

13–15 September 2023
Dornbirn, Austria



**EARLY BIRD TICKET
AVAILABLE NOW**

Pre-Programme

Expert lectures on:

- Fiber Innovation & Biomaterials
 - Sustainability & Circular Economy
 - Nonwovens & Technical Textiles
 - Apparel & Sports
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- ✓ 3rd Innovation Days
 - ✓ Exhibition Area
 - ✓ Gala evening with buffet and fashion show
 - ✓ Excellent catering

Dornbirn GFC 2023

offer & service for our guests:

- ✓ 100 expert lectures during three days in three halls
- ✓ Networking with 600 visitors from 30 nations
- ✓ 25 Exhibition booths
- ✓ 3rd Innovation Days:
20 innovative companies from the fiber- and textile industry present their innovations

- ✓ Services
 - Delicate catering, drinks and fruits during all breaks, luncheon on Wednesday and Thursday
 - Mayor's evening on Wednesday with gala buffet and fashion show
 - Shuttle bus from Zurich airport to Dornbirn and back on Tuesday and Friday at a special price 2023

PRE-PROGRAMME

Circular Economy & Recycling

tbc

tbc / Lenzing AG, Lenzing (AUT)

**Bylon™ – a truly circular, thermoplastic fiber
for use in apparel and beyond**

Oliver Shafaat / Sci-Lume Labs, Inc., Edmond (USA)

Degradable LYCRA® Spandex Fiber for Improved Hygiene Garments

Nicholas Kurland / The LYCRA Company, Waynesboro (USA)

How to make it happen, Design for Circularity!

Sonja Zak¹, Åsa Degerman²

Lenzing AG¹, Lenzing (AUT), Södra Innovation², Skogsudden (SWE)

**Verifying Physical Deterioration of Recycled PP
through Spinning Behavior Measurement**

Takeshi Kikutani et al / Tokyo Institute of Technology, Yokohama (JPN)

Design of Disassembly with Resortecs, recycling made easy

Acerina Trejo Machin / Resortecs, Anderlecht (BEL)

The presentation will focus on circularity in Workwear

Thomas Sieber / Renaissance Textil/Klopman/TDV, Ratingen (GER)

**Modelling post-consumer textile feedstock in regenerated
cellulose fiber production**

Fiona Ford / The University of Manchester, Manchester (GBR)

**Thermomechanical recycling of polypropylene textiles on closed
loop for technical applications**

Axelle Champion et al / IFTH, Ecully (Frau)

**NaOH pretreatment of mixed-fiber textiles –
a design of experiment study**

Katharina Steiner¹ et al, A. Bartl², D. Ribitsch³

Kompetenzzentrum Holz GmbH¹, Linz, TU Vienna²,
Tulln BOKO Wien³, Tulln (AUT)

Agricultural waste as value source for fibre chemicals

Alessandro Pellegrini / Bozzetto Group, Filago (ITA)

**Post-consumer cotton waste as an alternative raw material
for the Lyocell spinning process**

Henk Gooijer et al / SaXcell BV, Enschede (NDL)

Added functionality & performance by the use of TENCEL™ Luxe

Markus Pichler / Lenzing AG, Lenzing (AUT)

Activating Textile Circularity - Cracking the Egg

Tricia Carey / Renewcell, Stockholm (SWE)

**High demand for circular fibers driving
the Infinna™ capacity scale-up**

Petri Alava / Infinited Fiber Company, Espoo (FIN)

Tree to textile

tbc / tbc

PRE-PROGRAMME

Circular Economy & Recycling

Latest technologies and developments in textile recycling

Elina Personen¹, Franz Frühauf²

Andritz Oy¹, Kotka (FIN), Andritz AG², Graz (AUT)

New Erema PET Fiber to Fiber Recycling Technology and Facilities on the way to Textiles Recycling

Wolfgang Hermann / Erema, Ansfelden (AUT)

Real PET recycling instead of using bottle flakes

Axel Hannemann

Gneuss Kunststofftechnik GmbH, Bad Oeynhausen (GER)

Ending fibrous polyester waste VacuFil Visco+ inline fiber-to-fiber recycling of PET waste

