

## Passion for Cotton!

### 35<sup>th</sup> International Cotton Conference Bremen – The Hybrid Edition

## Technical Advancement Secures the Future – Cotton Processing Procedures

**Bremen, 5 February 2021:** In just a few weeks, the International Cotton Conference Bremen will be launched worldwide. This time the organisers, the Bremen Cotton Exchange and the Fibre Institute Bremen, are presenting a future-oriented conference platform in digital format. It is available to professionals from science and practice anywhere in the world. In addition to subjects such as production, sustainability in the cotton sector, and exciting new products made from cotton, several sessions will focus on the heart of the Bremen conference: the technical lectures.



### Technical Progress is Gaining Momentum



Ring Spinning Machinery © Bühler AG

Cotton processing procedures are becoming more and more productive and intelligent. This is illustrated by a series of lectures by representatives from the fields of textile research and textile machine manufacturing on production processes. On both conference days there will be a session chaired by **Stefan Schmidt**. Schmidt is a long-standing advisor for

science and technology at the Industry Association for Finishing, Yarns, Fabrics and Technical Textiles (IVGT), Frankfurt, Germany.

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Among others, the presentations include the following:

## Innovative Products from Recycled Raw Materials

**Stephan Baz** is Head of the Staple Fibre Technology Division in the Research and Development Department of the German Institute for Textile and Fibre Research (DITF), Denkendorf, Germany. “How does recycled raw material behave during spinning?” Baz discusses this question in his lecture and includes cotton, polyester and technical fibres made of carbon. Based on the respective properties of the raw materials, he presents concepts for converting recycled raw materials into new yarns and innovative products for special applications.

## Spinning Fibres into Quality Yarns with a High Proportion of Short Fibres

“Spinning with a high short fibre content” is the topic of an informative lecture by **Harald Schwippl**. Schwippl is Head of Technology and Process Analytics at machinery manufacturer Rieter AG, Winterthur, Switzerland. He presents the results of a technical study for a rotor spinning process to produce yarn from cotton with high short fibre content and/or admixtures of short-staple noils. The rotor process offers improvements in the area of yarn nonuniformity compared to conventional processes and reduces production costs.

## Improved Carding Technology for More Quality and Production Performance

**Ralf Müller** is Head of Research and Development in the field of spinning technology at textile machinery manufacturer Trützschler GmbH & Co. KG, Mönchengladbach. In the carding process, the cotton fibres are aligned following a pre-cleaning process. In his presentation, Müller presents a new method for ensuring that the carding gap

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between the cylinder and flat clothing is as small as possible. Intelligent sensor technology ensures that the carding gap is automatically set within the machine and kept constant. A minimal carding gap previously not achieved in practice creates new potential for increasing the quality and productivity of carded cotton.



Card Sliver in Spinning Mill  
© Jean-Paul Haessig

### **Minimising Cotton Contamination Before Processing**

**Oswald Baldischwieler**, Product Manager Online Systems at Uster Technologies AG, Uster, Switzerland, presents the results of a five-year practical study of the Total Contamination Control System (TTC) in 236 spinning mills in nine major textile producing countries including China, India, Bangladesh, Indonesia, Pakistan, Turkey and Vietnam. The TTC offers 24/7 online quality monitoring at all relevant stages within the spinning process. Ultimately, even the smallest contamination can lead to considerable quality impairments. Uster assumes that contamination in cotton deliveries is not likely to decrease, but rather increase in the future.

### **Less Hairiness with Fine-Thread, High-Quality Ring-Spun Yarn**

**Stuart Gordon** is a Senior Scientist with the Commonwealth Scientific and Industrial Research Organisation (CSIRO) in the Agriculture and Food Division based in Waurn Ponds, Victoria, Australia. Controlling the hairiness of ring yarns is an important research focus within ring spinning. There is great interest in the spinning sector in reducing undesirable hairiness and any resulting pilling effects in yarns using new techniques at low investment costs. A new unit presented by Stuart Gordon makes this possible.

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We will continue to report on the other contents of the cotton conference in future press releases. The current conference news and programme details can also be found on the conference website: <https://cotton-conference-bremen.de/program/>.

We look forward to active media coverage. Interview requests in advance are processed as quickly as possible. We are already inviting journalists to the conference. Accreditations are possible via the formular attached to this mailing. It is also available as download on the conference website at any time <https://cotton-conference-bremen.de/press/>.

Images contained in the press release may be used for publication provided that the source/author is acknowledged.

## For further information and interview requests, please contact:

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## About the International Cotton Conference

The International Cotton Conference Bremen – the Hybrid Edition offers a total of 13 conference sessions covering highly relevant topics from the international cotton textile industry. A new feature of the virtual format is the possibility to choose between two parallel lecture strands: The ‘Conceptual Track’ deals with current challenges and fundamental issues within the industry, while the ‘Technical Track’ is mainly devoted to technological and scientific developments. All sessions are characterised by great

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opportunities for interaction in the form of moderated chats, surveys and questionnaires.

In addition, the 'Interaction Track' provides the opportunity for break-out sessions, poster presentations and individually organised virtual table discussions. A digital matchmaking service, business speed dating and extensive opportunities for discussion groups during breaks round off the networking offers. In addition, the virtual platform makes it possible to send questions to speakers at any time and to arrange to meet interesting contacts for video or audio calls.

Find more information about the virtual experience on the conference website: <https://cotton-conference-bremen.de/virtualexperience/>

The organisers of the International Cotton Conference Bremen are the Fibre Institute Bremen e. V. (FIBRE) and the Bremen Cotton Exchange.

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