Computer Science and Engineering Faculty Receive New Research Awards

TAMPA, Fla. (September 9, 2014) Three faculty members in the Department of Computer Science and Engineering have recently been awarded new federal grants.

Swaroop Ghosh, assistant professor, been awarded a three year grant by the National Science Foundation for the project titled "SaTC: Collaborative: Exploiting Spintronics for Security, Trust and Authentication". The total award is $499, 981 with $299,896 to USF. The techniques developed in this project will improve the security and energy-efficiency of future circuits and systems.

Yu Sun, assistant professor, has received a grant of $398,520 also from the National Science Foundation for the project "RI: Small: Functional Object-Oriented Network for Manipulation Learning". The project constructs a functional object-oriented network (FOON) to model the connectivity of the functional-related objects and their functional motions in manipulation tasks.

Yao Liu, assistant professor, has received a three-year grant from the DoD (Army Research Office) for $340,000. The project is focused on network security. It is titled: "Broadcast and High-power Reactive Jamming Resilient Wireless Communication".

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The University of South Florida is a high-impact, global research university dedicated to student success. USF is a Top 50 research university among both public and private institutions nationwide in total research expenditures, according to the National Science Foundation. Serving nearly 48,000 students, the USF System has an annual budget of $1.5 billion and an annual economic impact of $4.4 billion. USF is a member of the American Athletic Conference.

The College of Engineering at the University of South Florida is ranked at #72 among public institutions by U.S. News &World Report's 2015 engineering graduate school rankings. The college serves 4,600 students offering ABET-accredited undergraduate degrees in seven programs, as well as eleven masters and nine doctoral degrees. The College is actively engaged in local and global research activities with foci on sustainability, biomedical engineering, computing technology and transportation and for the fiscal year 2013-14 had $30.5 million in research expenditures. There are 124 tenured / tenure track faculty and 80 instructors and research faculty.

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