

# 2005



**44<sup>TH</sup> MAN-MADE FIBERS CONGRESS  
DORNBIERN, AUSTRIA  
21 - 23 SEPTEMBER 2005**

- >> **TEXTILES FOR AUTOMOTIVE  
AND TRANSPORTATION**
- >> **23<sup>RD</sup> INTERCARPET /  
TEXTILE FLOORCOVERINGS**
- >> **FLAMMABILITY ISSUES**
- >> **DEVELOPMENTS IN FIBERS**

**PROGRAMME**

## DEAR PARTICIPANTS



In the annals of textile history, the year 2005 will be remembered as a turning point. The liberalization of European textile import regulations and the ensuing shift of industrial fault lines has irrevocably made globalization a central topic of discussion. First estimates speak of several hundred thousand lost jobs in Europe in the first months of 2005, due to the liberalization of import regulations.

This cataclysm naturally constitutes an enormous challenge to the textile fiber industry of all western industrialized countries, right up to the existential question of survival. The first months of 2005 made us painfully aware of that fact. But developments are irreversible. European industry must face global competition - and that is true in particular for the European textile fiber industry.

The Chemical Fiber Congress, which has accompanied industry developments for more than forty years now, will meet the challenge of structural change with new focal points. Western industry - together with the new EU eastern countries - must again become aware of their strengths and jointly shape their successful future. With the American Fibers Manufacturers' Association (AFMA) attending for the first time, the Chemical Fiber Congress will also widen its base in the USA with this new partner. CIRFS, mentor and promoter since the early days of the Chemical Fiber Congress, will continue to play an eminent role in organizing this congress, which will present itself with a new image and appearance this year.

We all are called up to contribute to the Chemical Fiber Conference in Dornbrn becoming a European communication center of the industry, which will present new and groundbreaking focal issues. Increased specialization, presentation of technical fields of application, new products in the automotive sector and other new applications are excellent examples.

The basis of global success lies in creating uniqueness with innovation, creativity and maximum efficiency. This year's conference will make an important contribution to that end.

President  
Österreichisches Chemiefaser-Institut (ÖCHI)  
Austrian Man-Made Fibers Institute (MFI)

A handwritten signature in black ink, appearing to read 'Thomas Fahnemann'.

Thomas Fahnemann

## THE MAN-MADE FIBERS SPECIALISTS WILL MEET IN THE HEART OF EUROPE



Dornbirn nearby the famous "Lake Constance"

With a population of around 45,000, **Dornbirn** is the largest town in the Vorarlberg region - a pleasant and dynamic town located in a corner of Austria close to the borders of Liechtenstein, Switzerland and Germany.

Dornbirn offers so much to see – even for brief visits. The "inatura" – the most spectacular hands-on natural history museum in the Lake Constance area. A sun station, underwater cinema, earthquake simulator and much more all provide new impressive insights into the world of flora and fauna.

The Karren funicular railway comfortably carries you to a height of 976 metres in just four minutes – by day and by night. The view across the Rhine Valley through to Lake Constance from the Panorama restaurant is simply breathtaking.

The world's largest Rolls-Royce museum devotes three floors to engineering rarities and a fully functional reconstruction of Sir F. H. Royce's workshop.

The market square is just a few steps away from the congress. Here you will find cafés, restaurants and charming shopping facilities.

For further information, contact Dornbirn Tourism directly – your partner in Dornbirn. Our team has been working together with the International Man-Mad Fibres Congress for 11 years now and is always at hand to answer any questions you may have.

**Dornbirn Tourismus, Rathausplatz 1, A-6850 Dornbirn**  
Tel.: +43 (0)5572 22188, Fax: +43 (0)5572 31233  
E-mail: [tourismus@dornbirn.at](mailto:tourismus@dornbirn.at)  
Homepage: [www.dornbirn.info](http://www.dornbirn.info)



The center of Dornbirn



The Kultur- und Kongresshaus,  
location of the congress

## WEDNESDAY 21. SEPTEMBER 2005

**09:00** Opening, Welcoming Adresses and Awarding of the Paul Schlack Man-Made Fibers Prize

**12:00** Joint Lunch including drinks in the Foyer of the Kulturhaus (included in the Registration Fee)

**20:30** Reception for Participants and Accompanying Persons tendered by the Mayor of Dornbirn with Fashion Show by the Textile College Dornbirn at the Stadthalle Dornbirn, Jahngasse 6.



