



Associazione Tessile e Salute

# TESSILE e SALUTE

Health and Textile International Meeting

**4-5 May 2006**  
**Città Studi - Biella ITALY**

[www.tessileesalute.it](http://www.tessileesalute.it)

# the association

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**6 years of activity together with enterprises, research institutes and the health care world with one specific aim: improving the quality of life of textile-product users**

**“In 2000, when we began our activity, we had a priority: finding out a place where physicians, entrepreneurs, technicians, researchers could meet and work together for improving the quality of textile products, to make them fit for innovative applications in the medical and safety fields.**

**For this reason the Associazione Tessile e Salute was created.**

**Today, after six years, that small working space has become bigger and has developed data banks, research projects, experimentations, publications. This work is especially visible during the annual conferences, but the Association never stops working, it devotes itself to finding out hi tech opportunities, without ever forgetting its main objective: supporting those who contribute to a safer world by means of producing healthier, more functional and environment-friendly products.**

**The 6° International Meeting aims at providing enterprises with updated information about the most recent researches for making them able to design and produce innovation. But we pay also a lot of attention to consumers, to their behaviours and to their rights. We want replace consumerism with the leading role of consumers; we want that the dialogue between producers and consumers becomes more and more ethical”**

**Franco Piunti**  
**Chairman of Associazione Tessile e Salute**

# first day program

**THURSDAY 4<sup>th</sup> MAY 2006 - morning**

## Plenary session

Coordinator: Mauro Rossetti – Director of the Associazione Tessile e Salute

- 9.00 Luigi Squillario – Chairman of Città Studi  
Conference opening
- 9.10 Vittorio Barazzotto – Mayor of the city of Biella  
Sergio Scaramal – President of the Province of Biella  
Paolo Frascisco – General Manager of ASL 12 of Biella  
Giovanni Pozzi – Chairman of the Chamber of Commerce of Biella  
Welcome address
- 9.40 Gianluca Susta – Vice-President Piedmont Region  
Research and Innovation: strategic measures for relaunching the textile industry
- 10.00 Mario Boselli – Chairman of the National Chamber for Italian Fashion  
Fashion and Health: strategies for protecting the consumers' health and the Italian textile and clothing sector
- 10.20 Coffee break
- 10.40 Francesco Rio – World Health Organization, WHO – Switzerland  
Health emergencies, poverty, epidemics: world scenarios for textile applications and research
- 11.00 Donato Greco – Italy's National Centre for Disease Prevention and Control, Ministry of Health  
Guaranteeing the safety of textile products: the role of the Ministry of Health
- 11.20 Sergio Perticaroli – ISPESL  
Workers' and consumers' protection: the role of ISPESL
- 11.40 Xing-Hua Gao – Dep. of Dermatology, No.1 Hospital of China Medical University, Shenyang – China  
Interactions between fibres and the skin, a bridging role for Chinese dermatologists
- 12.00 Elvio Mantovani – Airi/Nanoit  
Nanotechnologies in Italy: the Nanotec IT census
- 12.20 Claudio Germinario – European Patent Attorney  
The protection of intellectual property rights for helping small and medium enterprises to develop, fight, and protect themselves

# first day program

**THURSDAY 4<sup>th</sup> MAY 2006** – afternoon

## **Session 1: The commitment of the Associazione Tessile e Salute in favour of consumers' safety**

**14.30 Health Assessorship – Piedmont Region**

**Welcome**

**Franco Piunti – Chairman of the Associazione Tessile e Salute**

**Introduction and presentation of the 'Sicurtex' project**

**14.45 ROUND TABLE**

**Data bank of the substances used in textile production processes and end products.**

**Coordinator: Sergio Perticaroli, ISPESL**

**Participants: Nicolina Mucci – ISPESL, Roberto Binetti, Istituto Superiore di Sanità; Silvano Terraneo – Federchimica; Carlo Pini – Istituto Superiore di Sanità; Enrico Pira – Occupational medicine, Turin**

