

# Speakers Line-up



## 61st DORNBIERN GLOBAL FIBER CONGRESS DORNBIERN-GFC

14 – 16 September 2022  
Kulturhaus Dornbirn, Austria

- Location:** Kulturhaus Dornbirn, Dornbirn, Austria
- Time:** Wednesday and Thursday 9:00am - 06:00pm  
Friday 09:00am - 01:00pm
- Tickets:** Participation fee € 960,- net  
Second and subsequent delegates from same company € 760,- net  
Professors/Teachers € 760,- net  
Students € 300,- net  
All participation fees are excl. 20% VAT.
- Hotel:** Booking possible on our homepage!
- Nearest Airport:** Zürich (CH), Friedrichshafen (GER), Munich (GER)
- Homepage:** [www.dornbirn-gfc.com](http://www.dornbirn-gfc.com)

WEDNESDAY, 14. September 2022

Hall  
A0000

# OPENING & KEYNOTES

09:00



Introduction and Opening

**Friedrich Weninger**

Managing Director Dornbirn GFC/Austrian Fibers Institute (AUT)

09:20

**Frederic van Houte**

MD CIRFS European Man Made Fibres Association (BEL)

*„Awarding Paul Schlack/Wilhelm Albrecht Prize“*

09:40

*Sustainability Challenges***Thomas Riegler**

PwC PricewaterhouseCoopers (AUT)

10:00



servicenow

*How Software Technology is contributing towards more sustainable workflows***Robert Rosellen**

Servicenow (GER)

10:40

*Silks in the 21st Century***Fritz Vollrath**

University of Oxford, Oxford (GBR)

11:00

*A Culture of Sustainable Innovation***Robert van de Kerkhof**

Chief Commercial Officer, Lenzing Group (AUT)

11:20

*Accelerating transition to circularity in textile industry***Uday Gill**

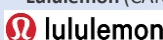
Group Chief Strategy Officer, Indorama Ventures (THA)

11:40

*Changing the bottle industry for good***Gittan Schiöld**

Chief Executive Officer

## 12:00 CEO Panel:

**Georgia Parker**Director Innovation Platform  
Fashion for Good (NED)**Gittan Schiöld****Yogi Dandapure**Vice President Raw Materials  
Lululemon (CAN)**Uday Gill****Robert van  
de Kerkhof****Moderation:****Mark Jarvis**Managing Director  
WTiN (GBR)

# Fiber Innovation



## *Next Generation of Thermoplastic Polyurethane (TPU) Elastomeric*

**Lalith Bhargava Suragani Venu et al**  
Lubrizol Advanced Materials Inc., Ohio (USA)



## *LYCRA® Anti x Slip Fibre for High-Performance Wovens*

**Nicholas Kurland**  
The LYCRA Company, Wilmington (USA)



## *Shape memory filament yarns*

**Robert Tonndorf et al**  
ITM/TU Dresden, Dresden (GER)



## *TENCEL™ Luxe - The vegan alternative to silk*

**Markus Pichler**  
Lenzing AG, Lenzing (ATU)



## *Innovations in the Field of Oxide Ceramic Fibers*

**Bernd Clauß et al**  
DITF Denkendorf, Denkendorf (GER)



## *It's All About Carbon: Innovations in Fiber Coloration*

**Meredith Boyd**  
Unifi Manufacturing, Inc., Greensboro (USA)



## *Bio-Based Carbon Fibers: Increasing Carbon Yield and Mechanical Performance*

**Christoph Unterweger<sup>1</sup> et al, J.Duchoslav<sup>2</sup> et al**  
Wook K plus - Kompetenzzentrum Holz GmbH<sup>1</sup>, Johannes Kepler University Linz<sup>2</sup>, Linz (AUT)