## THURSDAY 22. SEPTEMBER 2005

**12:00** Joint Lunch including drinks in the Foyer of the Kulturhaus (included in the Registration Fee)

**13:30 until 17:00** Sightseeing Tour for Participants and Accompanying Persons to Bregenz, the Capital of the Province of Vorarlberg. Coffee Break at the Gasthaus Kornmesser after a stroll through the modern and the medieval town. Shopping possibility at the Wolford shop located at the headquarter of the well-known company. Price per Person: EUR 29,10  
Booking and Payment:  
Congress Office Dornbirn



LOCATION

SOCIAL PROGRAMME/EVENTS

THE ACTUAL COMMITTEE OF THE  
MAN-MADE FIBERS CONGRESS, DORNBIRN

**Wilhelm Albrecht**, Wuppertal, (D)

**Bob Barker**, AFMA, (USA)

**Günther Gleixner**, Asota GmbH, (A)

**Haio Harms**, Lenzing AG, (A)

**Heinz Kmonicek**, Chairman  
Österreichisches Chemiefaser-Institut (ÖCHI),  
Austrian Man-Made Fibers Institute (MFI), (A)

**Hans-J. Koslowski**, Deutscher Fachverlag GmbH, (D)

**Heinz Meierkord**, ADVANSA BV, (NL)

**Oliver Oess**, Invista (Deutschland) GmbH, (D)

**Fabrice Pirotte**, CENTEXBEL, (B)

**Francesco Prezzavento**, Assofibre, (I)

**Volker Sieják**, Polyamide High Performance GmbH, (D)

**Josef Spijkers**, CIRFS, (B)

**Lutz Walter**, EURATEX, (B)

**Heiner Zimmermann**, Klagenfurt, (A)

MANY THANKS TO THE FOLLOWING SPONSORS  
FOR SUPPORTING THE CONGRESS

**AFMA**, (American Fiber Manufacturers Association)

**CIRFS**, (International Rayon and Synthetic Fibres Committee)

**ADVANSA BV, (NL)**

**INVISTA (Deutschland) GmbH**

**Austrian Ministry of Traffic, Innovation and Technology**

**Provincial Government of Vorarlberg**

**City of Dornbirn**

PLEASE VISIT THE FOLLOWING BOOTHS  
IN THE FOYER OF THE CONGRESS HALL

ADVANSA GmbH (D)

Aquafil Engineering GmbH

Fraunhofer Institut für Techno+Wirtschaftsmathematik (D)

Fritz Blanke GmbH Textilveredlung (D)

Gualchierani Textile Automation SpA (I)

Institut für Textil+Bekleidungstechnik der TU Dresden (D)

IST AG (CH)

Lenzing Fibers (A)

Lenzing Instruments (A)

Lindauer Dornier GmbH (D)

Mainsite GmbH (D)

Mozart AG (D)

Österreichisches Textilforschungs-Institut (A)

Sanitized AG (CH)

Sächsisches Textilforschungsinstitut e.V. (D)

Textilforschungsinstitut Thüringen-Vogtland e.V. (D)

Thüringisches Institut für Textil-und Kunststoff-Forschung e.V. (D)

Ticona GmbH (D)

World Gymnaestrada 2007 (A)

SPONSORS COMMITTEE EXHIBITORS



## IMPORTANT DETAILS FOR PARTICIPANTS

### Registration:

#### Österreichisches Chemiefaser-Institut (ÖCHI) Austrian Man-Made Fibers Institute (MFI)

Congress Office Dornbirn, Rathausplatz 1, A-6850 Dornbirn  
Tel.: +43 (0)5572-36850, Fax: +43 (0)5572-31233  
E-Mail: tourismus@dornbirn.at, www.dornbirn-fibcon.com

### Date of Congress:

#### Opening:

Wednesday, September 21<sup>st</sup> 2005 at 09:00 a.m.

