

Dr. Jing Wang Receives \$270,000 NSF GOALI Award



(August 18, 2009) — Dr. Jing Wang, assistant professor of electrical engineering in the USF College of Engineering and principal investigator in collaboration with Dr. Tom Weller, professor and associate dean of research and co-principal investigator were awarded a \$270,000 three-year NSF grant.

This GOALI industry-university project partners the University of South Florida and the University of Vermont with SRI International, an independent research institute with renowned expertise in sensor processing and packaging. Dr. Jeff Frolik and Dr. Mandar Dewoolkar from the University of Vermont will lend their expertise in communication systems and geotechnics, respectively, to strengthen the broader impacts of this collaborative research effort.

"Our collaborative research team is thrilled to receive this grant that supports the development of wireless interrogatable sensors with improved sensitivity and extremely low power consumption, which has always been one of our key research interests," said Dr. Wang. It is a great opportunity for the students to be involved in such a multidisciplinary project with an industry-university partnership and collaboration between several research groups with diverse expertise."

The grant supports Dr. Wang's and Dr. Weller's research efforts to advance inertial sensing in combination with remote RF interrogation technologies. The outcomes of the project will benefit wireless sensor system design, advance current state-of-the-art inertial sensing technology and yield fundamentally new approaches to remote sensing.

The Grant Opportunities for Academic Liaison with Industry (GOALI) Program aims to synergize university/industry partnerships by making funds available to support these linkages.

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.