New International Conference on Cellulose Fibres, the fastest growing fibre group in textiles, the largest investment sector in the bio-based economy and the solution for avoiding microplastics

New Technologies & Applications
Cellulose Market – Status & Development
Supply and Demand – Market Trends & Data
Sustainability
Strategies
Policy Framework

Venue
Maternushaus
Kardinal-Frings-Str. 1–3
50668 Cologne, Germany
maternushaus.de

Organiser
nova-institute.eu

Contact
Dominik Vogt
dominik.vogt@nova-institut.de
Tel.: +49 2233/48 14 49

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www.cellulose-fibres.eu
Match Making

Every registered participant has received a link to the match making landing page to activate the match-making tool. After you have been logged in successfully you can directly arrange meetings with other participants of your choice.

• Meet decision makers of the Industry – 1-on-1
• Find new networking and business opportunities
• Arrange meeting place & time with ease
• Manage all your meetings in one simple user-friendly environment
• Get email alerts for meeting requests

You are not yet registered or you have questions about the match making tool? Svenja Geerken will help you:

Svenja Geerken
svenja.geerken@nova-institut.de
Dear participants of the Conference and Exhibition,

Welcome to the world’s first conference devoted exclusively to cellulose fibers. In close cooperation with our sponsors and partners, we have managed to get practically all relevant players to Cologne ready for the first conference. Learn and discuss the latest market information, technologies and applications. A very important topic is sustainability, as cellulose fibers can score many points here. They have a low ecological footprint, leave no microparticles and consist of 100% renewable carbon. They provide important solutions for the future and are already available today in large and growing quantities. Alternative sources for cellulose can further improve sustainability.

Be curious! We wish you a lively exchange, many inspirations and comprehensive networking. And have fun in the lively city of Cologne, which was founded by the Romans about 2060 years ago.

Your nova conference team

Michael Carus
CEO

nova-Institute

nova-Institute is a private and independent research institute, founded in 1994; nova offers research and consultancy with a focus on bio-based and CO₂-based economy in the fields of food and feedstock, techno-economic evaluation, markets, sustainability, dissemination, B2B communication and policy. Every year, nova organises several large conferences on these topics; nova-Institute has more than 35 employees and an annual turnover of 3 million €.
Exhibition

www.cellulose-fibres.eu/exhibitors

- Free
- Reserved for sponsors (Become a sponsor)
- Booked

List of Exhibitors

Booth 02 | BT2i
Booth 03 | Stora Enso
Booth 04 | LEVACO Chemicals GmbH
Booth 05 | Lenzing
Booth 06 | nova-Institut GmbH
Booth 07 | Sateri
Booth 08 | Media Table
Booth 09 | ITA – RWTH Aachen University

Booth 10 | smartpolymer
Booth 11 | Flocus
Booth 13 | Surface Measurement System
Booth 14 | Bozzetto Group
Booth 15 | Austrian Fibers Institute
Booth 18 | Match Making
Booth 19 | Poster Exhibition
Booth 20 | Canopy

Status: 28 January 2020 – more exhibitors expected.
www.cellulose-fibres.eu/exhibition-booking

The poster session will be on lunch break of the second day with the possibility to present your poster at booth number 19 on the exhibition space.

Aalto University – Development of high tenacity cellulose fibers | Athlone Institute of Technology – Suitability of selected natural fibres for concrete performance improvement | LEVACO Chemicals GmbH – Auxiliaries for viscose production | DITF (Deutsche Institute für Textil- und Faserforschung Denkendorf) – HighPerCell – Development of high performance cellulotic fibers using IL-technology | DITF (Deutsche Institute für Textil- und Faserforschung Denkendorf) – PURCELL – development of a recyclable, biodegradable all-cellulose composite | Institut für Textiltechnik der RWTH Aachen University – Technical-scale Production of Cellulose Aerogel Fiber Non-wovens | Politecnico di Torino – ComBIOsites: Reversibly photocrosslinked BIO-based composites with barrier properties from industrial by-products | Thüringisches Institut für Textil- und Kunststoff-Forschung Rudolstadt e.V. – Recycling of Lyocell process rejects using BMIM-OAc as solvent | University of Hasselt – Microfibrillated cellulose as reinforcing fillers in elastomeric composites: control on degree of fibrillation | University of Hasselt – Processing of (nano)cellulosics in alternative solvents: opportunities and challenges | Université Bretagne Sud – Hygroscopic properties of molded cellulose samples by comparing fiber sources | VTT Technical Research Centre of Finland – Biocelsol – Sustainable continuous process for cellulotic regenerated fibres | Wageningen University and Research – Natural Deep Eutectics as “green” cellulose co-solvent
Entrance Fee

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Two days (11–12 February 2020)*</td>
<td>895 €*</td>
</tr>
<tr>
<td>One day (1st day, 11 February 2020)*</td>
<td>590 €*</td>
</tr>
<tr>
<td>One day (2nd day, 12 February 2020)</td>
<td>530 €</td>
</tr>
<tr>
<td>Two days (11–12 February 2020) – Students</td>
<td>350 €</td>
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</table>

* incl. dinner buffet

The conference will take place in the Maternussaal of the Maternushaus in Cologne (Germany).