#### Closing:

Friday, September 23<sup>rd</sup> 2005 at appr. 12:00 a.m.

### Location:

#### Kultur- und Kongresshaus Dornbirn

Rathausplatz 1, A-6850 Dornbirn, Vorarlberg/Austria

### Nearest Airports:

#### Altenrhein (CH), Zürich Kloten (CH)

### Registration Fee: incl. 20% VAT

	until Aug.14 <sup>th</sup> 2005	as of Aug.15 <sup>th</sup> 2005
Participants	€ 600,-	€ 650,-
Teachers at Universities and Technical Colleges	€ 300,-	€ 325,-
Students	€ 80,-	€ 110,-

From the 5<sup>th</sup> participant onwards per Company or Institute with the same Address 25% Reduction.

### Cancellation Fee:

until Sept. 04<sup>th</sup> 05: € 60,-

as of Sept. 05<sup>th</sup> 05: 25% of Registration Fee

after Sept. 19<sup>th</sup> 05: 100 % of Registration Fee

Registration Fee includes attendance at **all lectures, nonalcoholic beverages during all breaks, luncheon on Wednesday and Thursday, 21<sup>st</sup> and 22<sup>nd</sup> Sept., manuscripts on CD-ROM and participation in the gala buffet dinner** on invitation of the Mayor of Dornbirn at the Stadthalle Dornbirn on September 21<sup>st</sup>, 2005. Payment on receipt of bill, stating invoice number, name of participant, company and address (details in the Registration Form). Please make your **remittance** (free of charge for the beneficiary) to the Dornbirner Sparkasse, A-6850 Dornbirn, BIC DOSPAT2D, IBAN AT262060200000060582, or Creditcard (Visa, Mastercard).

Please use the enclosed Registration Form to register!

## IMPORTANT DETAILS FOR PARTICIPANTS

### Congress Material:

Upon registration and remittance of the fee, participants will receive their participation cards as of beginning of August 2005 (serves as confirmation of registration), and the final programme.

### Official Languages / Documentation:

Lectures will be presented in German or English with simultaneous interpretation in both directions. The respective manuscripts are available on CD-ROM for all those interested.

### Accommodation / Bus Transfer Service / Car Parking (see also Registration Form):

Upon request, Dornbirn Tourismus (Tel.: +43 (0)5572-22188) will help in securing accommodation. Room reservation will be confirmed in writing. Dornbirn Tourismus also informs about bus transfer for attendees staying outside Dornbirn. During the Congress, parking both in the garage of the Kulturhaus and in the surrounding parking lot is free of charge. Tickets are available at the Congress Office.

INFORMATION



INFORMATION

21. SEPTEMBER 2005

09:00 - 12:00

HALL **A**

HALL **B**

HALL **C**

PLENARY LECTURES

**Chairman: Thomas Fahnemann**

President Österreichisches Chemiefaser-Institut (ÖCHI)  
Austrian Man-Made Fibers Institute (MFI), (A)

**09:00 Opening by Thomas Fahnemann**

>> **Welcoming Addresses**

>> **Awarding of the Paul Schlack  
Man-Made Fibres Prize by  
Colin M. Purvis, CIRFS (B)**

**10:00 Omer Sabanci**

President CIRFS, Brussels (B)

>> **Meeting the Challenge of  
Global Competition**

**10:30 Necat Altin**

Korteks, Bursa (TR)

>> **The Development of the  
Man-made Fibres Industry in Turkey**

**11:00 Break**

**11:20 Werner Hufenbach**

Institut für Leichtbau und Kunststofftechnik,  
TU Dresden (D)

>> **Modern Lightweight Engineering –  
Prospects for the Textile Industry**

**12:00 Joining for Lunch**

**No Lectures**

**No Lectures**

**WEDNESDAY MORNING**

**WEDNESDAY MORNING**

**WEDNESDAY MORNING**

21. SEPTEMBER 2005  
13:30 - 17:50

HALL **A**

## TEXTILES FOR AUTOMOTIVE AND TRANSPORTATION

**Chairman: Hilmar Fuchs**

Sächsisches Textilforschungsinstitut (D)

