

## Quenton Bonds Awarded IEEE Fellowship Microwave Theory and Techniques (MTT-S) Fellowship



**(April 14, 2009)**

**Quenton Bonds**, a Ph.D. candidate in the Department of Electrical Engineering, has been selected as one of two winners from a nationwide pool of applicants to receive a IEEE Microwave Theory and Techniques (MTT-S) Graduate Fellowship for Medical Applications for 2009. The purpose of the prestigious award is to recognize and provide financial assistance to graduate students who show great promise in applying microwave engineering towards medical applications.

Quenton, a member of the RF Microsystems Research Group, was chosen for the award based upon his prior academic accomplishments and dissertation research "A Microwave Radiometer and Measurement Test Bed for Close Proximity Non-Invasive Biomedical Sensing Applications". This work is developing a unique approach for noninvasive biomedical sensing using non-contact radiometric sensors that could be integrated into the uniforms of military servicemen and astronauts. The fellowship award will be presented at a special luncheon during the 2009 International Microwave Symposium (IMS), from June 7-12, in Boston, MA.

*The University of South Florida is one of the nation's top 63 public research universities and one of only 25 public research universities nationwide with very high research activity that is designated as community engaged by the Carnegie Foundation for the Advancement of Teaching. USF was awarded \$380.4 million in research contracts and grants in FY 2008/2009. The university offers 232 degree programs at the undergraduate, graduate, specialist and doctoral levels, including the doctor of medicine. The USF System has a \$1.8 billion annual budget, an annual economic impact of \$3.2 billion, and serves more than 47,000 students on institutions/campuses in Tampa, St. Petersburg, Sarasota-Manatee and Lakeland. USF is a member of the Big East Athletic Conference.*

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