

## ARC awarded cybersecurity research contract from Department of Defense

FIU's Applied Research Center (ARC) was recently awarded a contract to support the U.S. Department of Defense (DoD) Test Resource Management Center (TRMC) in its mission to plan, assess and test cyberspace technology development, acquisition, fielding, and sustainment of defense systems for the Major Range and Test Facility Base (MRTFB).

search and testing as well as provide workforce development through a multi-disciplinary STEM (science, technology, engineering, and math) program at FIU. The CT<sub>3</sub>C facility has state-of-the-art servers, security tools and network infrastructure to simulate, monitor and provide response to real life security threats.

In parallel, ARC has also developed a unique STEM workforce development program to train and mentor FIU minority students in the area of cyberspace technologies. ARC works closely with TRMC and FIU faculty to identify and recruit talented FIU STEM students (Cyber Fellows) from relevant engineering and computer science disciplines. These Cyber Fellows support the research being conducted at ARC and participate in summer internships at TRMC facilities across the US.



Kick-off meeting

ARC hosted a post-award conference and kick-off meeting on June 30, 2016, at its facilities in Miami. The kick-off meeting included representatives from TRMC (Washington, DC), the Cyber Test Technology team (Eglin Air Force Base), PEO-STRI (Orlando, Florida), FIU faculty and FIU's Office of Research and Economic Development (ORED). The scope of work for the newly awarded 18-month contract includes development of a Security Agent testbed and a Kernel Q testbed as well as demonstration of a control center with integrated Security Agent and Kernel Q modules.

ARC developed the Cyberspace Technology Testing & Training Center (CT<sub>3</sub>C) to perform cyberspace technology re-



ARC's CT<sub>3</sub>C



Cyber Fellows with Dr. Himanshu Upadhyay (left) and Dr. Leo Lagos (right)

Since 2013, eighteen FIU students have participated in 10-week cyberspace internships at Point Mugu Naval Base in Southern California; Lockheed Martin in Orlando, Florida; Eglin Airforce Base in Orlando, Florida; the National Cyber Range in Orlando, Florida; and Georgia Tech Research Institute in Atlanta, Georgia. To date, a total of five FIU Cyber Fellows have obtained employment with Lockheed Martin (Orlando and Maryland) as a direct result of participation in the summer internships and the FIU program.

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