

**Biography
For
Dr. W. Garth Frazier**

Dr. Frazier received his B.S. and M.S. degrees from Mississippi State University and his Ph.D. degree (1993) from Ohio University—all in Electrical Engineering. His research has focused on the development and application of computational methods for engineering system design with particular emphasis on design and control of materials and manufacturing processes. Recently, he has lead efforts to develop and encourage the widespread use of multi-objective engineering design optimization techniques in real-time collaborative environments such as the Internet. Dr. Frazier has received several awards for his work in this area including the G. Smith Memorial Award for Outstanding Electrical Engineering Graduate Student at Ohio University, the Society of Manufacturing Engineers Outstanding Young Manufacturing Engineer Award, and Finalist for the Air Force Research Laboratory (AFRL) Materials and Manufacturing Directorate's Charles J. Cleary Scientific Achievement Award. He was chosen as a National Science Foundation Frontiers of Engineering Selectee and was a member of a 2000-2001 Air Force Office of Scientific Research (AFOSR) Star Team. Dr. Frazier currently holds a position as Manager of Electronics and Software, Miltec Research and Technology, Oxford, MS, where he is leading an U.S. Army effort to develop acoustic technology for early warning of cruise missile attacks.

Professional Experience

- Manager of Electronics and Software, Miltec Research and Technology Incorporated, Oxford, MS, 2000-present
- Research Engineer, Air Force Research Laboratory, Wright-Patterson AFB, OH, 1993-1994 and 1996-2000
- Assistant Professor of Electrical Engineering, Cedarville University, Cedarville, OH, 1994-1996
- Traffic Engineer, South Central Bell, Jackson, MS, 1986-1988.

Curriculum Vitae

- Analog and Digital Control Systems
- Real-time Control
- Analog and Digital Communication Theory
- Probability and Random Processes for Engineers
- Analog and Digital Electronics Laboratories

Research Interests

- Applied Dynamical Systems Theory
- Signal Processing
- Applied Optimization Theory