

# UNIVERSITY OF SOUTH FLORIDA

## *Major Research Area Paper Presentation*

Implantable medical devices (IMDs) are used for diagnosis, personal health monitoring, and personalized medicine. In the United States, an estimated 3.2 million total units of cardiac pacemakers, cardioverter-defibrillators, continuous glucose monitors, and neurostimulators are implanted each year. With the increase in availability and deployment of biomedical implants, the security and safety of these devices used for personalized treatment in a closed-