



International Conference on Technical Textiles and Nonwovens

11-13 November 2010



Organized by
Department of Textile Technology, IIT Delhi

PROGRAMME

DAY - 1 (THURSDAY 11 NOVEMBER 2010)

2.30-3.30 p.m.	Registration and Welcome Tea
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:
5:15 - 5:45	Technical Textiles and Nonwovens –Present and future scenario in India, B V Rajesh, ICRA Management Consulting Services Limited, Bangaluru
5:45 - 6:15	Selected Developments in Materials and Technologies for Technical Textile Applications, V K Kothari, Indian Institute of Technology, Delhi
6:15 - 6:45	Medical textiles in healthcare - A user perspective and interesting developments, Ashish Mehta, Spinal & Neurological Surgeon, Mumbai

DAY 2 (FRIDAY, 12 NOVEMBER 2010)

09:00-09:30 am	Special Lecture : Global quality and safety requirements for nonwovens and related products: The EDANA product stewardship approach, Oliver Bisazza, EDANA, Belgium
09:30 – 11:00am	SESSION – I: NONWOVENS I
09:30 – 09:55	Latest technique and technology for the production of needle felted nonwovens and their applications, Hjalmar Schwab, Dilo Group, Germany
09:55 - 10:20	Optimization of needle patterns in felt processing, Hannes Pum, Oerlikon Neumag, Germany
10:20 - 10:45	Flexible production lines for nonwoven market applications, Geoff R Kershaw, NSC Nonwovens
10:45 - 11:00	Question-Answers and Concluding Remarks
11:00 -11:30am	Tea and Networking
11:30-12:00pm	Special Lecture: Government Initiatives for Promotion of Technical Textiles in India, Shashi Singh, Joint Textile Commissioner, GOI, India
12:00 - 01:30pm	SESSION – II: NONWOVENS II
12:00 - 12:25	Entanglement of nonwoven fabrics, Gerold Gonska, Andritz Kusters, Germany
12:25 - 12:50	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
12:50 - 01:15	Technologies for nonwovens – From Geotextile_High tenacity fibers to bicomponent spunbond, Stefano Colombo, FARE’ S.p.A, Italy
01:15 - 01:30	Question-Answers and Concluding Remarks
01:30 - 02:30pm	LUNCH
02:30 - 04:10pm	PARALLEL SESSIONS – PROTECTIVE TEXTILES, PRODUCT DEVELOPMENT, TEXTILE COMPOSITES
	SESSION III A : PROTECTIVE TEXTILES
02:30 - 02:50	Ultraviolet protection of textiles, Polona Dobnik Dubrovsk, Faculty of Mechanical Engineering, Department of Textiles, Slovenia
02:50 - 03:10	PPE-Need of multiple hazard protection, Milind Khandwe, Entermonde Polycoaters Ltd., Nasik
03:10 - 03:30	Application of shear thickening fluids (STFs) for improved body armour performance, A. Srivastava, Indian Institute of Technology, Delhi
03.30 - 03.50	Effect of various parameters on efficiency of needle punched nonwoven filtration textiles, S.K. Chinta, A.V. Ravrane, Rohan B. Taware, Dkte’s Textile & Engineering Institute, Ichalkaranji
03:50 - 04:10	Question-Answers and Concluding Remarks

02:30 - 02:50	SESSION III B : PRODUCT DEVELOPMENT Developments in the process and product applications of wetlaid nonwovens , Aroon Raman, Raman FibreScience Private Limited, Bangalore
02:50 - 03:10	Game-changing surface pre-treatment technology for nonwovens , Enercon Industries Corporation , USA
03:10 - 03:30	Influence of distribution of interlacement in woven preforms for technical textiles , Mishra S., Banerjee P.K., Department of Textile Technology, Indian Institute of Technology, Delhi
03:30 - 03:50	Performance of Ultrafine denier nonwovens in the development of active wear , R. Ramachandran, PSG College of Technology, Coimbatore
03:50 - 04:10	Question-Answers and Concluding Remarks
02:30 - 02:50	SESSION III C : TEXTILE COMPOSITES Textile performs for composites , Raul Fanguero, Univ. of Minho, Portugal
02:50 - 03:10	Hybrid yarns for advanced composite applications , R. Alagirusamy, Department of Textile Technology, Indian Institute of Technology, Delhi
03:10 - 03:30	Natural fibres in alternative applications , S Mukhopadhyay, Indian Institute of Technology, New Delhi
03:30 - 03:50	Studies on the tribological behavior of multilayered textile composites , Naveen V. Padaki, Central Silk Board, Khanapara
03:50 - 04:10	Question-Answers and Concluding Remarks
04:10 - 04:40pm	Tea and Networking
04:40 - 06:20pm	PARALLEL SESSIONS – MEDICAL TEXTILES, GEOTEXTILES, FILTERS AND OTHERS
04:40 - 05:00	SESSION IV A: MEDICAL AND HYGIENE TEXTILES -I Nonwoven bioresorbable vascular grafts , Gary L. Bowlin, Virginia Commonwealth University, USA
05:00 - 05:20	Industrial scale production of nanofibers and their potential applications , Mr. Michal Bartik, Elmarco Ltd, Japan
05:20 - 05:40	World of Biotextiles and Bioengineering , Bhuvanesh Gupta, Indian Institute of Technology, Delhi
05:40 - 06:00	Modification of pre-oxidized cotton with chitosan for durable antibacterial and controlled drug delivery system , M.D.Teli, U.I.C.T Mumbai
06:00 - 06:20	Question-Answers and Concluding Remarks
04:40 - 05:00	SESSION IV B : GEOTEXTILES Jute based nonwoven in technical textiles , Surajit Sengupta, National Institute of Research on Jute & Allied Fibre Technology, Kolkata
05:00 - 05:20	The material of future for infrastructure development in india , Rohit Chaturvedi, Techfab India Industries Ltd., Delhi
05:20 - 05:40	Application of geotextiles in bank protection measures for thermal power intake ,V G Bhawe, Chief Research Officer, Central Water & Power Research Station, Khadakwasla.
05:40 - 06:00	Field trial on jute based nonwoven agro textile , A. K. Majumder & K. K. Satapathy, National Institute of Research on Jute & Allied Fibre Technology, Kolkata
06:00 - 06:20	Question-Answers and Concluding Remarks
04:40 - 05:00	SESSION IV C: FILTERS AND OTHERS Textiles for filtration- An Indian market perspective , Ritika Gupta, BCH, New Delhi
05:00 - 05:20	Simulation of filtration performance of nonwoven filter media: effect of fibre shape , Arun Kumar Pradhan, Indian Institute of Technology, New Delhi
05:20 - 05:40	Heat and moisture vapour transmission characteristics of multi-layered fabric ensembles , Apurba Das, Indian Institute of Technology, New Delhi
05:40 - 06:00	Making a case for polyester spunbond nonwovens under Indian conditions , Ravishankar, K's Technical & Management Consultants, Baroda
06:00 - 06:20	Question-Answers and Concluding Remarks
06:20 - 07:00pm	POSTER SESSION AND NETWORKING
07:00 - 08:00pm	CULTURAL PROGRAMME
08:00 - 09:00pm	CONFERENCE DINNER

