MOHAN SRINIVASARAO

School of Polymer, Textile and Fiber Engineering
Georgia Institute of Technology
Atlanta, GA 30332

Phone: (404)-894-9348
Fax: (404)-894-9766
Email: mohan@ptfe.gatech.edu

EDUCATION:

Ph. D. in Chemistry (1990)	Carnegie Mellon Univ., Pittsburgh, PA 15213.
M. S. in Polymer Science (1985)	Carnegie Mellon Univ., Pittsburgh, PA
M. Sc in Applied Chemistry (1981)	PSG College of Technology, Univ. of Madras, India
B. Sc in Applied Science (1979)	Madurai University, India.

WORK EXPERIENCE

2/02-current	Associate Professor, Georgia Institute of Technology, Atlanta, GA, 30332
8/99-1/02	Assistant Professor, Georgia Institute of Technology, Atlanta, GA, 30332
8/95-8/99	Assistant Professor, NC State University, Raleigh, NC 27695
3/94-	Consultant to AT&T Bell Laboratories, Murray Hill, NJ
4/90-2/94	Research Fellow at University of Massachusetts, Amherst
1982-1990	Research Assistant, Carnegie Mellon University.

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Member of the American Chemical Society, Materials Research Society, Optical Society of America, Society of Rheology, American Physical Society, American Association for the Advancement of Science.
Organized a symposium on "Structured Fluids and Soft Solids" 77th Colloid & Surface Science meeting (June 2003)
Organized a symposium in Honor of Prof. Guy Berry at Carnegie Mellon University (May 2002)
Organized a symposium on "Liquid Crystalline Polymers" at the Hilton Head, Society of Rheology (Feb 2001)

HONORS

Invited speaker at the Gordon Research Conference in 1997, 1999, 2002, 2003
NSF Career Award (1999-2003)

SELECTED PUBLICATIONS

1. S. A. Haque, J. S. Park, Mohan Srinivasarao, and J. R. Durrant," Molecular-Level Insulation: An Approach to Controlling Interfacial Charge Transfer", *Adv. Mat.*, **16(14)**, 1177 (2004)
2. B. Erodgan, L. L. Song, J. N. Wilson, J. O. Park, Mohan Srinivasarao, and U. H. F. Bunz, " Permanent Bubble Arrays from a Cross-linked poly(p-phenylene ethynylene): Picoliter Holes without Microfabrication", *J. Am. Chem. Soc.*, **126(12)**,3678-3679 (2004)
3. L. Song, R. K. Bly, J. N. Wilson, S. Bakbak, J. O. Park, Mohan Srinivasarao and U. H. F. Bunz, " Facile Microstructuring of Organic Semiconducting Polymers by the Breath Figure method: Hexagonally Ordered Bubble Arrays in Rigid-Rod Polymers"; *Adv. Mat.*, **16(2)**, 115 (2004)
4. J. Zhou, David Collard, Jung O. Park and Mohan Srinivasarao, " Anchoring Transitions of a Nematic Fluid at a Polymer Interface: Control by sidechain branching" *J. Am. Chem. Soc*, **124**, 9980 (2002)
5. Mohan Srinivasarao and Jung O. Park, " Magnetic Field Induced Instabilities in Nematic Solutions of Polyhexylisocyanates", *Polymer*, **42**, 9187 (2001)
6. Mohan Srinivasarao, David Collings, Alan Philips and S. Patel, "Three-Dimensionally Ordered Array of Air Bubbles in a Polymer Film", ***Science,*** **292**, 79 (2001)
7. Mohan Srinivasarao, " Nano-Optics in the Biological World: Beetles, Butterflies, Birds and Moths" *Chemical Reviews,* **99**, 1935-1961 (July1999).
8. N. Pargellis, John Mendez, Mohan Srinivasarao and B. Yurke, " Dynamics of Monopole Annihilation by Type-1/2 Strings in a Nematic Liquid Crystal", *Phys. Rev. E.*, **53**, R25-R28 (1996)

SOURCES OF FUNDING

National Science Foundation (DMR, DMII), National Texitle Center, Department of Energy, and the ACS Petroleum Research Funds