**13:30 Holger Erth**  
B. Gulich, H. Fuchs, Sächs. Textilforschungsinstitut (STFI) e.V., Chemnitz (D)

>> **Mobile Textiles – Future Trends until 2010**

**14:00 Olaf Diestel**  
P. Offermann\*, Th. Gries, V. Hanisch\*\*, Institut für Textil- und Bekleidungstechnik der TU Dresden (ITB)\*, Institut f. Textiltechnik RWTH Aachen (ITA)\*\*(D)

>> **The Future of Textile Structures for Lowweight Vehicle Constructions**

**14:30 Petra Schneider**  
Th. Stegmaier, J. Mavelly, Institut für Textil- und Verfahrenstechnik (ITV), Denkendorf (D)

>> **Analysing Finishing of Textiles for Transportation with Focus on Antisoiling, Cleaning and Antigraffiti**

**15:00 Pros Van Hoeyland**  
Centexbel, Zwijnaarde (B)

>> **Flammability Criteria and Test Standards in the Field of Transportation**

**15:30 Break**

**Spacecraft / Aircraft**

**Chairman: Peter Offermann**

TU Dresden (D)

**15:50 David Raitt**  
European Space Agency (ESA), Noordwijk (NL)

>> **ESA's Technology Transfer Programme and Applications in Textiles**

**16:20 Axel S. Herrmann**  
Faserinstitut Bremen e.V., Bremen (D)

>> **Textiles for Aircraft Structure - State of the Art of Technology and Challenges**

**16:50 Roland von Ballmoos**  
Lantal Textiles, Langenthal (CH)

>> **Topmost Comfort for Passengers - Lantal's Novel Pneumatic Seat Cushion**

**17:20 "To be defined"**

**17:50 End day 1**

**20:30 Reception with Fashion Show at the Stadthalle Dornbirn**

WEDNESDAY AFTERNOON

21. SEPTEMBER 2005  
13:30 - 17:50

HALL **B**

## DEVELOPMENTS IN FIBERS

**Technical Application**

**Chairman: Franz Effenberger**

Institut für Textilchemie und Chemiefasern (D)

**13:30 Mie Kamiyama**  
M. Numata, Teijin Fibres Ltd., Matsuyama-City (J)

>> **New Nanoscale Polyester Fibre**

**14:00 Bernd Clauß**  
Institut für Textilchemie und Chemiefasern (ITCF), Denkendorf (D)

>> **State of the Art and New Developments in the Field of Ceramic Filaments**

**14:30 Harald Brüinig**  
T. Leopold, Leibniz-Institut für Polymerforschung Dresden e.V., Dresden (D)

>> **New GF/TP-hybrid Yarns for Complex Textile-reinforced Composite Components**

**15:00 H. De Breuck**  
Luxilon Industries NV, Wijnegem (NL)

>> **Innovation in Monofilaments for Technical Textiles**

**15:30 Break**

**15:50 Valja Everaert**  
S. de Decker, L. Ruys, CENTEXBEL, Zwijnaarde (B)

>> **Applicability of PP and PA6 Nanocomposite Yarns in the Textile Industry**

**16:20 Gregory P. Weeks**  
Invista (USA)

>> **Lycra® Body Care: Application of Microincapsulation in Textiles**

**16:50 Marcel Halbeisen**  
EMPA, Material Science Technology, St. Gallen, (CH)

>> **Microstructuring of Textile Fibres**

**17:20 Stephane Remy**  
Nylstar, Cesano Maderno (I)

>> **Antibacterial Polyamide Textile Yarn for Use in Hospital Environment**

**17:50 End day 1**

**20:30 Reception with Fashion Show at the Stadthalle Dornbirn**

WEDNESDAY AFTERNOON

21. SEPTEMBER 2005  
13:30 - 17:50

HALL **C**

## 23. INTERCARPET / TEXTILE FLOORCOVERINGS

**Chairman: Ernst Schröder**

Deutsches Teppichforschungsinstitut (D)

