AT&T Fellowship in Modeling and Simulation

The University of Central Florida (UCF) is pleased to announce the availability of Two $25,000 fellowships for research in live simulation. Live simulation involves the technology and infrastructure needed to support real people interacting with real equipment in mock settings.

Examples may include military exercises using laser tag types of devices or mock disaster exercises for first responders. New requirements have outstripped the abilities of available technology, such as GPS, mobile telephones, and laser devices.

A partial list of research areas of interest include ad hoc networks (e.g., use of 802.16 and mobility); improvements in TCP/IP multicast (voice, video) in wireless networks; network solutions in noisy environments; frequency agile radios; smart antennas; power conservation strategies; RF compression for frequency conversion; correlation between the real and simulated environments; efficient algorithms for real time triangulation of data for position location; application of real time statistical methods in determining results; efficient signal coding methods for identification of people and equipment; efficient processing of pairwise line of sight calculations; small packaging of tracking systems; and approaches for indirect fire. Other related areas also are of keen interest.

Successful applicants for this fellowship will be currently enrolled at UCF in an accredited doctoral program, involved in (or about to be involved in) the research phase of their dissertation, and agree to be a full-time student for the term of this fellowship. UCF can make arrangements for successful candidates to conduct their research in Orlando, FL at an Army laboratory. Fellowships do not include a fee waiver. Tentative plan is for fellowships to be paid at $12,500 over each of the Fall 2007 and Spring 2008 semesters.

The applicant’s advisor or employer (if currently employed) must send a letter of commitment that this fellowship is consistent with the applicant’s program of research. Successful applicants will be subject to a background check and be required to submit periodic research progress reports.

In addition, applications for this fellowship must include the following:

- Resume
- A statement indicating area and status of current research
- A top level budget on how the funds are anticipated to be used (e.g., living expenses, research equipment, travel, publications)
- An anticipated start date which can be at the beginning or during a semester

Applications will be reviewed beginning January 5, 2007.

Please direct any inquiries to:

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Please submit applications to:

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