**15.45 Paolo Lisi – Dip. of medicine and surgery – Policlinico Montelucre, University of Perugia**

**The National Dermatological Observatory**

**16.10 Donato Greco – National Centre for Disease Control and Prevention, Ministry of Health**

**Conclusions**

**16.30 Coffee break**

**17.00 Riccardo Innocenti – ISMAC section of Biella, NCR**

**Nicolina Mucci – ISPESL**

**Ecotoxicological features of textile products: interlaboratory analysis of heavy metal residues**

**17.20 Paolo Pigatto – Institute for Dermatological Sciences of the University of Milan  
Francesco Castellotti – Federconsumatori-ADOC-ADUSBEP**

**The initiatives for protecting textiles consumers: survey on the prevalence of dermatological sensitization cases among the Lombardy population**

**17.40 Gisberto Paoloni – Regional Agency for Environmental Protection**

**Instruments for safer footwear products**

# first day program

**THURSDAY 4<sup>th</sup> MAY 2006 – afternoon**

## **Session 2: Medical applications for textile products**

### **14.30 Session introduction**

Chairman: Silvio Sicardi (Polytechnic of Turin)  
Coordinators: Anilkumar Dave (innovation expert);  
Flavia Chiarotti (Istituto Superiore di Sanità)

### **14.40 Genevieve Garsoux – Centexbel – Belgium**

**Barrier textiles for health and safety, from a microbiological point of view: assessment and performance requirements in relation with European standardization**

### **15.05 Enzo Berardesca – San Gallicano Dermatological Institute, IRCCS, Rome** **A new textile for treatment of xerotic skin conditions**

### **15.30 Gianluca Ciardelli – Dep. Mechanical Engineering, Polytechnic of Turin** **Non-woven electrospun gelatin-based matrices for biomedical applications**

### **15.55 Ubaldo Armato – Dep. of Biomedical and Surgical Sciences, University of Verona Medical School** **Silk fibroin non-woven materials as scaffolds for reticular connective tissue bio-engineering**

### **16.20 Ada Ferri – Department of Materials Science and Chemical Engineering – Polytechnic of Turin** **Dye toxicity modelled by Quantitative-Structure-Property-Relationships**

### **16.45 Coffee break**

### **17.05 Antonio Alessandrino – Bioengineering Department, Polytechnic of Milan** **In-vitro biodegradation of silk fibroin woven structures as scaffolds for Anterior Cruciate Ligament reconstruction**

### **17.30 Gustaaf Schoukens – Department of Textiles, Ghent University – Belgium** **New bioactive textile dressing materials from dibutrylchitin**

### **17.55 Claudia Vineis – ISMAC section of Biella, NRC** **Nanofibres of wool keratin/poly-ethylene-oxide blends for biomedical applications**

# second day program

**FRIDAY 5<sup>th</sup> MAY 2006 – morning**

## **Session 1: Textiles for sport activities and protective textiles**

### **9.00 Session introduction**

Chairman: Giorgio Mazzuchetti (ISMAC section of Biella, NCR)  
Coordinators: Giorgio Gilli (Public and Microbiological Health Dep.  
– University of Turin)  
Gianfranco De Martini (textile entrepreneur)

**9.10 Raul Figueiro – Dep. Of Textile Engineering, University of Minho – Portugal**  
**Performance evaluation of multifunctional fibrous materials  
for specialty products**

**9.35 Alfonso Crisci – Institute of Biometeorology, NRC , Florence**  
**Micrometeorological Textile System for thermo–physiological comfort  
and biometeorological surveys in outdoor extreme conditions**

**10.00 Valeria Brazzelli – Dermatological Clinic, University of Pavia**  
**Photo–protection and fabrics: state of the art and future research possibilities**

**10.25 Roberto Merletti – LISiN Polytechnic of Turin**  
**Luca Florio – LISiN Polytechnic of Turin, ITI Biella**  
**The role of textiles in surface electromyography**