**13:30 Herbert Schmitmeier**  
Intermarket, Frankfurt/M. (D)

>> **The Market of Textile Floorcoverings**

**14:00 Werner Braun**  
Carpet & Rug Institute, Dalton (USA)

>> **Business Model to Promote Soft Floorcoverings**

**14:30 Dirk Simoens**  
Centexbel, Zwijnaarde (B)

>> **New CEN Standard for Carpets and its Implications on the National Standardisation**

**15:00 Jens-Christian Winkler**  
A. Wüstner, Deutsches Teppichforschungsinstitut e.V., Aachen (D)

>> **Use of Transponder Technology for Improving Information Management in the Carpet Industry**

**15:30 Break**

**15:50 Dirk Hanuschik**  
Deutsches Teppichforschungsinstitut e.V., Aachen (D)

>> **Needle and Loper Bar Made of Fibre Composites**

**Developments in Fibers and Floor Coverings**

**16:20 Markus Baumann**  
D. Toegel, Invista (Deutschland) GmbH, Östringen (D)

>> **Stabilized PA 66 Fibres for Use in Automotive Applications**

**16:50 G. Collins**  
B. Morley, P. Bartsch, H. Firgo, D. Ivanoff, F. Haussmann, J. Männer, Lenzing AG, Lenzing (A)

>> **Tencel® – The New Age Fiber for Carpets**

**17:20 Luca Bertamini**  
Aquafil SpA, Arco (I)

>> **A New Fibre for Floorcoverings and Textile Applications**

**17:50 End day 1**

**20:30 Reception with Fashion Show at the Stadthalle Dornbirn**

WEDNESDAY AFTERNOON

22. SEPTEMBER 2005  
09:00 - 12:20

HALL **A**

TEXTILES FOR AUTOMOTIVE AND TRANSPORTATION

**Automobile**  
**Chairman: Thomas Gries**  
Institut für Textiltechnik (D)

**09:00** **Serife Ünal**  
Ford Werke GmbH, Köln (D)  
>> **Does Design Improve Your Living?**

**09:30** **Anthony J. Ullmann**  
Autofil Worldwide Ltd., Annesley (GB)  
>> **The Future for Automotive Textiles in Europe**

**10:00** **Stefan Lutz**  
BMW Group, München (D)  
>> **Technical Requirements for Automotive Textiles**

**10:30** **Break**

**10:50** **Hermann J. Schmidt**  
Audi AG, Ingolstadt (D)  
>> **Textiles in Automobiles – Very Close to the Customer**

**Developments in Fibers and Fabrics**

**11:20** **Martin Brück**  
B. Haas, Ticona GmbH, Kelsterbach (D)  
>> **Engineering Polymers for Innovative Textiles in Aircraft and Automobile Construction**

**11:50** **Michael Stoll**  
A. Mädler, Forschungsinstitut f. Leder- u. Kunststoffbahnen GmbH, Freiberg (D)  
>> **High-quality Flexible Interior Materials – Is this only Leather?**

**12:20** **Joining for Lunch**

**THURSDAY MORNING**

22. SEPTEMBER 2005  
09:00 - 12:20

HALL **B**

DEVELOPMENTS IN FIBERS

**Chairman: Francesco Prezavento**  
Assofibre (I)

**09:00** **Alan Jones**  
Technical Absorbants Ltd., Grimsby (UK)  
>> **"OASIS" Polyacrylate Super Absorbent Fibre – A Solution Provider**

**09:30** **Felix A. Reifler**  
A. Ritter, EMPA, Material Science and Technology, St. Gallen (CH)  
>> **Development of Odor-reducing Fibers: Methods for the Assessment of their Effectiveness**

**10:00** **Shayda Rahbaran**  
M. Einzmann, S. Redlinger, Lenzing AG, Lenzing (A)  
>> **New Bioactive Cellulosic Fibers**

**10:30** **Break**

**10:50** **Franz Meister**  
D. Gersching, J. Melle, M. Mooz, Thüring. Institut für Textil- und Kunststoff-Forschung (TITK), Rudolstadt-Schwarza (D)  
>> **ALCERU® thermosorb – an Innovative, Active Thermoregulating Cellulosic Fibre**

