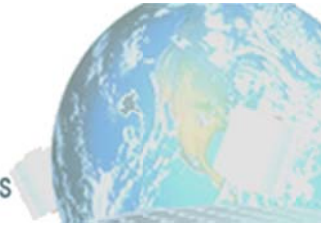


the fiber society

for the advancement of scientific knowledge
pertaining to fibers, fiber based products, and fibrous materials



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Spring 1992 Meeting Bordeaux, France

Papers Presented

Modeling of Textile Structures and Processes:

"Modeling the fiber Length Distribution of Cotton"

K. Q. Robert

"Unraveling the Over-end Unwinding Problem"

T. K. Ghosh, S. K. Batra, A-H. Liu, and W. B. Fraser

"A Woven Fabric Model"

R. Dent

"Modeling the Swelling Shrinkage of a Fabric"

R. Hagege

"A Study of the Nip formation Mechanism of Intermingling Yarns"

T. Y. Liao and W. G. Zang

Composite Materials:

"On the comparison of Mechanical Behavior of 3D Multilayer Interlocked Braided Composite and Conventional 2-D Braided Composites"

D. S. Brookstein

"Application of 3-D-Braiding-Technology for Composites"

A. Busgen, B. Wulfhorst and J. Brandt

"Development of Circular Carbon Weft Knit Preforms for Tubular C/C Composite Materials"

S. R. Matic and H. D. Lang

"Origins of Damage Tolerance in Polyethylene Fibers and Composites"

D. C. Prevorsek

"Multiaxial Textile Constructions for Composite Applications"

F. L. Scardino

Non-Conventional Fibers & Fiber Properties:

"The Asclepias Syriaca L. (Milkweed) Fiber: Perspectives and New Developments"

G. Lombard, M. Weltrowski, O. Vermeersch, C. Riss, J. Patry, and J.-Y. Drean

"Biochemical Techniques used to Characterize the Initial Degradative Changes in Silk Fiber"

M. A. Becker and N. C. Tuross

"Bending Fatigue Failure of PET Monofilaments"

S. P. Hersh, S. K. Batra, D. Dekun, and W. Zhenqiu

"Moldable Composites from Lignocellulosic and Synthetic Fibers"

R. A. Young, R. M. Rowell, and A. Samadi

"Structural Characteristics of CTA Fibers Spun from the Mesophase"

Z. Wu, C. Zhang, R. D. Gilbert, and R. E. Fornes

Modification in Polymer Systems:

"A Study on the Mechanism of Dissolution of the Cellulose/NH₃/NH₄SCN System"

J. A. Cuculo, C. B. Smith, N. Aminuddin, and U. Sangwatanaroj

"Study of the Influence of Novel Surface Treatment Techniques on Fiber Properties"

Y. Rogister, J. Knott, L. Ruys, and M. Van Lancker

"Surface Modification of Fabrics by Plasma Treatment"

A. M. Sarmadi and Y. A. Kwon

"Evolution of PVC Morphology Under Heat Treatment Using ESR and TEM Probes Techniques"

B. Catoire, R. Hagege, V. Verney, S. Commezeuc, and A. Michel

"Polymer Modifications for Improved textured Nylon 6,6 Yarns and Processes"

J. H. Southern

The Chemistry & Physics of Single Fibers :

"Hollow Fiber IPN Membranes"

N. W. Hayman

"Discoloration of KERMEL Fiber. A Review of the Different Chemical Approaches"
P. Michaud

"Characterization of the Noncrystalline Phase of Oriented Poly(ethylene Terephthalate)
by Chain-Intrinsic Fluorescence"
D. R. Salem, B. Clause, and H.-D. Weigmann

"Deformation Micromechanics in High Performance Fibers"
R. J. Young

"Carbon Fiber Precursor Formation Studied by the PL-DMTA"
R. E. Wetton, J. C. Duncan and I. M. C. Sandy
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