

## **NanoltaTex 2007**

### **Nanotech and other emerging technologies for textiles and clothing**

R&D, marketing, innovation financing, educational needs

**21 - 22 November 2007**

Palazzo Affari ai Giureconsulti – P.zza Mercanti 2, Milan, Italy

---

**1° DAY, NOVEMBER 21<sup>st</sup>, 2007**

**9.15**      **Registration**

**10.00**      **Opening Conference**  
(Chamber of Commerce of Milano); **Elvio Mantovani** (AIRI/Nanotec IT), **Andrea Parodi** (TexClubTec)

**Plenary session - Innovation and textiles: the international scenario**

Chair. Andrea Parodi (TexClubTec)

---

**10.30**      **Competition and innovation: evolution of the textile sector in Europe**  
Michele Tronconi (Euratex)

**10.55**      **Which innovation in textiles? Radical and incremental innovation**  
Matteo Bogana (Polytechnic of Milano Foundation)

**11.20**      **Nanotechnology for textile applications**  
Dirk Hegemann (EMPA)

## New materials for textiles and clothing

Coord. Giorgio Mazzucchetti (CNR-ISMAC)

- 11.55** *Polyolefinic nanocomposites: design and application for textile*  
Giuseppe Ferrara (Basell Poliolefine Italia Srl)
- 12.20** *Cosmetotextiles: the challenges of an exciting emerging market*  
Raymond Mathis (Cognis)
- 12.45** *Waterproof, breathable fabrics: the role of nanophase separation in hydrophilic polyurethane technology*  
Robert Lomax (Baxenden Chemicals)
- 13.10** *Textile biotechnology: a tool to foster process and product innovation*  
Giuliano Freddi (Stazione Sperimentale della Seta)

## Challenges in the apparel sector

Chair. Ornella Bignami (Elementi Moda)

- 11.55** *10 years of nanotextiles at Schoeller: future strategy. Safeguarding the region's economic future. Challenges.*  
Hans Kohn (Schoeller Technologies AG)
- 12.20** *Functionality and aesthetic in sport wear. High tech materials: from theory to reality*  
Maurizia Botti (Slam)
- 12.45** *Novonic smart products, wearable technologies in the fashion market*  
Lu'ai Wahhoud (Novonic/Zimmerman GmbH)
- 13.10** *High-performance and functional textiles: the case of the "luxury" market*  
Mariangela Rossetto (Loro Piana)

### 13.35-14.30 Lunch

## The bio textile connection

Chair. Solitario Nesti (Tecnotessile)

- 14.30** *Biomedical use of nano- fibres for tissue engineering*  
Claudio Migliaresi (University of Trento)
- 14.55** *Preparation, properties and potential applications of regenerated keratin*  
Claudia Vineis (CNR-ISMAC)
- 15.20** *Innovative dressing wound: the state of the art*  
Francesco Cilurzo (University of Milano)
- 15.45** *Regenerated fibrin for the biomedical sector*  
Silvio Faragò (Stazione Sperimentale della Seta)

## Textile reinforced composite materials

Chair. Rocco Rametta (Cetma)

- 14.30** *Design and realisation of textile structures for composite materials*  
Marco Barbieri (Tecnotessile)
- 14.55** *Production techniques of narrow fabrics intended for innovative uses and for composites in technical field*  
Mauro Romano (Comez)
- 15.20** *Technological solution of composite materials in high added value sectors*  
Paolo Gariboldi (SEAL)
- 15.45** *Pro-Head: Hybrid Thermoplastic Composites for high Performance Head Protection System*  
Alessandro Bozzolo (D'Appolonia)

### 16.10-16.30 Coffe-break

## Smart textiles

Chair. Dirk Hegemann (EMPA)

---

- 16.30** ***New frontiers in Smart fabric & interactive textile wearable systems***  
Enzo Pasquale Scilingo (University of Pisa)
- 16.55** ***Integration in textile of non-invasive sensor for mobile monitoring of physiological signals***  
Fabrizio Pirri (Polytechnic of Torino)
- 17.20** ***Near-term impact of electrical conductivity of textile structures***  
Ivano Soliani (Soliani EMC)
- 17.45** ***Electroluminescent textiles: the new applications of flexible light***  
Elena Turco (Grado Zero Espace)