Matthias Schmitz et al / BB Engineering GmbH, Remscheid (GER)

Sustainable polypropylene fibers: Upcycling of post-consumer food packaging to high quality yarns

Stephanie Lukoschek / TU Dresden, Dresden (GER)

tbc

Ingo Mählmann / Oerlikon, Remscheid (GER)

FR 2.0 – the new generation of flame-retardant polyester staple fibers

Eberhard Brack / Märkische Faser GmbH, Premnitz (GER)

Biosource polymers and their use applications for textile

Tony De la Hoz¹, H. Kaleem² / Hills, Inc., West Melbourne (USA)

Product Manager of VORTEX “sustainability”

Akitsugu Mori / Murata Machinery Ltd., Osaka (JPN)

On the marine biodisintegration of nonwoven materials:

Effects of additives

Dimitri Deheyn / Scripps Institut of Oceanography, San Diego (USA)

tbc

Anna Batemann / Microfibreconsortium, Bristol (GBR)

tbc

Hugo Vuurens / PHA Biopolymers

Crimping of Isalnds-in-the-Sea micro fibres

Lukas Herrmann et al / ProVentecs GmbH, Bremen (GER)

tbc

tbc / Oerlikon, Remscheid (GER)

Novel melt-spun liquid-core filaments for drug-release and similar applications

Edith Perret et al / Empa, St. Gallen (GER)

Anti-bac 2.0 – the new generation of anti-bacterial masterbatches

Ralf Schellen / Kunststoffveredlung GmbH, Premnitz (GER)

tbc

tbc / Perlon

tbc

tbc / Oerlikon, Remscheid (GER)

PRE-PROGRAMME

Fiber Innovation

Scaling Recycled Fibers from Textile Waste

Jean Hegedus / The LYCRA Company, Robbinsville (USA)

The Elastane quantification tool

Emanuel Boschmeier et al / TU Vienna, Vienna (AUT)

Effect of Textile Spin Finishes on Thermoplastic PolyUrethane Elastomers

Llith Bhargava Surgani Venu

Lubrozol Advanced Materials inc., Breckville (USA)

Green Chemical Strategy and Upcycling Technology for The Separation and Upcycling of Acrylic Fibers

Ali Demirci / Aksa Akrikil Kimyasa Sanayii, Yalova (TUR)

GRM Meets Filaments: Conductive Polyester Yarns for Smart Textiles

Tim Biemelt et al / Indorama Ventures/Trevira GmbH, Guben (GER)

Plasma surface treatment and modification for Carbon, Flac, and Glass fibers

Inés Serrano et al / Leitat, Terrassa (ESP)

Development of Electrically Conductive Polyester Yarn by Surface Modification for Smart and Technical Textiles

Miray Özbakiş et al

KORTEKS MENSUCAT SANAYİ VE TİCARET A.Ş, Bursa (TUR)

Conductive PEDOT fibers:

Novel fibers for use as sensors, actuators and smart textiles

Mathis Bruns et al / ITM TU Dresden, Dresden (GER)

Production of PBS Multifilament Yarns on the Industrial Scale

Kerim Klinc¹, E. Karaca²

Polyteks Tekstil A.Ş.¹, Bursa Ulugağ University², Bursa (TUR)

Building a Closed-Loop:

Molecular Recycling of Automotive Fiber Waste

Mark Treece et al / Eastman, Kingsport (USA)

Bio source PET and PA66 High Tenacity yarns for automotive applications – challenges, opportunities and results

Thomas Buss / Indorama Ventures Mobility, Wuppertal (GER)

Eco-friendly new adhesive for rubber reinforcing fibers

Yoshinori Hayakawa / Toray Industries, Inc, Aichi (JPN)

Development of UV-stabilised, Flame Retardant, Recycled PET Yarns for Outdoor Applications

Özge Serra Cetin et a

Turkuaz Tekstil San Tic. A. S., Merkezefendi/Denizli (TUR)

tbc

Takahiko Kawasaki / Unitika (JPN)

Clearing the stage for a new generation of FR textiles – Creating solutions to today's challenges