## *Modeling and Simulation of Crystallization in Spinning Processes*

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



## *BISFA - Pioneer in Standardization*

**Dieter Eichinger**  
CIRFS, Brussels (BEL)



## *Circulose - recirculated cotton textile pulp for various types of fibres*

**Kristina Elg Christoffersson et al**  
Renewcell, Stockholm (SWE)



## *Unlocking the potential of waste: The case for making regenerated fibers mainstream*

**Petri Alava**  
Infinited Fiber Company, Espoo (FIN)



## *HeiQ AeonIQ – cellulose based functional continuous filament yarn designed for climate, circularity, and scalability*

**Enrique Herrero Acero**, HeiQ Materials AG, Schlieren (SUI)



## *BREATHAIR® - the innovative and sustainable 3D cushioning material*

**Michael Neidhöfer**  
PHP Fibers GmbH



## *Title tbc*

**Eberhard Brack**  
Märkische Faser GmbH, Premnitz (GER)



## *Development of a Sustainable Menstruation Pants using Speciality Viscose Fibres*

**Natalie Wunder et al**  
Kelheim Fibres GmbH, Kelheim (GER)



***Development of thermoresponsive fibers for smart textiles and investigation of their properties***

**Jiayan Gu et al**, Albstadt-Sigmaringen University, Albstadt (GER)



***Fibre solutions for more sustainable fibre-based products***

**Andreas Weinberger et al**  
IFG Asota, Linz (AUT)



***Are PBS, PBAT, and TPS ready for industrial-scale melt-spinning?***

**Simon Schick<sup>1</sup> et al, R. Grotten<sup>2</sup>**  
University of Maastricht -AMIBM<sup>1</sup>, Geleen (NED), Hochschule Niederrhein<sup>2</sup>, Mönchengladbach (GER)



***Lyocell 2.0 - New Opportunities through Kneader based Dissolving Technology***

**Manuel Steiner<sup>1</sup>, Ch. Stanev<sup>2</sup>, F. Meister<sup>3</sup>**  
List Technology AG<sup>1</sup>, Arisdorf (SUI), Evrnu, SPC<sup>2</sup>, Seattle (USA), TITK<sup>3</sup>, Rudolstadt (GER)



***The modified EvoQuench or enabling the microfiber production in the POY PA6-process***

**Stephan Faulstich**, Oerlikon Barmag, Remscheid (GER)



***Production Of Boron Nanoclay Involved Boron Enrichment Process Waste Additive Sustainable Polyester Fibers***

**Sedat Kumartaşlı**, Polyteks Tekstil A.Ş, Bursa (TUR)



***Collaborative and innovative solutions for a sustainable society***

**Maria Persson**  
Teijin Aramid, Arnhem (NED)



***Sustainable circular economy system for artificial turf with improved CO2 footprint***

**Dirk Hanuschik<sup>1</sup> et al, U. Berghaus<sup>2</sup>**  
RWTH Aachen<sup>1</sup>, THINK TANK TECHNOLOGIES<sup>2</sup>, Aachen (GER)



***Trend Management meets Open Innovation: Best practice examples from Kelheim***

**Ilka Kaczmarek et al**  
Kelheim Fibres GmbH, Kelheim (GER)



***New permanently antimicrobial modified Lyocell fibres***

**Uwe Landua<sup>1</sup>, F. Meiser et al<sup>2</sup>**  
Largentec Vertriebs GmbH<sup>1</sup>, Berlin, Thüringisches Institut für Textil- und Kunststoff-Forschung<sup>2</sup>, Rudolstadt (GER)



***High-performance chitosan filament yarns from ionic liquids***

**Irina Kuznik et al**  
ITM, Dresden (GER)



***Development of protective fibres & textiles with improved impact resistance properties***

**Paulo Teixeira et al**  
CeNTI, V. N. de Famalicão (POR)



***Melt-spun manmade fiber with scalable nano-, submicro- and microstructured surfaces***

**Leopold Alexander Frankenbach et al**, ITM, Dresden (GER)



***Direct wet-spun-laid nonwoven deposition with highly porous aerogel fibers***

**Daniel Wolters<sup>1</sup> et al, M. Schirp-Schoenen<sup>2</sup>**  
RWTH Aachen<sup>1</sup>, Lehrstuhl und Institut für Strukturmechanik und Leichtbau<sup>2</sup>, Aachen (GER)



