

the fiber society

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



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Fall 1993 Meeting Cornell University, Ithaca, NY

Papers Presented

- "Solid State Polymerization of Thermotropic Polyester Fibers"
S. Warner and J. Lee
- "A Quantitative Analysis of the Viscoelasticity of Oriented Crystalline Fibers"
J. J. M. Baltusen and M. G. Northolt
- "On the Distribution of Break Strength for Polyester Staple Filaments"
D. Schiffler
- "Effect of Moisture and Orientation on the Fracture of Nylon 6,6 Fibers"
S. Michielson
- "Tensile, Thermal and Surface Properties of Dangling Silk Fibers Extracted from Golden Orb Web Spinning Spiders (Nephila Clavipes)"
P. M. Cuniff, S. A. Fossey, M. A. Auerbach and J. W. Song
- "Preparation and Properties of Magnetic Cellulose Fibers"
R. H. Marchessault, C. Hugang and L. Raymond
- "Effect of Fiber Volume Fraction on Stiffness and Strength in Short-Fiber Reinforced Composites"
L. Monette, M.P. Anderson and G. S. Grest
- "Raman Spectroscopic Studies of Local Load transfer and stress Concentration Due to Fiber or Matrix Failure in Composites"
D.T. Grubb, Z. F. Li and S. L. Phoenix
- "High Temperature Performance Comparison of NASA Space Suit Assembly Restraint Webbing, Spectra 1000 versus Polyester"
R. J. Demidowicz and C.A. Gomes

"Modeling Fatigue in Ropes"
J. W. S. Hearle

"Predicting the Draping Behavior of Woven Cloth using Interacting Particles"
D. E. Breen, D. H. House, and M. J. Wozny

"Translation of Polyester/Cotton Blended Yarn Properties in Fabric Behavior"
Y. Qiu and S. Backer

"A Computer Model for Wetting Hysteresis"
Y. K. Kamath, A. D. Mahale and S. P. Wesson

"Competitive Diffusion of a Disperse Dye and a Solvent into Poly(ethylene Terephthalate) Film"
R. L. Stinson and S. K. Obendorf

"Non-Formaldehyde Crease-Resistant Finishing of Silk by Polycarboxylic Acids"
Y. Yang and S. Li

"X-Ray Photoelectron Spectroscopy Studies of Photochemical Changes in Fire-Resistant Fibers"
L. Hamilton

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