gonska, Andritz Kusters, Germany
5. **Photochromic textiles by functional coating**, Edith Classen, Institute of Textile Innovation, Germany
6. **Latest Technique and Technology for the Production of Needle Felted Nonwovens and their Applications**, Hjalmar Schwab, Dilo Group, Germany
7. **Game-Changing Surface Pre-Treatment Technology for Nonwovens**, Enercon Industries Corporation, USA
8. **REICOFIL Spunbond and Meltblown Lines for various applications, New EM concept as a chance for India's hygiene market** , Lars Leu and Falk Rösner, Reicofil, Germany
9. **Polyester Elastomer Fiber (ELK™)**, Priyarpan Srivastava ,Teijin India Private Limited, Japan
10. **Super Absorbent Fibre (SAF®) – Innovative fluid management solutions for advanced technical textiles**, Dave Hill ,Technical Absorbents Ltd, UK
11. **Latest developments in hygiene product construction through the use of zero-slip concept: rediscovering the wheel**, Marco Rosani, GDM SpA, Italy
12. **Observations on the U.S. Specialty Fabrics Market and Opportunities in Asia Pacific**, Todd Lindemann, IFAI, USA
13. **3D innovative wavemaker nonwovens for mobiltech, Swarna Bansal**, Institut für Textil- und Verfahrenstechnik (ITV Denkendorf), University of Stuttgart, Germany
14. **PPE-a review on need of multiple hazard protection**, Milind Khandwe, Entermonde polycoaters Ltd., Nasik
15. **Flexible check dam for water shed management – an innovative application for technical textile**, M K Talukdar, Kusumgar Corporates, Mumbai
16. **Nonwoven Bioresorbable Vascular Grafts**, Gary L. Bowlin, Virginia Commonwealth University, USA
17. **Medical Textiles in Healthcare - A User Perspective and Interesting Developments**, Dr Ashish Mehta, Spinal & Neurological Surgeon, Mumbai.
18. **Application Of Geotextiles In Bank Protection Measures For Thermal Power Intake**, V G Bhawe, Central Water & Power Research Station, Khadakwasla, Pune
19. **Ultraviolet protection of textiles**, Polona Dobnik Dubrovsk, Faculty of Mechanical engineering, Department of Textiles, Slovenia
20. **Textile performs for composites**, Raul Fangueiro, Univ. of Minho, Portugal
21. **Theoretical model of compressibility behaviour of warp knitted spacer Fabrics**, Fatemeh Mokhtari, Amirkabir University of Technology, Iran.
22. **Textiles for filtration- An Indian market perspective**, Ritika Gupta, BCH, Delhi
23. **Medical textiles: disposable nonwovens**, Sanjay Vishwakarma, Textile Research & Application Development Centre, Birla Cellulose, Bharuch
24. **Textile composites based on natural fibres**, Sabu Thomas, Mahatma Gandhi University, Kottayam
25. **Modification of pre-oxidized cotton with chitosan for durable antibacterial and controlled drug delivery system**, M.D.Teli, U.I.C.T Mumbai
26. **Teleintimation garment for soldier's status monitoring applications**, L. Ashok Kumar, PSG College of Technology, Coimbatore
27. **Advances in Bio-medical textiles**, Bhubanesh Gupta, Indian Institute of Technology, Delhi
28. **Novel self-assembled bioactive coating on textiles using chitosan nanoparticles**, S. Wazed Ali, Indian Institute of Technology, Delhi
29. **Microwave absorbent nanocomposite coatings for nylon fabric**, A. Bhattacharyya, Indian Institute of Technology, Delhi
30. **Application of shear thickening fluids (STFs) for improved body armor performance**, A. Srivastava, Indian Institute of Technology, Delhi

International Conference on
Technical Textiles and Nonwovens
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Registration Fees

Industry Rs. 3,000 (US\$ 100)
Academic Institutions Rs. 2000 (US\$ 50)
Students Rs. 750 (US\$ 20)

REGISTRATION FORM
(Please use block letters)

Name : _____

Designation : _____

Organization : _____

Address : _____

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Details of Cheque /DD No.: _____ [Drawn in favour of "ICTN 2010"]

Amount _____ Date : _____ Place: _____

Signature _____

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