# Department of Engineering Technology

The Department of Engineering Technology prepares students to be productive leaders and technology innovators in a global society. The department's faculty strives to achieve the highest quality in the design and delivery of the programs. The department has strong ties with local industry, government agencies, alumni and the community.

Departmental programs emphasize applied theoretical concepts, innovation and business processes. Classes consist of coordinated laboratory experiences and lectures.

## PROFESSORS CONDUCT NANOELECTRONICS RESEARCH, ESTABLISH NEW SYMPOSIUM

The NanoSystem Design Laboratory, directed by Dr. Saraju Mohanty (Computer Science and Engineering) and co-directed by Dr. Elias Kougianos (Engineering Technology), currently has three National Science Foundation (NSF) funded projects and one Semiconductor Research Corporation (SRC) funded project to advance research, education, and outreach in nanoelectronics. The projects are being jointly investigated by Dr. Mohanty and Dr. Kougianos. The NSF project, titled "Infrastructure Acquisition for Statistical Power, Leakage, and Timing Modeling Towards Realization of Robust Complex Nanoelectronic Circuits," started in 2009 and will conclude in 2012. Another NSF grant titled "Introduction of Nanoelectronics Courses in Undergraduate Computer Science and Computer Engineering Curricula," spanning the time period 2010-2013, supports nanoelectronics educational research. It will be used to advance nanoelectronics education methodologies and curricula. A SRC project, titled "Fast PVT-Tolerant Physical Design of RF IC Components," studies the effect of temperature on Radio Frequency circuits.

In order to increase the international visibility of UNT and to provide a continuous platform for quality student recruitment, Dr. Mohanty and Dr. Kougianos have established a new symposium, the International Symposium of Electronic System Design.