DAY-3 (SATURDAY, 13 NOVEMBER 2010)

09:00-09:30 am	Special Lecture : “Observations on the U.S. Specialty Fabrics Market and Opportunities in Asia Pacific”, Todd Lindemann, IFAI,U.S.A.
09:30 – 11:30am	SESSION – V: Raw Materials and Processing
09:30 – 09:55	Photochromic textiles by functional coatings, Edith Classen, Jan Beringer, Hohenstein Institut für Textilinnovation e.V., Schloss Hohenstein, Germany
09:55 - 10:20	Polyester Elastomer Fiber (ELK™), Priyarpan Srivastava, Teijin India Private Limited, Japan
10:20 - 10:45	Super Absorbent Fibre (SAF®) – Innovative fluid management solutions for advanced technical textiles, Dave Hill, Technical Absorbents Ltd, UK
10:45 - 11:10	Latest developments in hygiene product construction through the use of zero-slip concept: Rediscovering the wheel, Marco Rosani, GDM SpA, Italy
11:10 – 11:30	Question-Answers and Concluding Remarks
11:30 -12:00am	Tea and Networking
12:00 - 01:30pm	SESSION – VI: PRODUCT DEVELOPEMENT -II
12:00 - 12:25	Development in technical yarn spinning machines, D. Ghosh, Oerlikon Textile India Pvt. Ltd, Mumbai
12:25 - 12:50	Antibacterial activity of textiles – review of methods and interpretation of results Petr Benesovsky, Marketa Hudcova, Textile Testing Institute, Czech republic
12:50 - 01:15	Flexible check dam for water shed management – An innovative application for technical textile, M K Talukdar, Kusumgar Corporates, Mumbai
01:15 - 01:30	Question-Answers and Concluding Remarks
01:30 - 02:30pm	LUNCH
02:30 - 04:30pm	SESSION – VIIA : PRODUCT DEVELOPMENT -III
02:30 - 02:50	Fabric sensor for sign language console, Hireni Mankodi, Department of Textile Engineering, Faculty of Technology and Engineering, The M.S. University, Baroda
02:50 - 03:10	Novel self-assembled bioactive coating on textiles using chitosan nanoparticles, S. Wazed Ali, Indian Institute of Technology, New Delhi
03:10 - 03:30	Teleintimation garment for soldier’s status monitoring applications, L.Ashok Kumar, PSG College of Technology, Coimbatore
03:30 - 03:50	Compact spinning of microfibrres for technical applications, G.Ramakrishnan, Kumaraguru College of Technology, Coimbatore
03:50 - 04:10	Effect of bio pretreatment on weft knits for medical applications, Shanthi.R, Kumaraguru College of Technology, Coimbatore
04:10 – 04.30	Question-Answers and Concluding Remarks
02:30 - 04:30pm	SESSION – VIIIB : PRODUCT DEVELOPMENT -IV
02:30 - 02:50	Microwave absorbent nanocomposite coatings for nylon fabric, A. Bhattacharyya, Indian Institute of Technology Delhi, New Delhi
02:50 - 03:10	Manufacturing and characterization of pressure bandages, Manjunath C. Burji, P.V. Kadole, S.S.Aparaj, D.K.T.E’S Textile and Engineering Institute, Ichalkaranji
03:10 - 03:30	A study on degradation behaviour of coir/polypropylene needle punched nonwoven geotextiles in different environmental conditions, E. Tholkappiyan, Bannari Amman Institute of Technology, Sathyamangalam
03:30 - 03:50	Antimicrobial finish for fabrics using herbal extracts, Y.Subhashini, P.S.G.R.Krishnammal college for women, Coimbatore
03:50 - 04:10	Development and characterisation of drug releasing polylactic acid suture, O.L.Shanmugasundaram, KSR College of Technology, Tiruchengode
04:10 – 04:30	Question-Answers and Concluding Remarks
04:30 - 04:45pm	Tea and Networking
04:45 - 05:30pm	Prize Distribution and Concluding Session