Registration

www.cellulose-fibres.eu/registration

Venue

Maternushaus
Kardinal-Frings-Str. 1–3
50668 Köln (Cologne)
Germany

Phone: +49 (0)221 1631-0
Keyword: nova
frontoffice@maternushaus.de
www.maternushaus.de
**PROGRAMME OF THE CONFERENCE**  
**1st DAY, 11 FEBRUARY 2020**

### Markets & Policy

**Chairperson**  
**Josef Innerlohinger**  
**Lenzing**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>10:00</td>
<td>Michael Carus</td>
<td>nova-Institut</td>
<td>Conference Opening</td>
</tr>
<tr>
<td>10:10</td>
<td>Andreas Engelhardt</td>
<td>The Fiber Year</td>
<td>Status and Outlook on Textile Fibre Markets</td>
</tr>
<tr>
<td>10:30</td>
<td>Oliver Lansdell</td>
<td>Hawkins Wright</td>
<td>The Outlook for Dissolving Pulp, Supply and Demand</td>
</tr>
<tr>
<td>10:50</td>
<td>Nicole Rycroft</td>
<td>Canopy</td>
<td>Next Generations Solutions. A Transition from Forest Feedstocks to Sustainable Alternatives</td>
</tr>
<tr>
<td>11:10</td>
<td>Jukka Kantola</td>
<td>NC Partnering</td>
<td>Forests Industry Reaching out for the Textile Industry</td>
</tr>
<tr>
<td>11:30</td>
<td>Michael Carus</td>
<td>nova-Institut</td>
<td>Cellulose Fibres in the Context of Renewable Carbon, Circular Economy and Plastic Discussion</td>
</tr>
<tr>
<td>11:50</td>
<td>Discussion with all Speakers of the Session</td>
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</tr>
<tr>
<td>12:05</td>
<td>Lunch Break</td>
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</tbody>
</table>
PROGRAMME OF THE CONFERENCE
1st DAY, 11 FEBRUARY 2020

Sustainability & Circular Economy I

Chairperson
Heikki Hassi
Scitech Service

13:35 K. Christian Schuster
Lenzing
Ecological Aspects of Wood-Based (Regenerated) Cellulose Fibres

13:55 Alessandro Pellegrini
Bozzetto
Recent Advances in Cellulose Auxiliaries: an Eye towards Sustainability

14:15 Helena Claesson
Södra Skogsägarna Ekonomisk Förening
OnceMore™, a new Way to make the Textile Industry Circular

14:35 Roland Scholz
Kelheim Fibres
Viscose Fibres for Sustainability in Hygiene Applications

14:55 Discussion with all Speakers of the Session

15:10 Coffee Break
PROGRAMME OF THE CONFERENCE
1st DAY, 11 FEBRUARY 2020

Sustainability & Circular Economy II

Chairperson
Erik Pijlman
KNN Cellulose

15:40 Claudia Kroll
meo Carbon Solutions / ISCC
ISCCplus – Sustainability Certification of Cellulose Fibres for the Textile Industry

16:00 Simone Seisl
Textile Exchange
What Can We Call a More Sustainable – or Preferred – MMCF; From Feedstock to Garment?

16:20 Maike Rabe
Hochschule Niederrhein/University of Applied Sciences
Microplastic Shedding of Textiles – Definitions, Analytics and Problem Solving Approach

16:40 Dimitri Deheyn
Scripps Institution of Oceanography, UC San Diego
On the Assessment of Environmental Biodegradability for Cellulose-based Materials

17:00 Discussion with all Speakers of the Session

17:15 Panel Discussion
“Innovating for Sustainable Lignocellulosic Feedstocks”
moderated by Lara Dammer, nova-Institut
- Nicole Rycroft, Canopy
- Isabelle Montanus, Esprit
- Gundolf Klaehn, GIZ Partnership for Sustainable Textiles
- Patrik Lundström, re:newcell

18:15 Beer on Tap

20:00 Dinner Buffet & Jazz Music

22:30 Traditional German Bowling
PROGRAMME OF THE CONFERENCE
2nd DAY, 12 FEBRUARY 2020

Alternative Feedstocks

Chairperson
Simone Seisl
Textile Exchange

09:00 Birgit Bonefeld
Aarhus University
Cellulose Sources from Cascading Processes – the Case of Green Protein Crop

09:20 Erik Pijlman
KNN Cellulose
Recell® Platform, Tertiary Cellulose for Circular Economy

09:40 Frank Meister
Thüringisches Institut für Textil- und Kunststoff-Forschung (TITK)
Lyohemp – The first Hemp-based Lyocell Fibre for Apparel Application

10:00 Petri Alava
Infinited Fiber
Turning Waste into New and Better Cotton

10:20 Christian Weilach
Lenzing
REFIBRA™ Technology – Lenzings Contribution towards Closing the Loops in the Textile Industry

10:40 Discussion with all Speakers of the Session

10:55 Coffee Break
PROGRAMME OF THE CONFERENCE
2nd DAY, 11 FEBRUARY 2020

New Technologies I

Chairperson
Michael Carus
nova-Institut

11:25 Sascha Schriever and
Baldur Otto
ITA – RWTH Aachen
Cellulose in Textile Technology – An Opportunity for the Bioeconomy?

