



Faculty Fellow Receives Two Awards

Small Business Innovation and Research

Boca Raton, Fla. (April 13, 2018) – Reza Azarderakhsh, Ph.D., assistant professor of CEECS and I-SENSE faculty fellow, is the founder of PQSecure Technologies. PQSecure, a startup at FAU Tech Runway, received a \$225,000 NSF SBIR award to commercialize research in the area of modern post-quantum cryptography in embedded devices. This SBIR Phase I project will design, develop and implement cryptographic algorithms that are suitable for small and resource-constrained devices employing hard and complex mathematical assumptions known to be classical- and quantum-safe. The project will also contribute to the ongoing standardization effort by the U.S. government and other international organizations.

Developing Solutions to Collect Private Data

Reza Azarderakhsh, Ph.D., I-SENSE faculty fellow and assistant professor in the Computer and Electrical Engineering and Computer Science Department, and University of South Florida's Jean-Francois Biasse, Ph.D., received the Florida Center for Cybersecurity Collaborative Seed Award. The \$74,000 award will enable the researchers to develop solutions for the collection of private data to make it mathematically impossible to violate users' privacy without relying on any trusted authority in the post-quantum era.

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