

NANOITALTEX 2009

Innovation and emerging technologies for textile & clothing

Milan, 10-11 November 2009

Grand Hotel Villa Torretta

Since its first edition in 2005, NanoItalTex has been characterized for being a meeting and a collective brainstorming on a different way to approach the future, disclosing possible “visions” in advance and encouraging the development of strategies aimed at promoting and giving dynamism to the sector.

The aim of the several editions has been to point out the innovative capacities of textile materials as possible interactive solutions for the requirements of a developing society, by foreseeing emergent needs and consequently managing to plan development processes aimed at finding possible solutions to them.

The concreteness of this statement has already received approval in the past editions, which have become the starting point for new partnerships, at national and international level, among companies, universities and research centres, as well as among institutions and representative organizations.

During all these years, the Conference has widened the field of the subjects dealt with: the programme includes sessions dedicated to advanced research, product innovation, presentation of research projects etc.. Particularly interesting is the participation of foreign operators and speakers coming from Germany, Switzerland, France, Great Britain, Belgium for which NanoItalTex has become a “window” to monitor what is going on in the innovative Italian textile sector.

Thus, in the 2-day programme, thanks to the talks of experts coming from the world of research, industry and international institutions, there will be a great attention to those emerging technologies that could play a key role in responding to the needs of the market, broadening the range of applications and products.

The themes of NanoItalTex 2009 will be:

10 November

**Competitiveness and innovation
Nano, smart and other technologies
From the idea to the product
Innovation from nature**

11 November

**Market scenarios for the technical and innovative textiles in Europe
Recent developments in textiles for transportation
Products and performing textiles for industrial processes**

As usual, there will be a poster session aimed at presenting developments and innovations underway inside companies, universities and research centres participating at the conference.

Who should attend?

The Conference presents a wide range of interesting topics for all textile operators, entrepreneurs, researchers from industry and universities, managers with planning, production or purchasing responsibilities, equipment suppliers, product developers and designers, venture capitalists. All can benefit from the participation for the opportunity of gaining information on current trends of the textile sector, starting contacts and networking to foster co-operations and actions.

Contatti: **TexClubTec** - promozione@texclubtec.it - www.texclubtec.it

Viale Sarca 223 - 20126 Milano - tel. 0039 02 66118098 - fax 0039 02 6438689

Programme: 10 November 2009

H. 9.00 - REGISTRATION

H. 10.00 - 11.30

COMPETITIVENESS AND INNOVATION: STRATEGIES, NETWORK AND TOOLS FOR COMPANIES

Co-ordinator: **Andrea Parodi**, President of TexClubTec

The European man-made fibres industry in 2009: fighting recession, planning for recovery
(Colin Purvis, CIRFS - Belgium)

Biotex, a new technological platform for textile & clothing: Textiles and biotechnologies
(Mauro Scalia, Euratex - Belgium)

Innovation support through the implementation of regional technological networks
(Eugenio Tettamanti, Unione Industriali di Como - Italy)

Managing innovation in networks – A challenge for technical textile products
(Thomas Fisher, DITV Denkendorf - Germany)

The importance of technological know how for companies: how to safeguard the existing knowledge and to acquire the necessary one.
(Thanos Contargyris, IFTH - France)

H. 11.30 - 13.00

NANO, SMART AND OTHER TECHNOLOGIES: INNOVATIVE PRODUCTS FROM COMPANIES, UNIVERSITIES AND TECHNOLOGICAL CENTRES

Co-ordinator: **Aldo Tempesti** - TexClubTec

New surface treatments based on nanotechnologies
(Lorenzo Bautista, Leitat - Spain)

Use of phase change materials for the realization of smart elbow support
(Mauro Giacomelli, Grado Zero - Italy)

Intelligent functional fibers based on Lyocell and their application – Discover the world of intelligent fibers
(Gerard A. Neudorfer, Smartfiber AG - Germany)

Carbon nano tubes in technical textile application, spacing from structural to functional composites

(Luca Mezzo, Nanocyl - Belgium)

H. 13.00 - LUNCH / POSTER SESSION**H. 14.15 - 15.30****FROM THE IDEA TO THE PRODUCT: PRESENTATION AND CURRENT STATE-OF-THE ART OF SOME EUROPEAN RESEARCH PROJECTS IN THE FIELD OF TECHNICAL TEXTILES**

Co-ordinator: Massimo Marchi - Marchi & Fildi - Italy

Smart textiles for civil engineering to monitor the stability of buildings, dykes and civil structures

