

# UNIVERSITY OF NORTH TEXAS™

## COMPUTER SCIENCE & ENGINEERING

### ALUMNI NEWSLETTER



## Greetings from the CSE Chair



Dear CSE Alumni and Friends,

I want to share with you the outcome of our ABET accreditation visit this semester.

An ABET team came in early November and evaluated our B.A. in Information Technology and B.S. in Computer Science programs. While the results will not become official until summer, I believe that we have passed our accreditation with a few changes to our assessment process. Our next accreditation visit by ABET will be for all three of our undergraduate programs in 2019-2020. Thanks to all the faculty, students, alumni, and Advisory Board members who helped us achieve our accreditation!

We are hiring 3 faculty members this year to join us in Fall 2016, one in computer security, one in computer systems, and one lecturer. We have also been approved to develop an unfinished area of the building next to our current space that will expand our area by 1/3, making room for our new faculty hires and new research labs they will be establishing, as well as expanded space for our existing research labs.

In October 2015, our CSE Department sent the largest delegation of students and faculty ever to the Grace Hopper Celebration of Women in Computing. I am proud that CSE was so well represented this year in Houston! This would not have been possible without generous financial support. Please see my note about this below.

November 2015

**CSE News**  
**CSE Alumni News**  
**Student News**  
**College of Engineering News**  
**UNT News**

## Professor Mohanty receives Air Force Contract



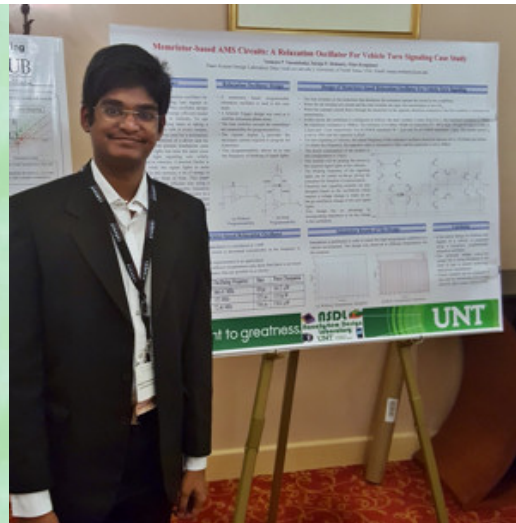
**Professor Saraju Mohanty** has been awarded a U.S. Air Force contract. The project titled "Memory Design Optimization for Low-Latency Embedded Vision Processor ( **LLEVS** )" is exploring options for fast memory optimization for application specific processors. More information about the contract is available at this [website](#) .

Professor Mohanty believes that the significant experience of his group on memory design and its optimization will lead to major success in developing energy efficient and high performance memory. The recent two patents granted to Dr. Mohanty have received widespread recognition. UNT Faculty Success published an article titled "Engineering Professors Awarded Multiple Patents to Innovate Integrated Circuit Design" which appeared in the latest [newsletter](#) .

The College of Engineering published this article "[Researchers Receive Patent for a Method for Designing Complex, Mixed-signal Circuits](#)" to discuss the new patent. Professor Mohanty has been inducted to the editorial board of IEEE Consumer Electronics Magazine as a senior editor. His responsibility as the senior editor is to oversee special issues for the magazine.

Ph.D. candidates/students from the NanoSystem Design Laboratory (NSDL) travelled to ACM/IEEE International Conference on Computer-Aided Design ( **ICCAD** ), held in Austin,

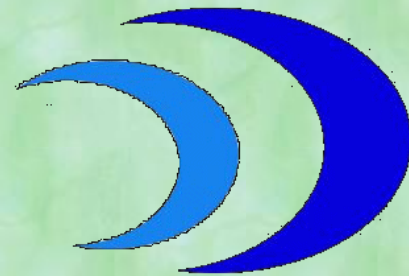
TX November 5-6, 2015. Prasanth Yanambaka, Shital Joshi, and Umar Albalawi attended. Prasanth and Shital would like to acknowledge travel support from the sponsors of the meeting: IEEE, Cadence, and Intel. Umar acknowledges support of the Saudi Arabian Cultural Mission for his travel. The following two papers were presented at Austin:



- S. Joshi, S. P. Mohanty, and E. Kougianos, "Unconventional EDA for Mixed-Signal Circuits: A Graphene FET based LC-VCO Case Study", *Frontiers in Analog CAD (FAC): International Workshop on Design Automation for Analog and Mixed-Signal Circuits, ACM/IEEE International Conference on Computer-Aided Design (ICCAD)*, November 5-6, 2015.
- P. V. Yanambaka, S. P. Mohanty, and E. Kougianos, "Memristor-based AMS Circuits: A Relaxation Oscillator For Vehicle Turn Signaling Case Study", *Frontiers in Analog CAD (FAC): International Workshop on Design Automation for Analog and Mixed-Signal Circuits, ACM/IEEE International Conference on Computer-Aided Design (ICCAD)*, November 5-6, 2015.

## NSF Net-Centric & Cloud Software & Systems (NCSS) Industry & University Cooperative Research Center (I/UCRC) News

The Net-Centric I/UCRC has a new Administrative Specialist, **Melanie Dewey**. She will be helping the Center Director, **Dr. Krishna Kavi**, and the Managing Director of the center, **Mr. David Struble**. Melanie's primary duties are marketing the center and recruiting new companies for membership.



The semi-annual Industrial Advisory Board meeting of the