**11:20** **Sybillе Stahlecker**  
M. Wheeler, Rieter Textile Machinery France S.A., Valence (F)  
>> **Processing of New Innovative Fibres**

**11:50** **Hans-Peter Mauch**  
W. Zimmermann GmbH & Co. KG, Weiler-Simmerberg (D)  
>> **New Technologies Towards Seamless Integration of Textiles and Electronics for Intelligent Textile Systems**

**12:20** **Joining for Lunch**

**THURSDAY MORNING**

22. SEPTEMBER 2005  
09:00 - 12:20

HALL **C**

23. INTERCARPET / TEXTILE FLOORCOVERINGS

**The Carpet Industry and its Challenges**  
**Chairman: Simon Van de Vrande**  
Secretary General ECRA (B)

**09:00** **Edmund Vankann**  
Gemeinschaft umweltfreundlicher Teppichboden (GuT) e.V., Aachen (D)  
>> **The Carpet Industry and its Challenges - Introduction**

**09:30** **Bob Peoples**  
Carpet America Recovery Effort / CARE, Dalton (USA)  
>> **CARE Promotion to Divert Post-consumer Carpet Waste from Landfills**

**10:00** **Hannes Vittek**  
Österreichisches Textilforschungs-Institut, Wien (A)  
>> **Slip Resistance of Textile Floor Coverings**

**10:30** **Break**

**Chairman: Günther Gleixner**  
ASOTA GmbH (A)

**10:50** **Peter Tappler**  
Arbeitskreis Innenraumluft am BM für Land- und Forstwirtschaft, Umwelt- und Wasserwirtschaft (Österr. Institut für Baubiologie und -ökologie), Wien (A)  
>> **Indoor Air Quality and Interior Decoration**

**11:20** **Aspi N. Patel\***  
E. Rivet\*\*, Invista, Kennesaw\*, Wilmington\*\* (USA)  
>> **Improved Model for Carpet Soil Performance Predictions**

**11:50** **Dominik Zimmermann**  
H. Studer, Sanitized AG, Burgdorf (CH)  
>> **Textile Floorcoverings – Possibilities and Limits of Hygiene Protection Treatment**

**12:20** **Joining for Lunch**

**THURSDAY MORNING**

22. SEPTEMBER 2005  
13:30 - 17:50

HALL **A**

## TEXTILES FOR AUTOMOTIVE AND TRANSPORTATION

### Developments in Fibers and Fabrics

**Chairman: Josef Spijkers**

CIRFS (B)

**13:30 Paolo Ghiazza**  
E. Pivotto, Sinterama SPA, Biella (I)  
>> **Polyester Yarn Performance in Seat Covers**

**14:00 Allen Vejvad**  
Trevira Neckelmann A/S, Silkeborg (DK)  
>> **New Functionalities in Yarn for Automotive Textiles**

**14:30 Uwe Möhring**  
A. Neudeck, S. Gimpel, Textilforschungsinstitut Thüringen-Vogtland e.V., Greiz (D)  
>> **Textile Innovation in the Autocar by Conductivity, Sensory and Lucent Structures**

**15:00 Berit Erlbacher**  
Klaus Hertwig, Eybl Austria GmbH, Krems (A)  
>> **Time to Market, Virtual Design and Product Development for the Automotive Interior**

**15:30 Break**

**15:50 Franz Zöchmeister**  
Durmont Teppichbodenfabrik GmbH, Hartberg (A)  
>> **Carpets for Motorcars – a Means to an end – or more?**

**16:20 Frank Reidl**  
H. Sieber, Clariant (Schweiz), Basel (CH)  
>> **Spun-dyeing vs. Textile Dyeing: Opposites or Complements?**

**16:50 Jörg Vois**  
ADVANSA GmbH, Hamm-Uentrop (D)  
>> **Dacron® Multichannel Fibers for Automotive Fabrics-Advantages in the Dyeing Process**

