

09:00	Opening of conference <small>Others</small> Matthias W. Gluth (Austrian Fibers Insitute),	09:00
09:05	tbc	09:05
09:10	Awarding Paul Schlack Price <small>Others</small> Frédéric van Houte (CIRFS: European Man-made Fibres Association),	09:10
09:35	tbc	09:35
10:00	folgt <small>Others</small> Giuseppe Gherzi (Gherzi Textil Organisation AG),	10:00
10:25	- Pause -	10:25
11:00	The energy transition – a burden to industry or a chance for energy innovations? <small>Others</small> Rudolf Zauner (VERBUND AG),	11:00
11:25	EU Policy for Sustainable and Circular Textiles <small>Others</small> Cornelia Mohor (European Commission),	11:25
11:50	folgt <small>Others</small>	11:50

13:30	<p>A Meta-Analysis of the Global Warming Potential (GWP) on Poly(lactic Acid)</p> <p><small>Sustainability Framework</small></p> <p>Claudia Som (Empa),</p>	<p>Next steps to improve the use of waste cotton for lyocell process to reduce the environmental impact of textile industry</p> <p><small>Sustainability Framework</small></p>	<p>Paper Industrie</p> <p><small>Fiber Innovations</small></p>	13:30
13:55	<p>ScPLA fibers for reinforcement of circular monomaterial composites</p> <p><small>High Performance</small></p> <p>Evgueni Tarkhanov (Fraunhofer Institute for Applied Polymer Research IAP),</p>	<p>Challenges in TX Recycling from Fiber Producers Point of View</p> <p><small>Sustainability Framework</small></p> <p>Christian Sperger (Lenzing AG),</p>	<p>Paper Industrie</p> <p><small>Others</small></p>	13:55
14:20	<p>Enhancing Mechanical Strength and High Temperature Optical Transparency of Poly(lactic Acid) (PLA) through Biobased Self-Reinforced Composites</p> <p><small>Biopolymers, Biomaterials</small></p>	<p>From Farm to Fiber: Developing Elastane with 70% Renewable Content</p> <p><small>Biopolymers, Biomaterials</small></p>	<p>Paper Industrie</p> <p><small>Others</small></p>	14:20
14:45	<p>Self-Reinforcement of Tough Polylactide Monofilaments towards materials with programmed degradability</p> <p><small>Biopolymers, Biomaterials</small></p> <p>Larisa Tsarkova (Deutsches Textilforschungszentrum Nord-West (DTNW)),</p>	<p>Polymer recycling solutions for textile waste containing elastane</p> <p><small>Sorting and Separation</small></p> <p>Emanuel Boschmeier (TU Wien),</p>	<p>Paper Industrie</p> <p><small>Others</small></p>	14:45
15:10	<p>Blending of partial-aromatic and aliphatic polyamides for technical fibre applications</p> <p><small>High Performance</small></p> <p>Lars Bostan (Faserinstitut Bremen e.V.),</p>	<p>The faith of elastane during chemical recycling</p> <p><small>Raw materials, e.g. Pulp, Polyester RM ...</small></p> <p>Anna Edsberger (RISE Research Institutes of Sweden),</p>	<p>Paper Industrie</p> <p><small>Others</small></p>	15:10
15:35	- Pause -			15:35
15:55	<p>Rubber reinforcing PVA fiber with RFL-free new adhesive technology</p> <p><small>Surface Modification</small></p> <p>Ryohei Watanabe (Kuraray),</p>	<p>Pre and post-consumer LYCRA® fiber recycling</p> <p><small>Sustainability Framework</small></p> <p>Alberto Ceria (The LYCRA Company),</p>	<p>Biomimetic robot-assisted manufacturing approach for sustainable construction applications</p> <p><small>Technologies</small></p> <p>YueZheng Wen (ITM TU Dresden),</p>	15:55
16:20	<p>Production of Polyester Multifilament Yarn with Thermochromic Properties</p> <p><small>Others</small></p> <p>EDA ÇORAPÇI (Polyteks Tekstil San. Ara?. ve E?t. A.?.),</p>	<p>Breaking Boundaries: Introducing the World's First Biodegradable Acrylic Fiber for Sustainable Textile Solutions</p> <p><small>Others</small></p> <p>Selen Gökçe (AKSA Akrilik Kimya San. A.?.),</p>	<p>Continuous preparation of carbon fibers from cellulose-lignin precursor filaments</p> <p><small>High Performance</small></p> <p>Christoph Unterweger (Wood K plus - Kompetenzzentrum Holz GmbH),</p>	16:20
16:45	<p>Inherent Cooling Nano Additive for Viscose Multi Filament Yarn to get perceived skin cooling of -5 to -10°C</p> <p><small>High Performance</small></p> <p>Mukesh Kumar (Resyx Sagl),</p>	<p>Phasing Out DMF for Eco-Friendly Leather: A Novel Water-Based Polyurethane Coagulation Process</p> <p><small>New Process Technologies</small></p> <p>Stefano Fumagalli (Iamberti spa),</p>	<p>Circular process chains for carbon fiber composites – topics, trends and perspectives</p> <p><small>Technologies</small></p>	16:45
17:10	<p>Dynamic Support in Sportswear: Unveiling the Science and Potential of RHEON Fiber Technology</p> <p><small>High Performance</small></p> <p>Sarah Karmel (RHEON Labs),</p>	<p>ReSTex: Josef Ressel Center for Recycling Strategies of Textiles</p> <p><small>New Process Technologies</small></p> <p>Christian Schimper (University of Applied Sciences, Wiener Neustadt),</p>	<p>Development of a Sustainable and High Performance Multi-layer Acoustic Nonwoven Fabric for Improving The Noise Insulation in Electric and Combustion Vehicles.</p> <p><small>Nonwovens</small></p>	17:10
17:35	<p>Development of a low resilient three-dimensional network structured fiber material</p> <p><small>Nonwovens</small></p> <p>KEISUKE TANIGUCHI (TOYOBO MC Corporation/ Functional Fibers and Nonwovens R&D Section),</p>	<p>Blend of dimethyl sulfoxide and 2-methyltetrahydrofuran as solvent for selective elastane dissolution from fabrics</p> <p><small>Circular Solutions/Recycling</small></p> <p>Lukas Vonbrül (Universität Innsbruck),</p>	<p>Conductive yarn materials featuring versatile, application-specific functional layers to enhance knitting processability.</p> <p><small>High Performance</small></p> <p>Samuel Bollmann (Textilforschungsinstitut Thüringen Vogtland e.V.),</p>	17:35