Nick Carter / Indorama Ventures Ltd., Hattersheim (GER)

PRE-PROGRAMME

Fiber Innovation

Omyafiber® solutions in polyester and PLA fibre applications

Barbara Bonaviglia et al / Omya International AG, Oftringen (SUI)

Formation of Stereocomplex-PLA on technical scale

Boris Marx et al / Faserinstitut Bremen e.V, Bremen (GER)

Polyethylene Furanoate:

Scalable biobased polyester for textile industry

Pavan Kumar Manvi

Avantium Renewable Polymers B.V., Amsterdam (NEL)

Does the Spinning Scale affect the degradability of home-compostable polymers?

Simon Schick¹ et al, Robert Groten²

AMIBM¹, Gellen, (NLD) HSNR², Moenchengladbach (GER)

SENSIL® Nylon – Downstream Sustainable Solutions

Sagee Aran / Sagee Aran

Sustainable solutions for Industrial High Tenacity Polyester

Laura Alcober / Brilen Tech, S.A., Zaragoza (SPA)

Rilsan® PA11: Advanced, Biobased and Circular solution for high performance textiles

Stefânia Cassiano Gaspar / Arkema, Colombes (FRA)

Sustainability drives RadiciGrup's new developments

Loris Maestri / Radici Yarn SpA, Villa d'Ogna (ITA)

Towards circular textiles - Physical respinning of Twaron para-aramid

Bas Pierik et al / Teijin Aramid BV, Arnhem (NLD)

PRE-PROGRAMME

Nonwovens & Technical Textiles

**Performance Fibres meet Sustainable Design –
example of a reusable Baby Diaper**

Natalie Wunder¹ et al, Luisa Kahlfeldt² et al

Kelheim Fibres GmbH¹, Kelheim, Sumo GmbH², Berling (GER)

Lenzing Web Technology

Katharina Gregorich / Lenzing AG, Lenzing (AUT)

Spinning simulations in industrial context

Walter Arne et al / Fraunhofer ITWM, Kaiserslautern (GER)

Innovation in Technical Nonwovens – Evolving USP

Marc Jolly / Norafin, Mildenau (GER)

Disruptive Technologies for Nonwoven Treatments

Ross Ward / NIRI - Nonwovens Innovation, Leeds (GBR)

**A more sustainable option for the production of nonwoven
like structures?**

Maik-Elisa Ostheller / AMIBM, Aachen (GER)

**Towards high performing plant based AHP products –
a joined approach of Pelz and Kelheim Fibres**

Ingo Bernt¹, Henning Röttger²

Kelheim Fibers GmbH¹, Kelheim, Pelz Holding GmbH, Wahlstedt² (GER)

**MC4 - Multi-Level Circular Process Chain for Carbon
and Glass Fibre Composites**

Robin Oddon et al / Techtera, Ecully (FRA)

**VliesSMC – Processing recycled carbon fiber nonwovens
in sheet molding compound**

Marcel Hofmann et al / STFI e.V., Chemnitz (GER)

**Development of sustainable Hybrid Roving (Enka TechTape)
for green composites**

Daniel Hehn / Indorama Ventures Mobility, PhP Fibers (GER)

**Recent developments of all-cellulose composites from cellulose
fibers – concepts, properties and applications**

Mikael Skrifvars / University of Borås, Borås (SWE)

**CORA” – New cost efficient material for scalable carbon dioxide
removal from air**

Marc P. Vocht¹ et al, U.Zuberbühler², T. Fröhlich³

DITF¹, Denkendorf, ZSW², Stuttgart, Ifeu Heidelberg³, Heidelberg (GER)

PRE-PROGRAMME

Apparel & Sports

Leveraging the the Future of the Worldwide Textile & Fashion Industry

Albin Kaelin / epeaswitzerland gmbh, Bäch (SUI)

Green Denim Fabric (100% sustainable denim fabric production from textile waste by using sustainable ozon technology)

tbc / Kipaş Textiles, Kahramanmaraş (TUR)

Nanocellulose screen-printing for an improved moisture management of flame-resistant fabric