## Strategic horizontal issues

Chair. Massimo Marchi (Marchi & Fildi)

---

- 16.30** ***Innovation and standards. Report on results of a European textile & clothing industry survey***  
Deborah Santus – Roosen (Euratex)
- 16.55** ***Opportunities and challenges for financing innovation in the European Textile and Clothing Industry***  
Lutz Walter (Euratex)
- 17.20** ***Textile machinery: partner of choice in the innovation process of the textile industry***  
Paolo Banfi (Acimit)
- 17.45** ***The need for a responsible development of emerging technologies***  
Andrea Porcari (Airi/Nanotec IT)

**18.10 Poster session**

## 2° DAY, NOVEMBER 22<sup>nd</sup>, 2007

### Nanofibres, nanoadditives and surface treatments

Chair. Bruno Marcandalli (Stazione Sperimentale della Seta)

---

- 9.00**     **Study on photocatalytic materials to be applied for air purification**  
*Solitario Nesti / Leopoldo Corsi (Tecnotessile)*
- 9.25**     **Surface modification of polymeric nanofibres**  
*Chiara Bertarelli (Politecnico di Milano)*
- 9.50**     **Plasma nanotechnologies for industrial applications**  
*Riccardo D'Agostino (Plasma Solution/Univ. Bari)*
- 10.15**    **Applications of TiO<sub>2</sub>, CoFe<sub>2</sub>O<sub>4</sub> and ZrO<sub>2</sub> based nanomaterials on textiles: experimental results**  
*Stefano G. Carnevale (Technores)*

### New horizons for textiles in housing

Chair. Marco Parravicini (Parà)

---

- 9.00**     **A SWOT analysis for the apparel sector: scenarios and opportunities. New market examples: China and India**  
*Aldo Tempesti (TexClubTec)*
- 9.25**     **Solar shieldings and energy saving**  
*Fabio Brivio (Assites)*
- 9.50**     **Design as added value and tool for competition**  
*Dalia Gallico (ADI – Associazione Disegno Industriale)*
- 10.15**    **New techniques, New materials: important issues in tomorrow's interior decoration**  
*Patrizia Gallani (Textirama – Decosit)*

**10.40-11.00 Coffe-break**

### Plenary session: An high level educational system to support industrial transformation

Chair. Elvio Mantovani (AIRI/Nanotec IT)

---

- 11.00**    **High level education in the textile and clothing sector in Italy and Europe** *Silvio Sicardi (Politecnico di Torino - Autex)*
- 11.25**    **Which education for the innovative industry**  
*Claudio Gentili (Confindustria)*

## 12.15 Round table: Traditional and technical textiles: Opportunities, synergies and perspectives

Chair. *in definition*

---

### **Participants:**

**Daniele De Rosa** (Saati)

**In definition**

(SMI-ATI)

**Andrea Parodi** (TexClubTec)

---

*A simultaneous translation service will be available*

### **Conference Secretariat:**

**promozione@texclubtec.it – Ph: 0039 02 66118098 – Fax 0039 02 6438689**

**[www.nanotec.it](http://www.nanotec.it) - [www.texclubtec.it](http://www.texclubtec.it)**

**Program in progress:  
last update 05/11/07**

### **Call for poster**

---

To further enrich the spectrum of the contributions the event will host also a Poster Session related to the topics discussed in the conference. Those willing to participate are invited to send the title of their contribution, with short abstract, to the Secretary of the Conference by **November the 9th**. Please consider the participation fee dedicated to the poster session and the specific form (published on the website).

---

#### **AIRI / Nanotec IT**

Viale Gorizia 25/c  
00198 Roma, Italy

Tel. +39 068848831 068546662 - email [info@nanotec.it](mailto:info@nanotec.it)

#### **TexClubTec**

Viale Sarca 223 - 20126 Milano, Italy  
Tel. +39 02 66118098 - fax +39 02 6438689  
email [info@texclubtec.it](mailto:info@texclubtec.it)