

# UNIVERSITY OF NORTH TEXAS

## COMPUTER SCIENCE & ENGINEERING

### ALUMNI NEWSLETTER



February 2012

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## Greetings from the CSE Chair



Dear CSE Alumni and Friends,

Great news to share with you in Spring 2012! Our Center for Information and Computer Security was named as one of the reasons the City of Denton was selected as one of the top U.S. cities in data security. We are now interviewing faculty candidates, some of whom work in security, and we plan to build upon our expertise in this area along with computer systems and intelligent systems through our future faculty hires.

Ferda Nur Alpaslan is our Alumni Focus in this issue. Dr. Alpaslan graduated with her PhD in Computer Science in 1993. As you will read, she is still involved with her major professor, Dr. Kathleen Swigger. Two more recent CSE alumni, Gary (Trey)Tartt and Cesar Ferrigno have formed smallToast and have developed an unofficial UNT app for mobile devices.

Our CSE Department is going to celebrate National Engineers Week February 20-24. You are invited back to be a "Professor for a Day" during that week. We welcome the opportunity to have you talk about your career experiences in Computer Science or Computer Engineering fields in our classes. If you can't come during National Engineers Week, you are invited to come when it is convenient for you. We are making plans for our 40th anniversary and would really like to have our alumni help us in planning it. Please contact me if you would like to be involved in this event.

Barrett Bryant  
Professor and Chair

## Department of Computer Science and Engineering News

Chuck Flores, **LARC Alumnus #38** was a game programmer for the Facebook game **Castleville** being sold by **Zynga**.

Thanks to Larry Sullivan, Director of Engineering at Microsoft and a 1992 BS in Computer Science graduate at UNT, for donating 10 Kinect sensors to LARC in September 2011. These will be used by students in Dr. Parberry's **Game Programming classes**, where students will learn how to use the Kinect SDK to add motion sense technology to their games.

## Dr. Mohanty appointed General Chair of ISVLSI 2012

**Dr. Saraju Mohanty** has been appointed as the General Chair of the IEEE Computer Society Annual Symposium on VLSI. **ISVLSI 2012** will be held at the University of Massachusetts in Amherst, August 19-21, 2012. Dr. Mohanty believes that this is a true demonstration of the leadership VLSI research undertaken at NanoSystem Design Laboratory (**NSDL**) and the event will bring significant visibility to UNT.



In other news from NSDL, student member **Oleg Garitselov** traveled to Hyderabad, India during the first week of January 2012. He presented two papers and received very important international exposure. The following two papers were presented:

- O. Okobiah, S. P. Mohanty, E. Kougianos, and O. Garitselov, "Kriging-Assisted Ultra-Fast Simulated-Annealing Optimization of a Clamped Bitline Sense Amplifier", in Proceedings of the 25th IEEE International Conference on VLSI Design (VLSID), pp. 310-315, 2012.
- O. Garitselov, S. P. Mohanty, and E. Kougianos, "Fast-Accurate Non-Polynomial Metamodeling for nano-CMOS PLL Design Optimization", in Proceedings of the 25th IEEE International Conference on VLSI Design (VLSID), pp. 316-321, 2012.

Dr. Mohanty also presented the following paper in Kochi India: O. Garitselov, et al., "Bee Colony Inspired Metamodeling Based Fast Optimization of a Nano-CMOS PLL", in Proceedings of the 2nd IEEE International Symposium on Electronic System Design (ISED), pp. 6-11, 2011.

A U.S. patent was issued to Dr. Mohanty in November 2011 with title "Methods and Devices for Enrollment and Verification of Biometric Information in Identification Documents", US Patent Number: 8058972.

## Dr. Paul Tarau presents papers