

the fiber society

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



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1998 International Meeting
Asheville, NC
July 5-10, 1998

One Hundred Years of Fiber & Textile Research

An International Technical Symposium to celebrate
100 Years of Modern Fiber Science

Program

Monday, July 6, 1998: Sources & Materials of Fibers

Morning	Discussion Leader: R. D. Gilbert	
Talks	Natural Cellulosic Fibers	L. Rebenfeld
	Natural Protein Fibers	M. Feughelman & P. Turner
	High Volume and Controlled Synthesis of Fiber Forming Polymers	D. Sikkema, A. Piotrowski, B. Lommerts, K. Wagener & P. Desai
	Materials for High Strength, Conductive, Non-linear Optical Fiber Applications	M. Jaffe & J. Stamatoff
	Biosynthetic Processes for Linear Polymers	J. Asrar
	Regenerated/Reconstituted Cellulosic Fibers	S. Smith
Afternoon	Sources & Materials of Fibers	
Poster	Fiber Formation, Structure &	
Session	Properties	
Evening	Panel Discussion:	Discussion leaders:
Program	Asrar, Brown, Feughelman/Turner, Jaffe, Rebenfeld, Sasser, Sikkema, Smith	Gilbert & Abhiraman

Tuesday, July 7, 1998: Fiber Formation, Structure & Properties

Morning Talks	Discussion Leader: J. Spruiell
	Dynamics & Evolution of Structure in Fiber Extrusion J. Shimizu
	Dynamics & Evolution of Structure in Solution-based Fiber Formation V. A. Marikhin & L. Myasnikova
	Formation and Structure of High Mechanical Performance Fibers: I. Rod-like Polymers and Carbon/Ceramic Structures M. Northolt
	Formation and Structure of High Mechanical Performance Fibers: II. Flexible Polymers T. Kikutani
	Heat Setting V. B. Gupta
	Extruded Continuous Filament Nonwovens: Processes & Structures R. Siemionko & H. Shin
Afternoon Poster Session	Sources & Materials of Fibers Fiber Formation, Structure & Properties
Evening Program	Panel Discussion: Allen, Davis, Gupta, Kavesh, Kikutani, Marikhin/Myasnikova, Northolt, Ross, Shimizu, Siemionko/Shin Discussion leaders: Spruiell & Abhiraman

Wednesday, July 8, 1998: Yarns & Fabrics: Processes, Structures & Properties

Morning Talks	Discussion Leader: U. Meyer
	Yarn Formation: Process Dynamics and Yarn Structures M. Renner, J-Y. Drean, E. Aubry, C. Ritzenhaler
	Weaving: Process Dynamics and Fabric Structures S. Nosek
	Knitting: Processes and Structures T. Little
	Carpets: Materials, Processes and Structures G. Carnaby
	Staple Fiber Nonwovens: Processes and Structures R. Krcma

	Evaluation of Textile Materials (Fibers/yarns and Fabrics for Consumer and Industrial Applications)	S. Kawabata
Afternoon Poster Session	Yarns & Fabrics: Processes, Structures & Properties Properties of Fiber Assemblies Chemical Modification of Fibrous Materials	
Evening Program	Panel Discussion: Brookstein, Carnaby, Goswami, Kawabata, Krcma, Little, Nosek, Renner, Suh	Discussion leaders: Meyer & Abhiraman

Thursday, July 9, 1998: Properties of Fiber Assemblies

Morning Talks	Discussion Leader: J. Skelton Physical Properties of Twisted Structures: I. Textile Yarns Physical Properties of Twisted Structures: II. Higher Order Twisted Structures (industrial yarns, ropes, braids, etc.) Mechanical Properties of Woven and Knitted Fabrics Properties of Nonwovens Properties of Carpets Functional Textile Materials: I. Medical Materials Functional Textile Materials: II. Materials in Human Environment- related Applications	Y. Hao-jing N. Pan & D. Brookstein R. Postle S. Batra & B. C. Goswami R. Peoples, R. Miller & R. Ramachandran M. King & B. Pourdeyhimi N. Kamiyama
Afternoon Poster Session	Lunch Yarns & Fabrics: Processes, Structures & Properties Properties of Fiber Assemblies Chemical Modification of Fibrous Materials	
Symposium	Mini-Symposium on Current Research vis-a-vis Sustainability	

Evening Program	Reception and Banquet	
	Panel Discussion: Batra, Dent, Hao-jing, King, Pan, Peoples, Phoenix, Postle, Pourdeyhimi, Schwartz	Discussion leaders: Skelton & Abhiraman

Friday, July 10, 1998: Chemical Modification of Fibrous Materials

Morning	Discussion Leader: H. Kobsa	
Talks & Panel Discussion	Dyeing of Textile Materials	D. M. Lewis
	Finishing of Textile Materials	P. Bajaj
	Surface Modifications of Textile Materials	E. Schollmeyer
	Functional Finishes (Flame Retardation, Antistatic, Antibacterial, etc.)	S. Fukuoka
	Measurement of Surface Properties of Fibers and Fibrous Materials	B. Miller
	Panel Discussion: Bajaj, Cook, Freeman, Fukuoka, Kamiyama, Lewis, Miller, Schollmeyer	Discussion leaders: Kobsa & Abhiraman
Afternoon	Lunch	
	Workshop on Fiber Science- Technology- Management Interfaces	

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