Editorial Program

Man-Made Fiber Year Book 2011

(Publication date: October 25, 2011)
(Ad closing date: October 4, 2011)

**Fiber Raw Materials**
- Global market trends for fiber raw materials
- Direct recycling of PET fiber waste with MRS extruder (Gneuß Kunststofftechnik GmbH, Bad Oeynhausen/Germany)
- PET MTR resin – a success story (E. van Endert, Uhde Inventa-Fischer GmbH, Berlin)
- New PET bottle recycling spinning technology for polyester yarn industry (S. Wei, Beijing Chonglee Machinery engineering Co., Ltd., Beijing/China)
- Fiber in-house recycling – experiences and challenges of industrial practice (U. Thiele, Polyester Technology Service, Bruchköbel/Germany)

**Fibers**
- New man-made fiber developments
- World textile fiber business trends (E. Hayes, Poughkeepsie, NY/USA)
- Cotton’s impact on other fibers (D. Collier, N. Bywater, Tecnon OrbiChem Ltd., London/UK)
- Global man-made fiber trends
- Global industrial yarn markets
- Global carbon fiber capacities
- 50th Man-made Fibers Congress Dornbirn 2011
- European market trends for polyolefins (EATP, Brussel/Belgium)
- Hybrid polyester yarn for automotive fabrics with improved elastic recovery (D. Özdemir, Korteks Mensucat San., Bursa/Turkey)
- The carbon fiber market – an overview of the present situation (M. Warnecke et al., RWTH Aachen University, Aachen/Germany)
- Nano-modified PA 6 yarns for technical applications (P. Kravaev et al., RWTH Aachen University, Aachen/Germany)
- Nanofiber-covered yarns (O. Jirsak et al., Technical University of Liberec, Liberec/Czech Republic)
- Temperature regulating textile fibers containing large amounts of PCM (B. Hagström, Swerea IVF, Mölndal/Sweden)
- Flame-retardant fibers for protection and safety textiles (R. Jarausch, PyroTex GmbH, Hamburg/Germany)
- Superabsorbent bicomponent staple fiber (W. Stefani, Trevira GmbH, Bobingen; A. Kirchberger, Universität Erlangen/Germany)
- Natural volcanic rock fibers (D. Pico et al., RWTH Aachen, Aachen/Germany)

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Global elastane yarn markets
Spandex (elastane yarn) – expanding prospects
(D. Hart, PCI Fibres, Harrogate/UK)
Structure and functionality of steam-jet fiber Felibendy
(S. Kiyooka, Kuraray Kuraflex Co., Ltd., Okayama/Japan)
New PA/PE bico fiber for artificial turf
(EMPA, St. Gallen; Tisca Tiara AG, Bühler/Switzerland)
New yarn technology for artificial turf (Colbond BV, Arnhem/Netherlands)
New fiber and yarn developments

**Fiber Production**

Project list of new polymer and chemical fiber plants 2010
Polymer – made by Oerlikon Barmag
(J. Langfeld, R. Schneider, Oerlikon Barmag, Remscheid/Germany)
Spin finish – only processing aid or high performance lubricant with different functionalities? (J. Weigel, Clariant International Ltd., Muttenz/Switzerland)
Nanofiber spinning installations (A. Desch, Dienes Apparatebau GmbH, Mülheim; F. Reiter, Reiter GmbH Oberflächentechnik, Winnenden/Germany)
Filament breaches during air-gap spinning
(B. Wirth et al., RWTH Aachen University, Aachen/Germany)

**Texturing**

World market trends for texturing machinery
Global textured yarn costs (ITMF)
The main Asian and Middle East draw-textured yarn markets
(A. Steingass, J. Lakraa, Oerlikon Barmag, Remscheid/Germany)
Online tension sensor system for false-twist draw-texturing machines
(H. Keser, Retech AG, Meisterschwanden/Switzerland)
Wicking behavior of air-jet textured yarns
(M.Y. Gudiyawar et al., DKTES Textile & Engineering Institute, Ichalkaranji/India)
Cost-efficient automation solution for BCF carpet yarn plants with modular winder
(D. Horcher, H. Schumacher, Siemens AG, Nürnberg and Kiel/Germany)

**Nonwovens**

Global market trends for nonwovens
New structures for resorbable polymers
(R.W. Slack, Fibre Extrusion Technology, Leeds/UK)
Biopolymers for nonwovens – environmentally beneficial, technically advantageous, commercially feasible (E. Tighe, NatureWorks LLC, Minnetonka/USA)
Spunlaid cellulose nonwovens (L. Gerking, Nanoval GmbH, Berlin/Germany)
Cupro filament nonwovens Bemliese (Asahi Kasei Fibers)
Elastomeric durable nonwovens through the use of novel bicomponent fiber cross-sections (N. Anantharamaiah, The Nonwovens Institute, Raleigh, NC/USA)