09:00 **New European Legislative Developments and Their Significant Impact on Textile Material Selection**
Ecosystem solutions
Antoine Demarche (Policy Hub - Circularity for Apparel & Footwear),

09:25 **Cellulose Fibres in LCA - the status quo in the context of the recent wave of regulatory developments**

09:50 **Stitching the Future | Coats Innovations in Circular Fashion**
Ecosystem solutions
Raja SK (Coats Group Plc),

10:15 **Impact of synthetic fibers on the strength and durability of gypsum board**
High Performance
Rae Severance (Indorama Ventures),

10:40 - Pause -

11:00 **On the biodisintegration of textiles along sequential steps of functionalization**
Others
Dimitri Deheyn (University of California San Diego, Scripps Institution of Oceanography),

11:25 **The Hidden Risks: ESPR Regulation and Its Impact on Biodegradable and Renewable Materials**
Sustainability Framework
Danjela Cafuta (Lenzing Aktiengesellschaft),

11:50 **The influence of the manufacturing factors inside PET multifilaments on the microplastic fibres generation.**
Antoine Cosne (ENSAIT - DECATHLON),

Cyborgised Cotton yarn, PALPA™.
High Performance
Daria Miura (Unitika Trading Co., Ltd.),

Obtaining high-quality long hemp fibres for flax spinning: a chemical approach
Natural Fibers
Vânia Pais (Fibrenamics),

Sorption properties of different textile materials and their impact on transport conditions.
Ecosystem solutions
Marcel Beiß (Hochschule Niederrhein),

Spinning recycled fibres -exploring the limits
Technologies
Silke Huertos López (Saurer Spinning Solutions),

- Pause -

Analysis of polycotton for recyclability
Sorting and Separation
Esther Rohleder (Hochschule Niederrhein),

Incorporating Hydrophobic Characteristics to Ultraviolet Resistant Polyethylene Terephthalate (PET) Yarns through Melt Spinning Method and Investigating Changes in Mechanical Properties
Sustainability Framework
Özge Serra Çetin (Turkuaz Tekstil San. ve Tic. A.?.),

Tackling the Issues of PFAS Replacement in the Fibre Industry
Others
Ross Ward (NIRI),

RUBIO - process development for PBS applications **09:00**
Biopolymers, Biomaterials
Ralf Taubner (STFI e.V.),

Lenzings toolbox for hygiene applications **09:25**
Nonwovens
Axel Ruffler (Lenzing AG),