**10.50 Coffee break**

**11.10 Maria José Gerales – University of Beira Interior, Covilha – Portugal**  
**Improvement of the athlete's performance through new knits structures  
and new PP fibres**

**11.35 Vincenzo Romano Spica – Dep. of Health Sciences of the University of Movement  
Sciences (IUSM)**  
**Public health issues of sportswear**

**12.00 Alessio Pitidis – Istituto Superiore di Sanità, Rome**  
**Protective textiles in home and living environment**

**12.25 Luigi Turrio–Baldassarri – Istituto Superiore di Sanità, Rome**  
**Contaminants in indoor air: some considerations on health effects  
and on perspectives for new materials**

# second day program

**FRIDAY 5<sup>th</sup> MAY 2006 – morning**

## **Session 2: Functionalisation of textile materials**

**9.00 Session presentation**

Chairman: Lodovico Jucker (Certitex)

Coordinators: Enzo Berardesca (Ist. Dermatologico San Gallicano, IRCCS – Rome);

Paolo Piana (textile entrepreneur)

**9.10 Patrice Vandendaele – Devan Chemicals, Ronse – Belgium**

**Antimicrobial Treatments: Which technologies are available to successfully upgrade your products from commodities to specialties**

**9.35 Pierfrancesco Morganti – Mavi Sud srl**

**Riccardo Muzzarelli – Institute of Biochemistry, University of Ancona**

**Multifunctional use of innovative chitin derivatives for skin care**

**10.00 Domenica Scarano – NIS – University of Turin**

**Connecting carbon fibres by means of catalytically grown nanofilaments: formation of carbon-carbon composites**

**10.25 Giuseppina Lopardo, Raffaella Mossotti – ISMAC section of Biella, NCR**

**Plasma polymerization of HMDSO on knitted wool fabrics to reduce pilling formation**

**10.50 Coffee break**

**11.10 Solitario Nesti – Tecnotessile, Prato**

**Anti-pollution textiles**

**11.35 Carlos Vaca-Garcia – Agro-Industrial Chemical Laboratory, Toulouse – France**

**Water repellent yarns and fabrics obtained by microwave-assisted fatty acylation of cotton**

**12.00 Sara Savoldelli – Institute of Agricultural Entomology, University of Milan**

**New finishing agents against clothes moths infestations on wool**

**12.25 Jean Luprano – CSEM Centre Suisse d'Electronique et de Microtechnique SA – Switzerland**

**Wearable electronics for smart fabrics and interactive textiles**

# second day program

**FRIDAY 5<sup>th</sup> MAY 2006** – afternoon

**Session open to the public**

**14.30–16.30 ROUND TABLE**

## **“Consumption ethics and production ethics”**

Fashion from a psycho-sociological point of view: Fashion Victims, expressing eros and identity research. The role of companies and of the communication society in terms of business and social responsibility.

**Coordinator:**

**Aurora Magni – Città Studi**

**Participants:**

**Carla Lunghi – Researcher, Centre for the Study of Fashion and Cultural Production, Cattolica University, Milan**

**Giampietro Parolin – Professor in corporate social reporting, Bicocca University, Milan**

**Silvio Paschi – General Secretary of Indicam**

**Marco Ricchetti – Managing director of Hermes Lab**

**Giovanni Siri – Professor in Psychology – Vita Salute University, San Raffaele (Milan)**

**Coffee break**

**17.00–18.30 ROUND TABLE**

## **“Consumers: which protection?”**

Social parties, consumers’ associations, distribution companies talk about the consumers’ rights as far as safe purchasing and industry-market relations guaranteeing transparency and information are concerned

**Coordinator:**

**Franco Piunti – Associazione Tessile e Salute**

**With the participation of:**

**MPs, institutional representatives of Italian textile districts, and representatives of trade-union organization, entrepreneurial organizations, retail trade organizations, consumers’ associations, Chambers of Commerce**