**17:20 Werner Moser**  
Mattes & Ammann KG, Meßstetten-Tieringen (D)  
>> **Polypropylene Knitwear in Automobiles**

**17:50 End day 2**

22. SEPTEMBER 2005  
13:30 - 17:50

HALL **B**

## FLAMMABILITY ISSUES WITH FOCUS ON TEXTILE INTERIOR DECORATION

**Chairman: Heiner Zimmermann**

Consultant (A)

**13:30 Bernhard Schartel**  
Bundesamt für Materialforschung und -prüfung BAM, Berlin (D)  
>> **Fire Retardancy of Textiles: Fundamentals, Mechanisms, Requirements**

**14:00 Robert H. Barker**  
American Fiber Manufacturers Association, Arlington (USA)  
>> **U.S. Regulations for Flammability of Residential Furniture and Bedding**

**14:30 Joe McFayden**  
Wellman Inc., Charlotte (USA)  
>> **Flame Retardant Furniture Filling and Top-of-the Bed Filling Applications**

**15:00 Kirstin Uhl**  
Trevira GmbH, Hattersheim (D)  
>> **The New European Curtain Standard - Practical Experiences**

**15:30 Break**

**Chairman: Robert H. Barker**  
AFMA (USA)

**15:50 Carole Magniez\***  
C. Drevelle\*\*, A. Castrovinci\*\*\*, S. Duquesne\*\*\*\*, A. Dubois\*, M. Vouters\*, C. Camino\*\*\*, Institute Français du Textile et de l'Habillement IFTH (F)\*, ENCL (F)\*\*, CDCMP (I)\*\*\*, CREPIM (F)\*\*\*\*  
>> **Nerefite-EU Project: Development of New Fire Retardant Textiles**

**16:20 Neslihan Bal**  
M.-L. Klotz, Hochschule Niederrhein, Mönchengladbach (D)  
>> **Market Development of Flame Retardant Fabrics in Interior Textiles in Europe**

**16:50 Hansruedi Schmid**  
EMPA, Material Science and Technology, St. Gallen (CH)  
>> **New Approaches for Developing Flame Resistant Textiles**

**17:20 Frank Gähr**  
Institut für Textilchemie und Chemiefasern (ITCF), Dennkendorf (D)  
>> **Possibilities and Potentials of Halogen-free Flameprotective Treatment for Synthetic Fibres**

**17:50 End day 2**

22. SEPTEMBER 2005  
13:30 - 17:50

HALL **C**

## 23. INTERCARPET / TEXTILE FLOORCOVERINGS

### Developments in Fibers and Floor Coverings

**Chairman: Ehrenfried Hennige**

(D)

**13:30 Rainer Gößl**  
Schönherr Textilmaschinenbau, Chemnitz (D)  
>> **New Trends and Possibilities of Face-to-Face Carpet Weaving**

**14:00 Udo Janetzki**  
Vorwerk-Teppichwerke GmbH & Co KG, Hameln (D)  
>> **Renaissance of Floorcovering - a New, Old Product "en vogue" Again**

**14:30 Peter Farber**  
S. Hohmann, Dura Flooring Systems GmbH, Fulda (D)  
>> **Healthier Air Through Textile Floorcoverings**

**15:00 Michael Haitchi**  
Lenzing Plastics, Lenzing (A)  
>> **Improvements of Artificial Turf**

**15:30 Break**

**15:50 Hans Kolitzus**  
Institut für Sportbodentechnik, Eschenz (CH)  
>> **Environmental Compatibility and Test Methods of Artificial Turf**

## FIBERS FOR NONWOVENS

**16:20 Josef Schmidtbauer**  
B. Schachtner, S. Jary, M. Einzmann, Lenzing AG, Lenzing (A)  
>> **Tailor-made Absorbent Cellulosic Fibers for Nonwovens**

**16:50 Andy Slater**  
Lenzing Fibers Ltd., Lenzing (A)  
>> **Tencel® - the Key to High Performance Nonwovens Products**

