



# Adibi, Anderson Named as 2004 PECASE Honorees

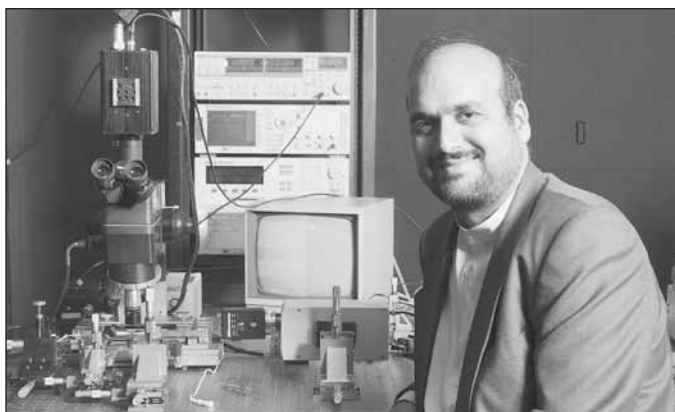
*Top U.S. Science/Engineering Awards Presented at the White House*

**A**li Adibi and David V. Anderson were presented with the 2004 Presidential Early Career Awards for Scientists and Engineers (PECASE), the nation's highest honor for promising young researchers within their areas of research, on June 13, 2005 at a White House ceremony. Fifty-eight researchers from the U.S. were honored at the event, presided over by John H. Marburger, III, science advisor to President George W. Bush and director of the White House Office of Science and Technology Policy. It is believed that this is the first time that two PECASE awards have been given to faculty in the same academic unit in the same year.

An associate professor in the optics and photonics and electromagnetics areas, Dr. Adibi was nominated by the U.S. Department of Defense for the PECASE Award. He was recognized for his research contributions to optical storage by exploring two-center

holographic recordings and his contributions to chip-scale all-optical information processing modules by exploring wavelength crystals and nanophotonic approaches. Additionally, Dr. Adibi's PECASE citation also lauds his excellence and dedication in teaching.

Nominated by NSF, Dr. Anderson was recognized for pioneering the design of embedded signal processing and control systems that perform significant processing in both analog and digital circuits. This research in cooperative analog-digital processing is enabling potential advances in low-power embedded systems and smart sensors, such as assistive devices for the hearing-impaired. An associate professor, Dr. Anderson specializes in computer engineering and digital signal processing and is involved with several interdisciplinary research centers. ■



*Ali Adibi is working with an automated setup for the detailed characterization of spatial and spectral properties of photonic crystals with very small feature sizes. Such miniaturized structures are very promising for integrated photonic circuits for applications such as optical communications and sensing.*



*David V. Anderson holds a prototype board for acoustic array processing. Computer monitors show development tools with code for configuring the array processing hardware.*

## *CHAIR, from page 2*

its first full-time GTL faculty members—Professors Abdallah Ougazaden and Paul Voss.

ECE has continued its leadership in international growth through burgeoning research and graduate initiatives in China and India which are discussed in the lead article of this newsletter. In addition to these initiatives, we are in the early stages of investigating opportunities in Singapore, where Georgia Tech has already established a campus. The existing Singapore program focuses on logistics and operates primarily in collaboration with the School of Industrial and Systems Engineering. Professor Chin-Hui Lee is currently acting as our agent to identify opportunities for ECE there.

Overall, many opportunities lay ahead as the School continues its efforts at globalization. These activities will serve as a market differentiator for us in the higher education arena. I anticipate some very exciting developments as we move forward. ■

## *INTERNATIONAL PLAN, from page 1*

be offered a single MS/PhD program in systems engineering with sub-disciplines including computing and information systems, electrical engineering systems, aerospace and vehicle systems, enterprise and governmental systems, biotechnologies, business management systems, and logistics/industrial systems. As with other international initiatives, these programs are expected to have full industry participation through sponsored research and cooperative internships. Here again, Georgia Tech students will receive their world-class education in the context of a culture that is emerging internationally as a major technological force.

"The international dimension of our educational program is an innovative complement to our existing areas of excellence," said Gary S. May, Steve W. Chaddick School Chair of ECE. "The role that ECE has played in establishing Georgia Tech's presence in key locations around the world is significant in advancing the Institute's strategic international agenda." ■