



Bits 'n Bytes



Clark Atlanta University
Department of Computer & Information Science

Editor's Corner. Greetings Everyone! The Department of Computer & Information Science is off to a very busy, very productive start this 2005-2006 academic year. We would like to welcome our incoming freshmen, the class of 2009; you've made two great choices in selecting Clark Atlanta University to continue your educational training and Computer Science as your major field of interest. Returning students and faculty are energized from their summer experiences whether it was research, internships, travel, or much needed rest. We have much to say about this and other things in this newsletter. Read on.

The Summer Was Hot! The CIS Department hosted two summer programs for high school students including the Summer Transportation Institute (STI) and the Intel Academic Pre-Season. The STI is a non-residential summer program sponsored by the Department of Transportation whose goal is to instill innovation, creativity, articulation, and novelty in future transportation leaders. The ___ season for the program was conducted from June 6 – July 1, 2005. Dr. Molnar of the CIS Department spurs the students' imagination, creativity, and innovation by introducing robotics as a solution to transportation problems. Students work in teams to build and program robots that maneuver paths which simulate roadways. The highlight of the STI activity is a competition in which the robot to successfully complete the course in the least amount of time wins.

Academic Pre-Season has a long history at CAU. This year it was sponsored by Intel. The goal of the program is to introduce students to the level of scholarship that college requires and to prepare them to successfully transition from high school to college life academically and socially. Students are required to take classes in English, Mathematics, and Physics, and they may choose Engineering or Computer Science as an elective. Dr. Shujaee conducted the Engineering and Prof. English the Computer Science components; both are members of the CIS Department. The engineering students learned basic electrical engineering concepts through the design and implementation of an alarm system. The computer science students learned basic software engineering principles and implementation using

JavaScript and HTML. The highlight of the program is the alarm system design competition for the engineering and the web design contest for the computer science students. Winners received a small cash reward.

New Graduate Studies Program. The Computer and Information Science Department is pleased to announce its new graduate studies program. Students with a computer science undergraduate degree can complete their work for a Master of Science Computer Science degree with 30 hours of course work that can be completed in 3 semesters (Fall – Summer). The degree offers a concentration in three areas – Computer Networks and Security, Computer Architecture, and Information Systems. These modifications were made to address the changing workplace environment, to provide potential employees with the advanced skill set employers need. The new program is designed to attract business professionals within the community who desire to advance their careers by offering most classes in the evening. More details can be found on our web site, www.cis.cau.edu, or you may call for a brochure, 404.880.6951.

Intelligence Community Center of Academic Excellence. The CIS Department here at Clark Atlanta University has been selected to participate in the Intelligence Community (IC) Centers of Academic Excellence (CAE). To date, only six schools have been accepted into this program. The Office of the Director of National Intelligence (ODNI) has established Centers of Academic Excellence to achieve U.S. intelligence and national security goals. The ODNI plans to partner with the CAEs to develop long-term academic relationships that can foster the critical skill sets needed by the IC. This is a win for our students. Congratulations to Dr. George for his hard work in securing this honor.

Community Outreach. The CIS Department will continue to reach out to the community and perspective students through innovative and stimulating programs. Don't be left out. Check our website and this newsletter for details. We are looking for opportunities to serve. Contact us via E-mail, cis@cau.edu, or call 404. 880.6951.