**17:20 Michael Witschas**  
ADVANSA GmbH, Hamm (D)  
>> **Polyester Staple Fibre with Durable Benefits for Nonwovens**

**17:50 End day 2**

THURSDAY AFTERNOON

THURSDAY AFTERNOON

THURSDAY AFTERNOON

23. SEPTEMBER 2005  
09:00 - 11:50

HALL **A**

## TEXTILES FOR AUTOMOTIVE AND TRANSPORTATION

**Chairman: Holger Erth**

Sächsisches Textilforschungsinstitut (D)

**09:00 Peter Kunath**  
Dilo Maschinenfabrik KG, Eberbach (D)  
>> **Di-LOUR-Advance – An Interesting Option for the Production of Patterned Needle-punched Nonwovens for Car Interiors**

**09:30 Hannes Pum**  
Fehrer AG, Linz (A)  
>> **Latest Developments for Nonwoven Automotive Interior**

### Textiles for Safety

**10:00 Ahmet Yalcinkaya**  
Polyamide High Performance GmbH, Wuppertal (D)  
>> **High Tenacity or High Elongation Yarns for Airbag Applications?**

**10:30 Break**

**10:50 Lou van Noorden**  
Diolen Industrial Fibers BV, Arnhem (NL)  
>> **PET-Yarns for Safety Belts and New Developments**

**11:20 Takeo Kashima**  
Toyobo Co., Ltd., Osaka (J)  
>> **Latest Developments in Airbag Fabrics in the Japanese Market**

**11:50 Closing**

FRIDAY MORNING

23. SEPTEMBER 2005  
09:00 - 11:50

HALL **B**

## FLAMMABILITY ISSUES WITH FOCUS ON TEXTILE INTERIOR DECORATION

**Chairman: Haio Harms**

Lenzing AG (A)

**09:00 Elke Lambert-Steffes**  
ADVANSA GmbH, Hamm (D)  
>> **Flame Retardant Polyester – Advantages and Benefits for the Consumer**

**09:30 Regine Zumloh**  
C. Hahn, Teijin Twaron GmbH, Wuppertal (D)  
>> **The Performance of Twaron P-aramid Fibres in Flame Retardant Nonwovens**

**10:00 Herman H. Forsten**  
W. Knoff, E.I. DuPont USA, Richmond (USA)  
>> **Development of Fire Barrier Structures Based On Inherently Flame Resistant Fibres**

**10:30 Break**

**10:50 Patrice Vandendaele**  
Devan Chemicals NV, Ronse (B)  
>> **Environmentally Safe Flame Retardant Technology for Textile Applications**

**11:20 Alexander Gstettner**  
Lenzing AG, Lenzing (A)  
>> **Flame Resistant and Functional Seating Fabrics for Public Transport**

**11:50 Closing**

FRIDAY MORNING

23. SEPTEMBER 2005  
09:00 - 11:50

HALL **C**

## FIBERS FOR NONWOVENS

**Chairman: Heinz Meierkord**

ADVANSA (NL)

**09:00 Martin Dauner**  
M. Hoss, M. Planck, Institut für Textil- und Verfahrenstechnik (ITV), Denkendorf (D)  
>> **Micro- and Nanofibre Nonwovens**

**09:30 Nils Schedukat**  
T. Gries, Institut für Textiltechnik der RWTH Aachen, Aachen (D)  
>> **Investigations of Guidelines for Processing of New Type Super Microfilament Yarns**

**10:00 Hans-Peter Fink**  
J. Ganster, O. Geiger, Fraunhofer Institut für angewandte Polymer-Forschung, Potsdam-Golm (D)  
>> **Novel Thermoplastic Composites with Man-made Cellulosic Fibers**

**10:30 Break**

**10:50 Vaman G. Kulkarni**  
R. Threadgill, K. Walker, C. Foust, J. Kunowsky, C. Chreighton, Americem Inc. Concord, (USA)  
>> **Recent Advances in Color and Functional Masterbatches for Synthetic Fibers**

**11:20 Jim Taylor**  
J. Schlangen, J. Liggins, Lenzing AG, Lenzing (A)  
>> **Recent Advances in Tencel® Textile Engineering**

**11:50 Closing**

FRIDAY MORNING

44<sup>TH</sup> MAN-MADE FIBERS CONGRESS  
21 - 23 SEPTEMBER 2005

DORNBIRN



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