***Luminescent optical fibers produced by bicomponent or liquid-core meltspinning***

**Rudolf Hufenus**  
Empa, St. Gallen (SUI)



***Triboelectric fiber for energy autonomous smart-textile***

**Gaffar Hossain**  
V-Trion GmbH Textile Research, Hohenems (AUT)

# Circular Economy & Sustainability

*Title tbc*

**Selvam Puthuramudu Velmurugan**  
KG DENIM LTD, COIMBATORE (IND)



*Development of biodegradable filament yarn from PHA polymer*

Cansu Uldudoğan<sup>1</sup> et al, Aybige Akdag<sup>2</sup>  
Korteks<sup>1</sup>, Uludağ University<sup>2</sup>, Bursa (TUR)



*Title tbc*

**Maud Hardy**  
Re\_fashion, Paris (FRA)



*The Keys to Recycling: Sorting & Pre-processing*

**Karla Magruder**  
Accelerating Circularity, Campbell Hall, NY (USA)

*Title tbc*

**Dimitri Deheyn**  
Marine Biology Research Division, Scripps Institution of Oceanography, University of California (USA)



*Title tbc*

**Nin Castle**  
Reverse Resources, Tallinn (EST)



*The SCIRT project: developing a circular value chain in Europe*

**Tom Duhoux**  
VITO, Mol (BEL) S



*Lenzing and Södra joining forces in improving post-consumer textile recycling*

**Anna Palme<sup>1</sup>, Richard Herchl<sup>2</sup>**  
Södra Innovation<sup>1</sup>, Skogsudden (SWE) Lenzing AG<sup>2</sup>, Lenzing (AUT)



*Innovative coloration for sustainable fibers*

**Christof Kujat**  
Sun Chemical Colors & Effects GmbH, Ludwigshafen (GER)



*Biodiversity & wood-based cellulose fibers – Lenzing's approach*

**K. Christian Schuster et al**  
Lenzing AG, Lenzing (AUT)



*A development of method for elastane yarn wastes to be separated from elastane and returned to recycling industry*

**Aydin Oruc**, Kipaş Textiles, Kahramanmaraş (TUR)



*Stretch Garments to Recycled Articles*

**Ravi Vedula et al**  
Lubrizol Advanced Materials., Ohio (USA)



*Melt spinning of CO2-based thermoplastic polyurethanes*

**Jan Thiel et al**  
RWTH Aachen, Aachen (GER)



*Modification of all-cellulose composites for protection against environmental impacts*

**Tanja Schneck<sup>1</sup> et al**, M.R. Buchmeiser<sup>2</sup>DITF Denkendorf<sup>1</sup>, Institute of Polymer Chemistry (IPOC), University Stuttgart<sup>2</sup>, Denkendorf, (GER)



*Scaling Recycled Fibers from Textile Waste*

**Jean Hegedus**  
The LYCRA Company, Robbinsville (USA)



### ***Innovations in Sewing Threads&Engineered Yarns for Sust. Fashion&Circular Economy***

**Ronan Cox**

Coats, Uxbridge (UK)



### ***Industrial waste recycling in fibre processing – the key to to higher efficiency***

**Axel Hannemann**

Gneuss Kunststofftechnik GmbH, Bad Oeynhausen (GER)



### ***Materials recycling of textile waste***

**Christoph Burgstaller**

TCKT - Transfercenter für Kunststofftechnik GmbH, Wels (AUT)



### ***Sustainable filament solutions for fast moving consumer goods***

**Christian Fleschhut et al**

Perlon - Pedex GmbH, Wald-Michelbach (GER)



### ***Erema Group's way to circularity in fibrous materials***

**Wolfgang Hermann**

EREMA Plastic Recycling Systems (AUT)



### ***Recycling of Cellulases in a circular economy approach for textile waste***

**Sophia Mihalyi et al**

University of Natural Resources and Life Sciences Sciences Vienna, Tulln an der Donau (AUT)