11:45 Anna Suurnäkki
Metsä Fibre
From Wood-based Cellulose to Textile Fibres with a Novel Approach

12:05 Esha Sharma
Aditya Birla Science & Technology
Understanding Interfacial Phenomena of Particle Interactions with Viscose Polymeric Media During Manufacturing of Functional Viscose Fibres

12:25 Ralf Nyhofen
LEVACO Chemicals
Whats New in Viscose Fibre Finish Technology?

12:45 Discussion with all Speakers of the Session

13:00 Lunch Break
PROGRAMME OF THE CONFERENCE
2nd DAY, 12 FEBRUARY 2020

New Technologies II

Chairperson
Anna Suurnäkki
Metsä Fibre

14:30 Jacky Sun Jian
Sateri
Sustainable Viscose Value Chain – An EcoCosy Case Study

14:50 Anne Michud and Jussi Piira
Stora Enso
Developing Sustainable Textile Fibres through Innovation

Nanocellulose

Chairperson
Nina Graupner
HSB – City University of Applied Sciences Bremen

15:10 Mary Ankeny
Cotton Incorporated
Processing and Property Evaluation of Nanocellulose Extracted from Cotton Fabrics

15:30 Karl Håkansson
RISE Research Institutes of Sweden
Spinning Fibres with Nanocellulose

15:50 Discussion with all Speakers of the Session

16:05 Coffee Break
PROGRAMME OF THE CONFERENCE
2nd DAY, 12 FEBRUARY 2020

Biocomposites and other New Applications

Chairperson
Asta Partanen
nova-Institut

16:35 Stefan Möckel
Papiertechnische Stiftung
Dialcohol Cellulose Fibres as Hydrophilic Cellulose Derivative for the Introduction of Thermoplastic Features to Paper

16:55 André Lehmann
Fraunhofer Institute for Applied Polymer Research IAP
Biogenic Fibre Reinforcement for Composites – Application and Potential of Cellulose Man-made Fibres

17:15 Nina Graupner
HSB – City University of Applied Sciences Bremen
Regenerated Cellulose Fibres: Properties, Pros and Cons for Composite Applications

17:35 Discussion with all Speakers of the Session
ALL-AROUND PULP AND VISCose SUSTAINABLE AGENTS

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- Hydrogen Production & Mineralisation
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Contact
Dominik Vogt
Conference Manager
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dominik.vogt@nova-institut.de

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14 Valuable Quotes: Conference on Cellulose Fibres

Aditya Birla Science & Technology
Esha Sharma
“Bridging the gap in understanding interfacial interactions of additives with viscose solution and opening doors to develop innovative functional viscose fibres.”

Cotton Incorporated
Mary Ankeny
“This study evaluates the feasibility of converting post-consumer cotton textile waste into a viable source of nano-cellulose.”

Fraunhofer-Institut für angewandte Polymerforschung IAP
André Lehmann
“We have to accept the chemical structure of natural feedstocks, which has developed over millions of years and not to hold on to fossil based products we know since one century.”

Kelheim Fibres
Roland Scholz
“Made from renewable cellulose, fully biodegradable and produced under strict German environmental standards, Kelheim’s Speciality Viscose Fibres Vloft® and Danufil® QR provide new opportunities in hygiene applications.”

KNN Cellulose
Erik Pijiman
“Recell®, a circular and sustainable solution based on cellulose: good economics, no carbon emissions.”

Lenzing
Christian Schuster
“Wood-based (regenerated) cellulose fibers can have a very favorable environmental footprint, provided that they are sourced from sustainable forestry, and state-of-the-art production processes are applied; moreover, they are biodegradable in all suitable environments and as such provide opportunities for applications in textiles and nonwovens, but also in packaging and other fields.”

Metsä Fibre
Anna Suurnäkki
“In the presentation “From wood-based cellulose to textile fibres with a novel approach” a short overview of the Metsä Group’s work for development of the novel manufacturing process for staple fibre production is given.”

RISE Research Institutes of Sweden
Kari Hakansson
“Spinning Nanocellulose Fibres – new starting material, new process and new properties.”

Sateri
Jacky Sun Jian
“There are opportunities at every segment of the value chain to materialize sustainable viscose production. Collaboration is required from upstream to downstream.”

Södra Skogsägarna Ekonomisk förening
Helena Claesson
“It’s time to wake up!”

Textile Exchange
Simone Seisi
“Textile Exchange is ascertaining a priority of the fashion and textile sector to ensure manmade cellulosic fibers are sourced sustainably and responsibly. But challenges are still to be overcome in the forests, the mills for pulp and fibers, in transparency and circularity.”

Thüringisches Institut für Textil- und Kunststoff-Forschung
Frank Meister
“Lyohemp®, what indicates apparel fabrics made of innovative hemp dissolving pulp offering ease of wear and superior moisture management.”
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