

Prof. Saraju Mohanty Guest Edits an ACM JETC Special Issue

Professor Saraju Mohanty was a guest editor for a Special Issue of ACM Journal of Emerging Technology in Computing (ACM JETC) published in March 2017. The special issue titled "Nanoelectronic Circuit and System Design Methods for Mobile Computing Era" presented a set of articles to cover design methods for nanoelectronic circuits and systems. To address new massive markets of the Internet of Things (IoT), high performance with energy constraints, low leakage dissipation, as well as reliability and security still remain critical challenges in the circuits and systems design. Imagine, the life of a battery in a smartwatch is a matter of only 24 hours! The special issue specifically presents design challenges and solutions facing current designers for fast performing, energy-efficient, and reliable computing platforms.



NanoSystem Design Laboratory (NSDL) recent Ph.D. graduate **Dr. Umar Albalawi** joined University of Tabuk, Saudi Arabia as an Assistant Professor. NSDL M.S. (Thesis) student member **Nagaraju Mukka** who received Outstanding Master's Student in Computer Engineering Award for year 2015-2016 joined Sirius XM Satellite Radio. NSDL Ph.D. candidate **Prabha Sundaravadivel** recently attended iREDEFINE workshop in Florida and presented her research as poster titled "Design of Application Specific Architectures for Smart Healthcare." Prabha, who has co-authored half a dozen of peer-reviewed articles, was funded for her travel. NSDL M.S. (Thesis) student member **Vandana Dhayal** recently defended her thesis titled "Exploring Simscape™ Modeling for Piezoelectric Sensor Based Energy Harvesters." NSDL members have recently published the following articles:

- Swing-Pay: One Card Meets All User Payment and Identity Needs, IEEE Consumer Electronics Magazine, Volume 7, Issue 1, January



Major Professor: Dr. Renée Bryce

Defense Date: March 20, 2017



Vandana Dhayal

Thesis: *Exploring Simscape™ Modeling for Piezoelectric Sensor Based Energy Harvesters*

Major Professor: Dr. Saraju Mohanty

Defense Date: March 21, 2017



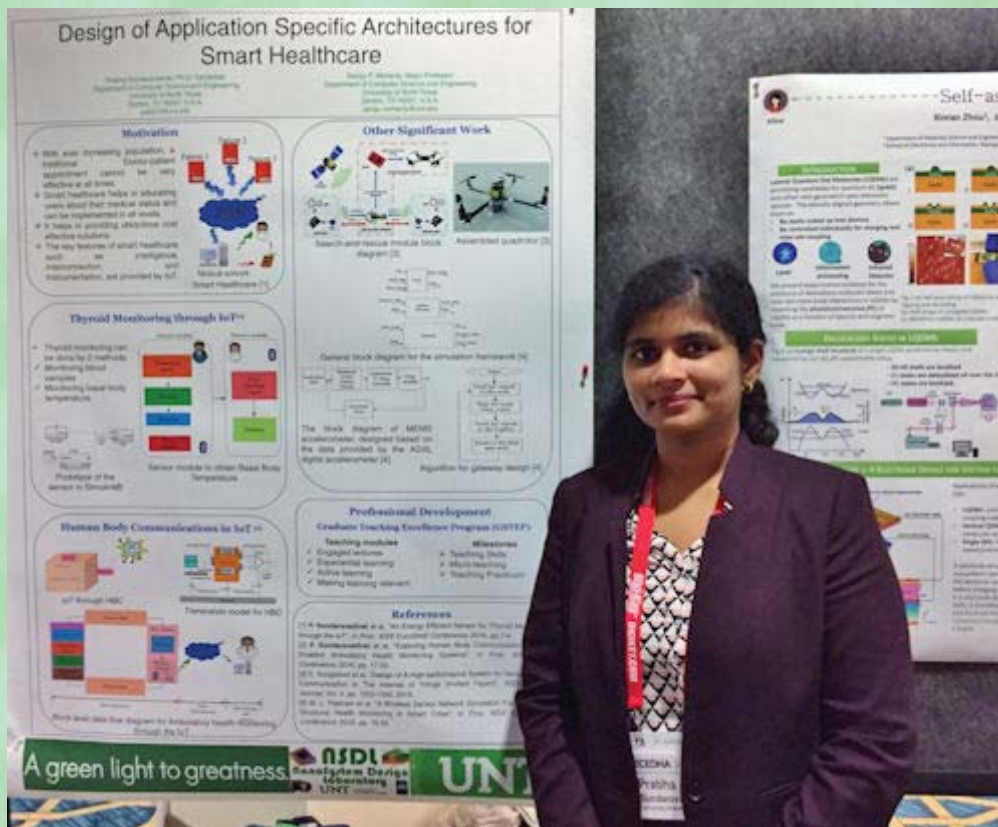
Krishna Chaitanya Sanagavarapu

Thesis: *Determining Whether and When People Participate in the Events they Tweet About*

Major Professor: Dr. Eduardo Blanco

Defense Date: March 24, 2017

Ph.D. student presents at ECEDHA Conference



Prabha Sundaravadivel, a Ph.D. candidate advised by Professor Saraju Mohanty from Nano System Design Laboratory (**NSDL**), was nominated for the 2017 **iREDEFINE workshop** which happened in cooperation with the ECE Department Heads Association (**ECEDHA**) at the ECEDHA Annual Conference during March 17-18, 2017 at Miramar Beach, Florida. The main focus of this workshop was to increase the participation of women and underrepresented minorities (W-URM) in the departments of Electrical and Computer Engineering in the US. As part of this initiative, 40 Ph.D. students were selected from Universities across the United States and Canada, and they were given guidance on effective teaching, writing NSF proposals, difference between various types of institutions and how to prepare application materials for a faculty position.

In addition to that, the workshop gave insights on the expectations from the hiring committees from different institutions. This two day workshop