AGXX: The innovative, regulatory-compliant antimicrobial technology for textile functionalization **09:50**
Surface Modification
Oliver Asmus (Heraeus Precious Metals GmbH & Co. KG),

Use of controlled vis-breaking additives in nonwoven production and recycling **10:15**
Nonwovens

10:40 - Pause -

"Hydro - solutions" a way to shape our future. **11:00**
New Process Technologies
Tim Natzschka (Norafin Industries (Germany) GmbH),

Challenges in hydro management of man-made fibres **11:25**
Surface Modification
Gerhard Brändle (Zschimmer & Schwarz),

Hollow fibers filled with microorganisms as basis for filter modules for wastewater treatment **11:50**
New Process Technologies
Lena Kölsch (Faserinstitut Bremen e.V.),

13:30	New fiber composite structures for reinforcement – design, manufacturing and properties <small>High Performance</small> Davide Bolgiaghi (Indorama Ventures Mobility Cremona),	Automated Sorting of Post-Consumer Textiles: An Update <small>Fiber Innovations</small> Thilo Becker (TOMRA),	Adaptive tracking and tracing assistance system for order management in highly flexible, made-to-measure textile production of technical textiles <small>Tracing technologies</small> Dirk Zschenderlein (Sächsisches Textilforschungsinstitut e.V. (STFI)),	13:30
13:55	Sustainability through energy saving by innovative filaments <small>Fiber Innovations</small>	A game-changer in textile circularity: Automated textile waste sorting and recycling in one process <small>New Process Technologies</small> Benoit Rombaut (ANDRITZ Laroche SAS),	Using AI and next generation Textile-ERP solutions to combat price volatility and overproduction in the textile supply chain Bjol Frenkenberger (MIR Insight AS),	13:55
14:20	XLANCE® EOL yarn: a sustainable stretch solution. <small>Sustainability Framework</small> Lorenza Gardella (XLANCE s.r.l.),	Challenges for the automated sorting of post-consumer textiles using standard NIR spectroscopy <small>Sorting and Separation</small> Hana Stipanovic (Montanuniversitaet Leoben),	Empowering LCA studies in textiles through traceability <small>Others</small> Loris Maestri (Radici Yarn Spa),	14:20
14:45	Degradation by Design: An Attempt to design the degradability of Biopolymers with the Spinning Process. <small>Biopolymers, Biomaterials</small> Simon Schick (IFG ASOTA),	Innovation in seperation / sorting - Trimclean <small>New Process Technologies</small> jean-francois gryspeert (VALVAN),	Empowering LCA studies in textiles through traceability <small>Others</small> Loris Maestri (Radici Yarn Spa),	14:45
15:10	Developing Functional Sportswear Using Safe and Sustainable-by-Design (SSbD) Principles <small>Sustainability Framework</small>	Piloting and scaling up for sustainable and circular textile fiber processing – challenges, solutions and opportunities <small>New Process Technologies</small> Heli Kangas (Valmet),	tbc	15:10
15:35	- Pause -			15:35
15:55	Films for Future - Novel regenerated cellulose films and coatings <small>Applications (e. g. Apparel, Home, Automotive...)</small> Vesa Kunnari (VTT Technical Research Centre of Finland Ltd),	Efficiency of various bleaching chemicals in textile waste decolorization <small>Raw materials, e.g. Pulp, Polyester RM ...</small> Sari Asikainen (Kemira Oyj),	The future energy system - A comprehensive look at the future supply of electricity and material energy sources <small>Emerging Tech</small> Dirk Uwe Sauer (RWTH Aachen University),	15:55
16:20	From plant-based and protein-based resources to fibers and filaments development for sustainable textile applications. <small>New Process Technologies</small> Priscilla ARNOULD (CETI),	Simplify Fiber Recycling: Efficient and economic in one quick extrusion step <small>New Process Technologies</small> Axel Hannemann (Gneuss Kunststofftechnik GmbH),	tbc <small>Others</small>	16:20
16:45	Lenzing AG Young Scientist Award <small>Others</small>	Increasing the yield in melt spinning of recycled fibers polymer <small>High Performance</small>	tbc <small>Others</small>	16:45
17:10	Lenzing AG Young Scientist Award <small>Others</small>	Processing Technology for Textile Recycling <small>Technologies</small> Judith Günther (LIST Technology AG),	Consolidation in the Fiber Industry - Quo Vadis <small>Others</small> Gregor Nischer (MP Corporate Finance), Helmut Mödlhammer (MP Corporate Finance),	17:10
17:35	Lenzing AG Young Scientist Award <small>Fiber Innovations</small>	PET Fibres Recycling F2F on the way towards Textiles Recycling <small>Raw materials, e.g. Pulp, Polyester RM ...</small> Wolfgang Hermann (Erema Group GmbH),	Consolidation in the Fiber Industry - Quo Vadis <small>Others</small> Gregor Nischer (MP Corporate Finance), Helmut Mödlhammer (MP Corporate Finance),	17:35

