Greetings from the CSE Chair

Dear CSE Alumni and Friends,

The Spring 2017 semester has begun and I am happy to share the news about our Department of Computer Science and Engineering. I want to announce that Dr. Kathleen Swigger, Professor, retired after 36 years of service. She joined the "Department of Computer Sciences," then in the College of Arts and Sciences, in 1980. Please read about Dr. Swigger below. We thank her for her service and wish her the best in retirement!

We have several Distinguished Speakers scheduled in February. Alumni are always welcome to attend. Also this month, we are hosting the Texas Software Engineering Research Doctoral Symposium. For the first time, we are offering courses in Spring 2017 at New College at Frisco for a certificate in game programming. We plan to offer courses in cybersecurity and data science in the future.

Since the number of students continue to grow in our department, we are recruiting three new faculty members for Assistant/Associate Professor positions for Fall 2017 in computational life science, computer engineering, and computer security. We are expanding our space here at Discovery Park with new labs and faculty offices and labs being built at the end of our hallway.

In Alumni News, Zina Ashby Townley is featured in our Alumni Focus. Finally, I want to invite you to our 45th anniversary celebration of the
Prof. Saraju Mohanty Chairs IEEE-iNIS 2016 at Gwalior, India

Professor Saraju Mohanty is currently the Editor-in-Chief of the IEEE Consumer Electronics Magazine. He was the general chair for 2nd IEEE International Symposium on Nanoelectronic and Information Systems (IEEE-iNIS 2016) which was held during December 21-23, 2016 at Gwalior, India. iNIS has been initiated as a sponsored meeting of IEEE-CS Technical Committee on VLSI that endorses a league of successful meetings such as ASAP, ISVLSI, and ARITH. The conference had 3 keynote speakers from universities in the U.S., India and research Institute of France. This is the second time he has been the general chair for iNIS which brought significant visibility to UNT. IEEE Women in Engineering was a new initiative started in this conference this year and continues to become a separate session in the future years. The conference proceedings were published by IEEE-CS conference publication services (CPS). NSDL Ph.D. student Prashanth Yanambaka travelled to iNIS 2016 to present his research findings.

In other news from NanoSystem Design Laboratory (NSDL), Dr. Jawar Singh from IIT Jabalpur, India visited NSDL research under a theme "Exploring Emerging Technology based Energy Efficient IoT Sensors for Smart Cities" which was funded by Building Energy Efficiency Higher &
Advanced Network (BHAVAN) Fellowship Program of Indo-US Science and Technology Forum (IUSSTF), 2016. The funding covered a semester of Research Assistantship, health insurance, round-trip flight charges, and a conference travel support. This is a strong example of active International Collaboration of NSDL/UNT with Indian Universities. All the students are engaged in cutting edge research in areas of hardware security and healthcare using Internet of Things. NSDL student members

More NSDL student news: **Umar Albalawi** defended his Ph.D. dissertation titled "New Frameworks for Secure Image Communication in the Internet of Things (IoT)" in Summer 2016. He joined as an Assistant Professor at the University of Tabuk, Saudi Arabia. NSDL student member **Nagaraju Mukka** received Outstanding Master’s Student in Computer Engineering Award for year 2015-2016 and defended his thesis titled "Simulink® Based Modeling of A Multi Global Navigation Satellite System" in Summer 2016. **Gunasekhar Aluru** defended his thesis titled "Exploring Analog and Digital Design Using Open-Source Electric VLSI Design System." In the last year, members of NSDL published a total of 17 journal/conference articles. A selected example include the following:


Laboratory for Recreational Computing. The evening celebration features an award ceremony honoring past alumni and current students, talks from respected speakers, and dinner.

Student News

Congratulations to CSE Ph.D. graduates

Umar Albalawi
Dissertation: New Frameworks for Secure Image Communication in the Internet of Things (IoT)
Major Professor: Saraju Mohanty
Assistant Professor in computer science department at University of Tabouk in Saudi Arabia

Garima Bajwa
Dissertation: Sensing and Decoding Brain States for Predicting and Enhancing Human Behavior, Health, and Security
Major Professor: Ram Dantu
Faculty member at Capitol Technology University in Laurel, MD

Angel Bravo-Salgado