Vanja Kokol¹ et al, Lucija Kobal²

University of Maribor¹, Maribor, Tekstina d.o.o.², Ajdovščina (SLO)

tbc

tbc / Lenzing AG, Lenzing (AUT)

New test method of determine the exotoxicological impact of fiber abrasion during laundering

Juliane Alberts et al / Hohenstein Laboratories, Bönningheim (GER)

Warm feet in extreme conditions:

defining a thermal comfort rating scale for mountaineering boots

Eleonora Bianca / Politecnico di Torino, Torino (ITA)

Fabrics for multispectral signature reduction

Juan Marcos et al

Textil Santanderina¹, Cabezón de la Sal, AITEX², Alcoy (SPN)

Leather, synthetic leathers and vegan trendy alternatives – a comparison of their technical performance

Michael Meyer / Filk Freiberg Institute gGmbH, Freiberg (GER)

Melt Spinning of Polybutylene Succinate and Artificial Leather Prototypes Thereof

Stefan Schindler / DITF, Denkendorf (GER)

Innovative coated textile materials for electromagnetic shielding applications

Augusta Silva / CITEVE, Vila Nova de Famalicão (POE)

Novel Additives Developed to Improve the Environmental Footprint of Fabric Laundering

Matt Bridges et al / Goulston, Monore (USA)

Innovations in Core-Yarn Technology

Sören Jonas et al / Zwickauer Kammgarn GmbH, Wilkau-Haßlau (GER)

Transformation of Textile & Fashion Industry by Circular Design

Process Daniel Aeschbacher / epeaswitzerland gmbh, Solothurn (SUI)

From Seed to Yarn – Setting up a European Processing Chain for Textile Hemp

Alexander Bachmann / Topp Textil GmbH, Durach (GER)

The effect of knitting patterns on clothing physiological properties of hemp garments

Dominic Berndt et al / TU Chemnitz, Chemnitz (GER)

Hemp meets fashion and function

Ellen Bendt / HS Niederrhein, Mönchengladbach (GER)

IMPORTANT DETAILS FOR PARTICIPATION

REGISTRATION

Please simply register online: www.dornbirn-gfc.com
Convention Partner Vorarlberg, Bodensee-Vorarlberg
Tourismus GmbH, **E-Mail: service@convention.cc**

DATE OF CONGRESS

Opening: Wednesday, 13 September 2023 at 09:00 a.m.
Closing: Friday, 15 September 2023 at 13:00 p.m.

LOCATION

Kulturhaus Dornbirn, Rathausplatz 1, 6850 Dornbirn, Austria

REGISTRATION FEE

Early Bild – Bookable until 31 May 2023	€ 970,- net
Participation fee	€ 1.060,- net
Second (and subsequent) delegates from same company	€ 840,- net
Professors/Teachers	€ 840,- net
Students	€ 330,- net

All participation fees are excl. 20% VAT.

TERMS OF PAYMENT

On receipt of bill via bank transfer or per credit card (Visa, Mastercard). Payment on receipt of bill, stating invoice number, name of participant, company and address.

CANCELLATION

Until 31 July 31 2023: 50%; from 1 August 2023: no refund.
Delegates may be substituted at any time.

ARRIVAL INFORMATION: NEAREST AIRPORTS

Zürich (CH), Friedrichshafen (GER), Altenrhein (CH), Munich (GER)

AIRPORT SHUTTLE:

Tuesday, 13 September 2023: from Zurich Airport to Dornbirn (ca. 1 hour travel time).

Friday, 15 September 2023: from Dornbirn to Zurich Airport.

Cost per trip: (Special offer 2023): € 30,-

Departure times depend on your flight dates!

ARRIVAL BY TRAIN:

Long-distance and regional trains stop at Dornbirn station.

LIABILITY

The organizer cannot be held responsible for any cost incurred should the Dornbirn-GFC be cancelled for any reason. Maximum prior notice will be given to delegates. The organizer does not accept any liability for any loss or damage to the personal belongings of delegates attending the congress. In case of any injury, loss or damage incurred by a participant our liability shall not exceed the amount of the participation fee.