<p>09:00 Structural Design of textiles: Influence of Yarn and patterning on drying of knitted fabrics. <small>New Process Technologies</small> Leon Pauly (DITF Denckendorf),</p>	<p>UV-Curing: A energy efficient next-generation technology for textile industrie <small>Energy Efficiency</small> Ralf Lungwitz (Sächsisches Textilforschungsinstitut e.V.),</p>	<p>Nature as a solution provider for energy problems? Fluid transport in textiles as an example of bionics. <small>Energy Efficiency</small> Leonie Beek (Institut für Textiltechnik der RWTH Aachen University),</p>
<p>09:25 NextSpin – Variation of fibre cross-sections of cellulose filaments by laser-drilled nozzles <small>Biopolymers, Biomaterials</small> Marc Philip Vocht (DTIF Denckendorf),</p>	<p>Hydrogen-heated stenter frame for carbon-neutral textile production in the future <small>Energy Generation</small> Maik Rabe (Hochschule Niederrhein),</p>	<p>SmartShade: Sustainable Cooling by Shape Memory Textiles <small>High Performance</small> Felix Krooß (Institut für Textiltechnik of RWTH Aachen University),</p>
<p>09:50 Cost-effective lignin-based carbon fibers for new fields of application <small>High Performance</small> Erik Frank (DITF Denckendorf),</p>	<p>Innovative Doped Cellulose Fibers as Precursors for Supercapacitor Carbon Electrode Materials <small>Energy Storage</small> Simon JESTIN (CANOE - Le Centre Technologique Nouvelle Aquitaine Composites & Matériaux Avancés),</p>	<p>Energy Consumption in the Production of Filament Yarn - Possible Approaches to Greater Sustainability <small>Energy Solutions</small> Lukasz Debicki (Institut für Textiltechnik der RWTH Aachen University),</p>
<p>10:15 Meltblown nonwovens of polyhydroxybutyrate: limitations, challenges and potentials in the process and in application <small>Nonwovens</small> Tim Höhnemann (German Institutes for Textile- & Fiber Research (DITF)),</p>	<p>Infusion for Simultaneous Structure Development and Dyeing of PET Fibers through Cold-Drawing in Ethanol <small>New Process Technologies</small> Takeshi Kikutani (Tokyo Institute of Technology),</p>	<p>FOREST – a framework to track and trace energy and emissions at product level <small>Energy Solutions</small> Chen Song (ABB AG),</p>
<p>10:33 - Pause - 10:33</p>		
<p>11:00 Release of active ingredients from porous fibers <small>Biopolymers, Biomaterials</small> Andreas Scherrieble (DITF Deutsche Institute für Textil- und Faserforschung Denckendorf),</p>	<p>Advancements in Modeling and Simulation for Fiber Melt Spinning <small>High Performance</small> Manuel Etmüller (Fraunhofer Institute for Industrial Mathematics ITWM),</p>	<p>Hydrogen Mobility: Innovations in Storage and Transportation for Emission-Free Automobility <small>Energy Storage</small> Dominik Granich (Institut für Textiltechnik der RWTH Aachen University),</p>
<p>11:25 Solar heat absorbing and reflecting fibers and textiles <small>Energy Efficiency</small> Boris Bauer (Deutsche Institute für Textil- und Faserforschung Denckendorf),</p>	<p>Meltspinning of Polyester Polyols Based Thermoplastic Polyurethanes (TPU) <small>New Process Technologies</small> Kerim K?l?nç (Polyteks Tekstil Sanayi Ara?t?rma ve E?itim A.?.),</p>	<p>AI-based real time energy optimization <small>Energy Efficiency</small> Ricardo Vega Ayora (ITA Academy GmbH),</p>
<p>11:50 Antibacterial fibers and coatings with AGXX particles for textile applications <small>Surface Modification</small> Carsten Linti (DITF Denckendorf),</p>	<p>Development of self-regulating textiles to protect fruit, vegetable and berry plantations from increased solar radiation. <small>High Performance</small> Enrico Putzke (Institut für Materialwissenschaften der Hochschule Hof (ifm)),</p>	<p>Aerogel nonwoven – A new highperformance insulator for energy-efficient refurbishments <small>Energy Solutions</small> Egon Förster (Fiber Engineering GmbH),</p>