(Thomas Messerey, D'Appolonia, Italy)

Nanoparticles as promising flame retardant additives for textile fabrics

(Jenny Alongi, Politecnico di Torino, Italy)

Profitex – Providing Fire Fighters with technology for excellent work safety

(Julian Eichhoff, Aachen University - Germany)

Textiles for anti-balistic protection against terrorist attacks in the aeronautical sector

(Donato Zangani, D'Appolonia, Italy)

Experimental study on SMA (Shape Memory Alloys) hybrid composites for the prediction of impact resistance and vibration damping behaviour

(Rocco Rametta, Cetma, Italy)

H. 15.30 - 17.30**INNOVATION FROM NATURE: BIOTREATMENTS AND NEW APPLICATIONS FOR NATURAL AND BIO-BASED FIBRES**

Co-ordinator: Bruno Marcandalli, Stazione Sperimentale della Seta - Italy

New product and application scenarios for bio-based fibres and technical uses for traditional natural fibre

(Giuliano Freddi, Stazione Sperimentale Seta, Italy)

Enzymatic bioprocessing: new tool of extensive natural fibre source utilization

(Jan Marek, Innotex - Czech Republic)

Contatti: TexClubTec - promozione@texclubtec.it - www.texclubtec.it
Viale Sarca 223 - 20126 Milano - tel. 0039 02 66118098 - fax 0039 02 6438689

New industrial products obtained from natural and bio-based fibres
(Daniele Beringheli, Filati Maclodio - Italy)

PLA Monofilaments for medical applications
(Barbara Fontana, Sider Arc - Italy)

H. 17.30 - 20.00 POSTER SESSION / BUSINESS MEETING (*)

**(*) Few days before the Conference, a list of all participants will be distributed in order to allow the request of B2B meetings both with speakers or operators (companies, research centres, universities).
The meetings will be held in the Poster Session area.**

Programme: 11 November 2009

H. 9.00 - POSTER SESSION

5TH EUROPEAN TECHNICAL TEXTILES CLUB CONVENTION

The itinerant international convention, that traditionally presents what is going on in terms of innovation in the technical textile sector, in this edition will be focused on a general overview of the European market and on technical textiles used in transportation and industrial sector.

H. 9.30 - 10.30

EVOLUTION AND MARKET SCENARIOS FOR INNOVATIVE AND TECHNICAL TEXTILES IN EUROPE

Co-ordinator: Michael Jaeneke, Messe Frankfurt - Germany

With the participation of:

Aldo Tempesti	TexClubTec	(Italy)
Werner Zirnzak	IGTV	(Germany)
Patrice Gallant	Clubtex	(France)
Caroline Sonnevile	Fedustria	(Belgium) - to be confirmed

H. 10.30 – COFFEE-BREAK

Contatti: **TexClubTec** - promozione@texclubtec.it - www.texclubtec.it
Viale Sarca 223 - 20126 Milano - tel. 0039 02 66118098 - fax 0039 02 6438689

H. 10.45 – 13.00**RECENT DEVELOPMENTS IN TEXTILES FOR TRANSPORTATION**

Co-ordinator : Werner Zirnzak-IGTV (Germany)

Coating of technical textiles

Edmund Lingel, Lefatex Chemie GmbH, Germany)

Automotive textiles

(Sergio Alibrandi, Sitip, Italy)

Dope-dyed antibacterial yarn for transportation

(RadiciGroup, Italy)

Low-E textiles – Soft cover for high requirements

(Florian Diederich, TAG Composites, Germany)

H. 13.00 – LUNCH / POSTER SESSION**H. 14.30 – 16.00****PRODUCTS AND HIGH PERFORMANCE TEXTILES FOR INDUSTRIAL PROCESSES**

Co-ordinator: Patrice Gallant, Clubtex - France

Self-cleaning finish for technical textiles

(Wolfram Badura, BASF SE, Germany)

Textiles with high performance acoustic behaviour

(Paolo Canonico, Saati, Italy)

Textiles for industrial filtration

(Daniela De Angelis, Testori – Italy)

H. 16.00 – END OF CONFERENCE

It is foreseen a simultaneous translation Italian-English and vice-versa

For information and programme updates: www.texclubtec.it - www.nanoitaltex.org

13 october 2009

Contatti: **TexClubTec** - promozione@texclubtec.it - www.texclubtec.it
Viale Sarca 223 - 20126 Milano - tel. 0039 02 66118098 - fax 0039 02 6438689