

GRANTS and CONTRACTS

The following is a partial list of the Grants and Contracts that have been completed. The list does not include the grants and contracts in progress.

- Adanur, S., Equipment Grant for Air-Jet Research. L5200 S 210 N2 IK TE Air-Jet Weaving Machine (L5200 series, filament execution, 210 cm max. reed width, low built, two color pick at will, crank shedding motion, electronic filling feeders). Market Value: \$15,000.00. Donor: Sulzer Textile, Inc. Date Received: Nov. 22, 2002.
- Adanur, S. (PI), ElMogahzy, Y., and Abdelhady, F., “Yarn and Fabric Design and Analysis in 3D Virtual Reality”, National Textile Center, \$ 177,938.00, May 1, 2000 - April 31, 2003.
- Parker, F., Dyer, D. (PIs), Adanur, S., and several other Engineering Faculty, “AU Priority Areas; Transportation Pinnacle: Commercial Highway Systems”, October 1, 99-August 31, 2002. \$41,750 (with Dr. H. Tippur).
- Adanur, S., “Fast Net-Shape Manufacturing of Polymer Composite Structures”, 1995 NSF Faculty Early Career Development (CAREER) Program, National Science Foundation, \$ 210,000.00; duration: 5 years, Sept. 1, 96-Aug. 31, 2001.
- Adanur, S. (PI), Bakhtiyarov, S., and Beale, D., “Characterization of Air-Yarn Interface in Air-Jet Weaving”, National Textile Center, \$ 174,926.00, May 1, 1999-April 31, 2001.
- ElHalwagi, M. (PI), Adanur, S., and 15 other faculty, “Bicomplexity Incubation Project Proposal FY 2000-2002”, \$ 220,000.00, National Science Foundation, Duration: 1 year, Sept. 2000- August 2001.
- Adanur, S. (PI), and Shalaby, S. E., "Design and Manufacture of Stitch Bonded, Thermoplastic Textile Composites", US-Egypt Science and Technology Joint Fund, \$ 39,978, September 1, 1998 - August 31, 2001.
- Jones, P. (PI), Flood, C. A., and Adanur, S., “Developing a Course Based on Equipment Design for Introduction to Engineering”; AU College of Engineering; \$ 24,050; June 1, 1999-May 31, 2000.
- Adanur, S. (PI), Thomas, H., Gowayed, Y. and Ghosh, T., “On-line Measurement of Fabric Mechanical Properties for Process Control”, National Textile Center, \$ 446,912.00; duration: 3 years, March 1, 96 – April 31, 2000.

- Jang, B. Z. (PI), Yang, X. F., and Adanur, S., "Solid Free Form Fabrication of Advanced Alloys and Metal Matrix Composites", College of Engineering Graduate Research Assistantship, \$ 20,000.00; duration: October 1, 1997-September 30, 1999.
- Elton, D. (PI), and Adanur, S., "Waterjet Manufacturing of Custom Geotextiles", College of Engineering Infrastructural Awards, \$ 62,524.00; duration: October 1, 1997-September 30, 1999.
- Gowayed, Y., (Project Coordinator), Adanur, S., and 15 other researchers, "Utilization of Solid Waste in Alabama", NSF/EPSCoR, \$ 3 million; duration: 4 years, Aug. 95-July 99.
- Adanur, S., (PI) and 5 other researchers from 4 universities, "Design and Characterization of Geotextiles for High Performance Applications", National Textile Center; amount: \$ 915,000.00; duration: March 1, 1994 - April 30, 1998.
- Adanur, S., "A New Military Fabric with Flame Resistance Properties"; US Army Natick R&D and Engineering Center; \$ 40,000.00; 24 months, Dec. 1995 - Dec. 97.
- Elmogahzy, Y. (PI), Broughton, R., Adanur, S., Gowayed, Y. (Auburn), Jayaraman, S. (Ga Tech), Suh, M., Oxenham, W., Woo, J., Rust, J. (NC State), Backe, E. (ITT), "Fingerprinting and Backward Quality Projection in Textile Products", \$ 540,000.00, National Textile Center, Duration: 1 year, March 1, 1995 - February 28, 1996.
- Adanur, S. (PI), Walsh, W., Walker, R., and Jang, B., "Textile Structural Composites Laboratory", National Science Foundation, Instrumentation and Laboratory Improvement (ILI) Award, \$ 87,185.00, 30 months, September 1, 94 - August 31, 96.
- Adanur, S. (PI), and Gowayed, Y., "Textile Structures for Composites: Stitch Bonded Laminar Composites, National Textile Center, \$ 2,310,000 for 4 universities; Auburn's share \$ 223,656.00, March 1, 1993 - February 28, 1996.
- Adanur, S., "Wellington Sears Handbook of Industrial Textiles", Wellington Sears Company, Valley, AL, \$ 60,000.00, October 1, 1993-March 15, 1995.
- Walker, R. (PI), Broughton, R., Adanur, S., Beale, D., and Nelms, M., "Design of a Braiding Machine to Produce Wide, Flat Woven Structures at a Significantly Increased Production Rate", National Textile Center, \$ 570,000.00, March 92 - February 94.