Editorial Program

TT 1 / 2016

Technical Textiles
Innovation, Technology, Application
Textile Technology

Publication date **February 26, 2016**
Ad. closing date **February 5, 2016**

Fibers / Yarns

Fibers specialties for technical textiles

Melt-electrospinning on pilot scale – thinking ahead technologically (U. Rübsam, ITA, Aachen; J. Daenicke, FAU, Erlangen; R. Fourné, Fourné Maschinenbau GmbH, Alfter-Impekoven; G. Pötter, Pötter-Klima GmbH, Georgsmarienhütte/Germany)

New textile fabric based on multifilament viscose yarn (M. Gebert-Germ, Glanzstoff Industries GmbH, St. Pölten/Austria)

Custom-made carbon fibers – unique process technology at the HPFC (ITCF, Denkendorf/Germany)

PE/carbon black compounds for fiber-based heating (M. Bischoff, ITA, Aachen/Germany)

Processing of extruded PLA filaments into material blends and pre-composites (M.-I. Popzyk, ITA, Aachen/Germany; L. De Vriese, Sirris Leuven-Gent Composites Application Lab; K. Becker, Centexbel, Gent/Belgium)

Technical Textiles

ITMA 2015: innovations at machines for technical textiles (C. Cherif, TU Dresden/Germany)

Wetgrass Project – performance and athlete's comfort on synthetic turf pitches (L. Rodrigues, CITEVE, Vila Nova de Famalicao/Portugal)

Climate-plaudits for covering materials (T. Strobel, Fenwis GmbH, Gauting/Germany)

Clothing from organic/inorganic composite fibers for reduction of x-ray expositions (B. Mahltig; HS Niederrhein, Mönchengladbach; M. Krieg, TITK, Rudolstadt; T. Leisegang, Saxray GmbH, Dresden/Germany)

Lightweight construction panels made from high-performance-fiber-based warp-knitted spacer fabrics (C. Franz, ITM, Dresden/Germany)

Innovative multiaxial fabric for textile lightweight construction (ITV, Denkendorf/Germany)

3D warp-knitted reinforcements for new qualities of sandwich core materials (K. Schäfer, Institute of Lightweight Structures, Chemnitz/Germany)

Microwaveable filament yarns for fiber reinforced thermoplastic composites (S. Jandrey, ITA, Aachen/Germany)

Integration of woven fabrics in 3D printed elements to enhance the mechanical properties (A. Julius, FH Niederrhein, Mönchengladbach; A. Ehrmann, FH Bielefeld/Germany)

Adjustment of water vapor resistance using laser transmission welding (A. Haag, Swiss Federal Laboratories for Materials Science and Technology, St. Gallen/Switzerland)

Nonwovens

ITMA 2015: innovations in nonwovens production (H. Illing-Günther, W. Schilde, STFI, Chemnitz/Germany)

Buyers' Guide: Technical Textiles
Fibers/Yarns, Technical textiles, Machinery/Accessories