**Thursday 4<sup>th</sup> May 19.30**

**Chostro di San Sebastiano – via Q. Sella, 60 – Biella**

“Biella: culture and nature”

meeting with the protagonists of cultural life in Biella Intraprendere spa

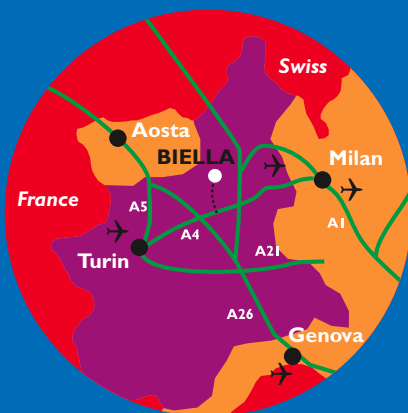
follows a welcome dinner

## **We thank for their support**

ACTE, ASL 12, ACIMIT, Agenzia Lane d'Italia, Italian AlSCO Linen Supply, Provincial Administration, ARA spa, ARPA Piemonte, ASL 12, Italian Textile and Dye Association (AICTC), Assofibre, Local Tourist Office, Biella Intraprendere, Bioindustry Park Canavese, Biverbanca, Chamber of Commerce of Biella, Città Studi spa, CNA, Municipality of Biella, Confartigianato, Consortium of the Municipalities of the Biella area, De Martini spa, Biellese District, Italian Textile and Fashion Industry Federation (SMI-ATI), Filatura di Grignasco, Filatura Marchi, Fondazione Cassa di Risparmio di Biella, Fondazione Cassa di Risparmio di Torino, Fondo Edo Tempia, Intertek Labtest, Klopman International srl, L'Oreal Italia, Lanificio Cerruti, Lanificio Tallia Galoppo Verzoletto spa, Department of Occupational Medicine of Turin, Province of Biella, R.E.S. spa, R.S.-Ricerche e Servizi srl, Piedmont Region, Sinterama, SITI, Stazione Sperimentale per la Seta, Tecnotessile, Employers' Association of Biella, National Consumers' Association, Regional Association of Piedmont Chambers of Commerce, Yanga srl.

## **We also thank for their collaboration**

Italian Hospital Surgeons Associations, Italian Out-patient Dermatologists Association (AIDA), Italian Hospital Dermatologists Association (ADOI), Italian Phlebology Association, National Chamber for Italian Fashion, Certitex, CGIL, CISL, UIL, CNR/ISMAL – section of Biella, National Council of Users and Consumers, COOP Italia, Federchimica, Industrial Technical Institutes “Q. Sella” of Biella and “Buzzi” of Prato, Dermatological Institute San Gallicano-IRCCS, Italian National Institute of Health, National Institute for Occupational Safety and Prevention (ISPESL), Joint Research Centre (Ispra), World Health Organisation, Politecnico of Turin – seat of Biella, Italian Society of Allergological Occupational and Environmental Dermatology (SIDAPA), Italian Society of Dermatology and Venereology (SIDEV), Italian Society of Occupational Medicine and Industrial Hygiene (SIMLI), National Society of Prevention Operators (SNOP), Tecnotessile, Tessile di Como.



### HOW TO REACH BIELLA

By plane: Milano Malpensa and Torino Caselle airports

By car: Milano-Torino Motorway; from Milano: exit Carisio; from Torino: exit Santhià

By train: Santhià-Biella line or Novara-Biella line; railway station: Biella S.Paolo



Associazione Tessile e Salute

**Organizing Secretariat**

Biella Intraprendere spa

Corso Pella, 2 - 13900 Biella ITALY

phone +39 015 404032 - fax +39 015 8495558

[convegno@tessileesalute.it](mailto:convegno@tessileesalute.it)

[convegno.health-textile@biellaintraprendere.it](mailto:convegno.health-textile@biellaintraprendere.it)