### ***Research through Practice - Challenges in the Spinning Process with Recycled Fibres***

**Michael Will<sup>1</sup>, B. Egloff<sup>2</sup>**

Rieter AG<sup>1</sup>, Winterthur, Hochschule Luzern<sup>2</sup>, Luzern (SUI)



### ***Recycled PET for Automotive: from feed sources to applications***

**Thomas Buss**

Indorama Mobility Group/PHP Fibers GbmH, Wuppertal (GER)



### ***Alkaline and enzymatic hydrolysis of cotton / polyester textile waste***

**Pablo Kählig et al**

TU Wien, Wien (AUT)



### ***REACT a tool for impurities problems in outdoor sector recycling***

**Daniele Piga<sup>1</sup> et al, R. Vannucci<sup>2</sup> et al**

Centrocot<sup>1</sup>, Busto Arsizio, Ferrari<sup>2</sup>, Sovio (ITA)



### ***HEREWEAR: Empowering local, circular & bio-based textiles***

**Lien Van der Schueren et al<sup>1</sup>, A. Ota<sup>2</sup>,**

Centexbel<sup>1</sup>, Zwijnaarde (BEL), DITF<sup>2</sup>, Denkendorf (GER)



### ***Nylon dissolution and recovery from fiber blends for recycling***

**Avinash P. Manian et al**

Research Institute of Textile Chemistry/Physics, University of Innsbruck, Innsbruck (AUT)



### ***Evaluation of different end-of-life scenarios for textile polyester waste streams***

**Amrei Becker<sup>1</sup> et al, M. Gausmann<sup>2</sup>**

Institut für Textiltechnik<sup>1</sup>, Aachener Verfahrenstechnik der RWTH<sup>2</sup>, Aachen (GER)

# Nonwovens



## *Biobased sustainable hygiene products*

**Patrick Engel**

Saxon Textile Research Institute e.V., Chemnitz (GER)



## *Innovative graphene-modified nonwoven materials for wastewater treatment*

**Igor Kogut et al**

Hohenstein Institut für Textilinnovation gGmbH,Boennigheim (GER)



## *Introducing long-chain branching for diameter control of melt-blown PP fibers*

**Takeshi Kikutani<sup>1</sup> et al, K. Liba<sup>2</sup>**

Tokyo Institute of Technology<sup>1</sup>, Yokohama, Kanagawa, Mitsui Chemicals<sup>2</sup>, Chiba (JPN)



## *New method to analyze clouding in nonwoven production a. High resolution system to detect 5µm holes fully automated*

**Andreas Blin et al**, Robomat GmbH, Freilassing (GER)



## *LENZING™ Web Technology – potentials for wipe applications*

**Katharina Gregorich**

Lenzing AG, Lenzing (AUT)



## *MERALUX: a unique fibre to improve nonwovens performances and sustainability*

**Jerico Biagiotti**

Beaulieu Fibres International Terni S.r.l., Terni (ITA)



## *SABIC Novel Material Solutions for Growing and Changing Hygiene Industry Market*

**Estelle Poulet**

Sabic, Bergen (NEL)

# Apparel & Sports



## *The challenge of "New Luxury" for the Textile and Clothing Industry*

**Susanne Müller**

Hochschule Niederrhein, Mönchengladbach (GER)



## *Success factors for last mile fashion e-Commerce deliveries*

**Natalie van Bentum<sup>1</sup> et al**, U. Clausen<sup>2</sup>

Hochschule Niederrhein<sup>1</sup>, TU Dortmund a. Fraunhofer Int. <sup>2</sup>, Dortmund (GER)



## *Long-term quality of recycled polyester sports clothing*

**Lars Claußen<sup>1</sup> et al, Ruiz D. <sup>2</sup>**

Loughborough University<sup>1</sup>, Loughborough (UK), adidas AG<sup>2</sup>, Herzogenaurach (GER)



## *A new perspective: the future of 100 % recycled cotton, the circular economy and recycling machinery from a young woman`s eyes*

