

Tushar Ghosh
William A. Klopman Distinguished Professor
Textile Engineering, Chemistry and Science
Textile Technology
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Ghosh received his doctoral degree in Fiber and Polymer Science from North Carolina State University in 1987. Upon graduation, he joined the faculty at NC State University that same year and has since been a visiting Professor at the University of Sydney and the Indian Institute of Technology at Bombay. Currently, he is the William A. Klopman Distinguished Professor of Textiles at the Wilson College of Textiles at NCSU. He has been named Outstanding Teacher of the Year and selected for the Circle of Excellence by the National Textile Center. In 2007, he was the recipient of the Fiber Society's Founders Award for outstanding contributions to the science and technology of fibrous materials. His research activities are devoted to the mechanics of fiber assemblies, characterization of fibrous materials, design and development of functional fibers, and fiber-based structures for adaptive and responsive textiles. His current interests include the fabrication of sensors and actuators involving polymer nanocomposites, electroactive polymers, artificial muscle, and biomimetic systems.

Professor Ghosh has been teaching various technology courses at both graduate and undergraduate levels. In recent years, he has taught courses on weaving technology, functional textiles, and characterization of textile materials. Dr. Ghosh has served as a consultant to many public institutions and industries on issues related to textile technologies and the performance of textile products. He has authored several book chapters and monographs, over 100 journal articles and over 150 conference presentations.