13:30 **Metallic Coated Inorganic Fibers: Possibilities and Adherence Mechanisms Explored**

13:30

High Performance
Max Schmidt (FibreCoat GmbH),

13:55 **SA-Dynamics - Sustainable Solid Air Solutions**

13:55

High Performance
Sascha Schriever (SA-Dynamics),

14:45	Engineering designer proteins for biodegradable fibers with intrinsic and tunable performance properties <small>Biopolymers, Biomaterials</small> Nicholas Kruyer (Werewool),	14:45
15:10	Essentials and Challenges in Developing Melt-Spun Marine-Degradable Textile Fibers <small>Biopolymers, Biomaterials</small> Mohammadreza Naeimirad (Senbis),	15:10
15:35	- Pause -	15:35
15:55	Polyhydroxyalkanoates: A prospective path in the textile industry <small>Biopolymers, Biomaterials</small> Figen Selli (Mango Materials),	15:55
16:20	Silica Nanorods as Additives for Enhanced Fiber Performance <small>Biopolymers, Biomaterials</small> Nicole Jankovic (Applied Quantum Materials Inc.),	16:20
16:45	Fibres from agricultural residu to make 100% Sustainable textiles <small>Natural Fibers</small> Vir Jayesh (Green Whisper),	16:45
17:10	CONTRIBUTION OF TEXTILES TO THE CREATION OF ECONOMIC AND ENVIRONMENTAL ASPECTS OF HEALTHCARE PRODUCTS FOR WOMENS MENSTRUAL UNDERWEAR <small>Natural Fibers</small>	17:10
17:35	TexBot, a scalable automated sorting station <small>New Process Technologies</small>	17:35

09:00	<p>Improving thermal insulation for sewn-through nonwoven assemblies with innovative 'Spacer Stitching' technology</p> <p><small>New Process Technologies</small> Hassan Saeed (Institute of Textile Machinery and High Performance Material Technology, TU Dresden),</p>	09:00
09:25	<p>CELYS™ Compostable Polyester, A Game-Changing Innovation for Future of Polyester</p> <p><small>Raw materials, e.g. Pulp, Polyester RM...</small> Helen Weng (INTIMITI AUSTRALIA PTY LTD),</p>	09:25
09:50	<p>CELLiCON G2 Technology for polycotton recycling and green cellulose fiber production</p> <p><small>Technologies</small> Jorrit de Jong (CELLiCON),</p>	09:50
10:15	<p>Flaura: bio-based apple pomace leather alternative made in a single step extrusion process</p> <p><small>Applications (e. g. Apparel, Home, Automotive,...)</small></p>	10:15
10:40	- Pause -	10:40
11:00	<p>StraightUp</p> <p><small>Others</small></p>	11:00
11:25	<p>Chemical recycling of post-consumer textile waste</p> <p><small>Sustainability Framework</small></p>	11:25
11:50	<p>Ponda's Paludiculture Fibres: Wetland-based MMCFs</p> <p><small>Natural Fibers</small> Finlay Duncan (ponda),</p>	11:50

13:30	Sustainable Chemical-Free Reactive Dyeing on Chemical-Free Pretreated Cotton <small>New Process Technologies</small> Md. Abdul Hannan (Dhaka University of Engineering & Technology, DUET-1707),	13:30
13:55	Specialist in post-consumer textile sorting, fibers and yarns . <small>New Process Technologies</small>	13:55
14:20	(re)shaping product heating using copper inside cellulose hybrid fibers <small>Energy Efficiency</small> Murielle Schreck (qCella AG),	14:20
14:45	How Salt will Help to Electrify the World <small>Energy Storage</small> Peter Arnold (Salzstrom),	14:45
15:10	Tomorrow's Cotton Today	15:10
15:35	- Pause -	15:35
15:55	Diverse AI perspectives on Global Fibre Price Forecasting <small>AI solutions</small>	15:55
16:20	Revolutionising Natural Fibers: Chlorohemp Agrotech's Proprietary Techniques in Himalayan Hemp Cottonisation <small>Natural Fibers</small> Raghavendra Singh (Chlorohemp Agrotech Pvt Ltd),	16:20
16:45	Prokitein: a novel, water-stable protein-based biopolymer technology for hollow fibres and filaments with tuneable porosity and mechanical properties. <small>Biopolymers, Biomaterials</small> Risto Martin (Kalvotek Limited),	16:45