**Annabelle Hutter et al**, Säntis Textiles Pte Ltd, Paya Lebar (SIN)



## *High speed body scanning as a new chance for dynamic optimisation of sports wear*

**Yordan Kyosev et al**

TU Dresden, Dresden (GER)



## *Evaluation of ergonomic comfort of trekking backpacks*

**Ada Ferri et al**

Politecnico di Torino, Torino (ITA)



## *Calorimetric methods in textile development*

**Boris Bauer**

DITF Denkendorf, Denkendorf (GER)



## *Chasing Cool: Creating Next-Generation Cooling Textile Technology*

**Courtney Cruzan**

brrr°, Atlanta (USA)

# Smart & Functional Surface



## *Environmental measures with new technology of spin finish oil for PET fiber*

**Yoshihiro Takayama et al**

Takemoto, Gamagori-city, Japan (JPN)



## *iTex-4-MoRe – Intelligent Textiles for physiotherapy in mobile rehabilitation*

**Pulkit Mishra et al**

Textilforschungsinstitut Thüringen-Vogtland e.V., Greiz (GER)



## *Develop. of Mattress Pad that Applies Electrical Stimulation Preventing Pressure Ulcers Formation*

**Berin Hacıoğlu<sup>1</sup> et al**, H. Alısoy<sup>2</sup>, Zorluteks Tekstil A.S.<sup>1</sup>, Kirklareli, Tekirdag Namik Kemal Univ.<sup>2</sup>, Corlu (TUR)



## *Development of intelligent fibers to generate textiles with thermoresponsive and optical indicator properties*

**Svenja Kloss et al**, Albstadt-Sigmaringen University, Sigmaringen (GER)



## *Electrically conductive monofilaments: improved processability using a two-phase system*

**Birgit Stubbe<sup>1</sup> et al**, Chr. Hübner<sup>2</sup> et al, CENTEXBEL<sup>1</sup>, Zwijnaarde, (BEL), Fraunhofer ICT<sup>2</sup>, Pfinztal (GER)



## *Fibers for automotive interior lighting applications*

**Paulo Cardoso<sup>1</sup> et al**, C. Oliveira<sup>2</sup> et al, J. Coehlo<sup>3</sup>

CeNTI<sup>1</sup>, Vila Nova de Famalicão, CITEVE<sup>2</sup>, Vila Nova De Famalicao, Simboldes<sup>3</sup>, Oliveira de Azeméis (POR)



## *Silverized Cotton*

**Esther Rohleder<sup>1</sup> et al**, T. Tüfek<sup>2</sup>

Hochschule Niederrhein<sup>1</sup>, Mönchengladb., Statex Produktions- und Vertriebs GmbH<sup>2</sup>, Bremen (GER)



## *Multi-functional cellulose text. with increased radiation protection a. skin care effect*

**Kristina Klinkhammer<sup>1</sup> et al**, M. Krieg<sup>2</sup>, B. Mahltig<sup>3</sup>

Hochs. Niederrhein<sup>1</sup>, Mönchengladbach, TITK<sup>2</sup>, Rudolstadt, Niederrhein Uni. of Applied Sciences<sup>3</sup> (GER)



## *Surface Activation and Functionalization of Membranes by Plasma Treatments*

**Núria Portolés Gil et al**

Leitat, Terrassa, Barcelona (ESP)



## *Spinning ionic electroactive polymer monofilaments for use in actuator structures*

**Mathis Bruns et al**

TU Dresden ITM, Dresden (GER)



## *Flexible and reliable conducting structures on textiles: A new approach*

**Annika Gambke et al**

Textile Research Institute Thuringia-Vogtland e.V., Greiz (GER)



## *Development of a smart textile to improve thermal comfort*

**Javier Vera Sorroche<sup>1</sup> et al**, J.Lejeune<sup>2</sup> et al

CETI (European Center for Innov. textiles)<sup>1</sup>, Tourcoing, Univ. Lille, ENSAIT, GEMTEX<sup>2</sup>, Lille (FRA)