Dear CSE Students,

I want to welcome you to our CSE Department in Fall 2014 and invite you to our CSE picnic on Monday, September 15, beginning at 11:30 am. Welcome to our new faculty members
Welcome to our newest CSE lab directed by Dr. Hassan Takabi!

- Our undergraduate intern from Thailand, Taweekiat Trongwongsa, was named winner of the Summer Undergraduate Program in Engineering Research poster presentation for his poster titled "Detection and Validation of Identity Cloning and Fake Profile Attacks in Social Networks."

- Dr. Takabi traveled to Japan to attend the 9th ACM Symposium on Information, Computer and Communications Security (ASIACCS 2014) and workshops where he presented the paper "Privacy Aware Access Control for Data Sharing in Cloud Computing Environments."

- Four new graduate students (Parisa Kaghazgaran, Yassir Hashem, Masoud Narouei, and Suraiya Tairin) join the lab in Fall 2014. Yassir is recipient of SFS Scholarship and will be co-advised by Dr. Takabi and Dr. Dantu.

- Dr. Lei Chen, Associate Professor of Computer Science at Sam Houston State University, joins the lab as visiting scholar for Fall 2014 semester.

- Our joint work with researchers from University of Pittsburgh titled "Exploiting Users’ Inconsistent Preferences in a Social Network System to Discover Private Friendship Links" was accepted in ACM CCS-WPES 2014.

- Dr. Takabi serves as panels chair of the ACSAC 2014 and Poster/Demo co-Chair of the ACM CCS 2014.

Professor Mohanty has been elected as the Chair of TCVLSI, IEEE-Computer Society, and Other News from NSDL

Professor Saraju Mohanty has been elected to serve as the Chair of Technical Committee on Very Large Scale Integration (TCVLSI), IEEE Computer Society (IEEE-CS). He has been elected for the term September 1, 2014 to August 31, 2016. TCVLSI addresses the interaction among the various key aspects of VLSI design including
circuit-level design, system-level design, semiconductor process as well as the computer-aided design techniques. It deals with digital circuits, analog circuits, and mixed-signal circuits. The emphasis of TCVLSI falls on integrating the design, computer-aided design, fabrication, application, and business aspects of VLSI while accounting both hardware and software. TCVLSI sponsors conferences, special sessions, and workshops for the IEEE-CS and in effect serves as the quality control watchdog. This is a unique recognition of technical leadership of Dr. Mohanty in the area of VLSI and nanoelectronics. It will bring significant visibility to UNT.

As a General Chair ISVLSI 2014, Dr. Mohanty distributes a best paper award.

In other news from the NSDL, Dr. K. K. Mahapatra, Professor and Dean (Academics), National Institute of Technology (NIT), Rourkela, visited NSDL during Summer 2014. He was sponsored under Technical Education Quality Improvement Programme of Government of India (TEQIP) for visiting a reputed lab/institute in USA. He interacted with various members of NSDL for future research collaboration.

Dr. Mohanty served as a general chair for IEEE Computer Society Annual Symposium on VLSI, held in Tampa, Florida, USA, July 9-11, 2014. The event was very-well attended by participants all over the world. ISLVIS 2014 had approximately 100 talks and presentations and 4 keynote talks from leaders from academia and Industry.

Two students from NSDL defended their PhD dissertation and MS thesis. Karo Okobiah successfully defended his PhD dissertation titled "Geostatistical Inspired Metamodeling and Optimization of Nanoscale Analog Circuits." Anthony Hanson defended his MS thesis titled "General Purpose Computing in GPU - A Watermarking Case Study." NSDL welcomes several new PhD students and MS thesis student members in Fall 2014. In the year so far, the NSDL members have published 14 journal/conference papers, and selected are the following:


News from Trusted Secure Systems Lab (TSSL)

TSSL has had a busy and productive year so far in 2014. We have published 5 peer-reviewed journal and conference articles and one book chapter. We also have several articles under submission. The published articles and book chapters are:

- Glitch resistant private circuits design using HORNS (Mahadevan Gomathisankaran, Akhilesh Tyagi), In 2014 IEEE Computer Society Annual Symposium on VLSI
Ph.D. Graduates in Spring 2014

Qiang Guan
Dissertation: *Autonomic Failure Identification and Diagnosis for Building Dependable Cloud Computing Systems*
Major Professor: Song Fu

ChiaEn Lin
Dissertation: *Performance Engineering of Software Web Services and Distributed Software Systems*
Major Professor: Krishna Kavi

Oghenekarho Okobiah
Dissertation: *Geostatistical Inspired Metamodelling and Optimization of Nanoscale Analog Circuits*
Major Professor: Saraju Mohanty and Co-Major Professor: Elias Kougianos

PhD Graduates in Summer 2014

Jonathon Doran
Dissertation: *Procedural Generation of Content for Online Role Playing Games*
Major Professor: Ian Parberry
Satyajeet Nimgaonkar


Major Professor: Mahadevan Gomathisankaran
and Co-Major Professor: Saraju Mohanty

Martin Joseph O'Neill II

Dissertation: A Computational Methodology for Addressing Differentiated Access in Response Plan Design

Major Professor: Armin Mikler

Jorge A. Reyes Silveyra

Dissertation: Modeling Epidemics on Structured Populations: Effects of Socio-Demographic Characteristics and Immune Response Quality

Major Professor: Armin Mikler

CSE Students defend Dissertations and Theses

Congratulations to these PhD students for successfully defending their dissertations!

Yiwen Wan

Dissertation: Trajectories as a Unifying Cross Domain Feature for Surveillance Systems

Major Professor: Dr. Bill Buckles

Defense Date: June 25, 2014

Patrick Burke

Dissertation: A New Look at Retargetable Compilers
Congratulations to these MS students for successfully defending their theses!

**Anthony Hanson**

Thesis: *General Purpose Computing in GPU — A Watermarking Case Study*

Major Professor: Dr. Saraju P. Mohanty

Defense Date: May 1, 2014

**Sarada Karlaputi**

Thesis: *Evaluating the Feasibility of Accelerometers in Hand Gestures Recognition*

Major Professor: Dr. Robert Akl

Defense Date: July 10, 2014.

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