

Editorial Program

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- Fibers/Yarns** New fiber developments
Producing textile fiber from starch – cost-effective and eco-friendly (ITA Aachen; ICT, Pfingsttal; Tecnar GmbH, Ilsfeld, WarmX GmbH, Apolda/Germany)
Spider silk – high-performance protein fiber with great market potential
Biopolymer fibers for textile applications (P. Senthilkumar, PSG College of Technology, Coimbatore/India)
Laser drilled spinnerets for cellulose fibers with new properties (IFWS, Stuttgart/Germany; ITCF, Denkendorf/Germany)
- Spinning** Impact on fabric hand on knitted fabric made of ring, rotor and air-jet yarn (N. Patil, Rieter India Pvt. Ltd., Pune/India; S.P. Borkar VJTI, Mumbai/India; S. Weidner-Bohnenberger, Rieter Machine Works Ltd., Winterthur/CH)
- Weaving** Influence of weave design on the properties of fabric (M. Bera, Indian Institute of Carpet Technology, Bhadohia/India)
Energy efficient relay nozzle concept for the air-jet weaving process (A. Schröter, ITA, Aachen/Germany)
Integration of woven fabrics in 3D printed elements to enhance mechanical properties (A. Julius, HS Niederrhein, Mönchengladbach/Germany)
- Knitting** New spinning-knitting technology (Terrot GmbH, Chemnitz/Germany)
- Textile Finishing** Digital printing as the forerunner of the 4th industrial revolution (M. Muth, HS Niederrhein, Mönchengladbach/Germany)
New digital printer with textile transportation belt (Mimaki Engineering Co., Nagano/Japan)
Economic and ecological comparison of continuous and discontinuous pretreatment (J. Ströhle, Benninger AG, Uzwil/Switzerland)
Chemical reaction of reactive dyestuffs with cellulose substitutes (M. Hähnke, Kelkheim/Germany)
Effect of antimicrobial finish on shelf life of sugarcane fiber (P. Gourkar, D.K.T.E. Society's Textile and Eng. Inst., Ichalkaranji/India)
- Textile Industry** Preparation of flame-retardant polymer nanocomposite textiles (A.A. Mandot, The Maharaja Sayajirao University of Baroda, Gujarat/India)
3D printing for functionalization of textiles – aspects of durability and coating adhesion (J. Bergschneider, HS Niederrhein, Mönchengladbach/Germany)
3D printing of Braille on textiles (E. Kreikebaum, HS Niederrhein, Mönchengladbach/Germany)
Customized drive solutions for textile industry (Hanning Elektro-Werke GmbH, Oerlinghausen/Germany)
Techtextil 2017 on May 9-12, 2017 in Frankfurt/Germany