

UNIVERSITY OF NORTH TEXAS™

COMPUTER SCIENCE & ENGINEERING

ALUMNI NEWSLETTER



Greetings from the CSE Chair



Dear CSE Alumni and Friends,

At the end of our Spring 2015 semester, I want to share some news from our CSE Department.

We have hired a new faculty member this year with an active NSF Career Award. According to the NSF website, the Career Award is one of the "most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research." Dr. Hyunsook Do will join us in Fall 2015. You may read more about her below.

We are proud to announce that Dr. Renee Bryce has received the Undergraduate Research Mentoring Award from the National Center for Women & Information Technology. Dr. Bryce has been very involved with our undergraduates, including undergraduate women, to achieve student accomplishment and professional success. Dr. Bryce and her students regularly attend the **Grace Hopper Celebration of Women in Computing**, which we have been a Bronze Sponsor of the past two years. This year the Grace Hopper Conference will be held in October 2015 in Houston. We are again a Bronze Sponsor and want to have a major presence at this conference in our home state. We need your help to accomplish this goal. If you or your company can contribute to help our women students attend, please contact me as soon as possible in order for us to make plans now.

Please read all the news below about our undergraduate students presenting their projects at CSE Design Day; Robocamp is in full swing; and our Workshop on Hot Topics in Networking and Security. In Alumni News, Michelle Biggs is featured in our Alumni Focus

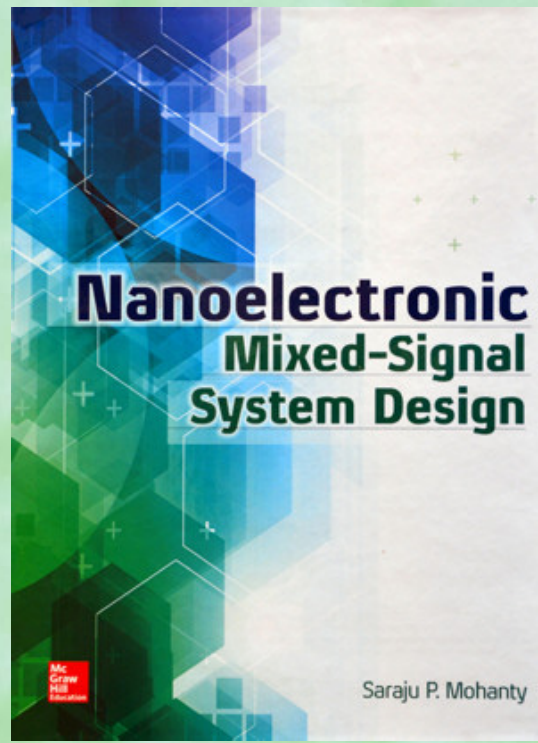
July 2015

CSE News
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Student News
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UNT News

Prof. Mohanty publishes a Major Textbook with McGraw-Hill and initiates a New Letter for IEEE-CS

Professor Saraju Mohanty has published a comprehensive textbook on Nanoelectronic **Nanoelectronic Mixed-Signal System Design** was published by McGraw-Hill under the ISBN: 978-0071825719 and 0071825711 in 2015. This is 800-page text with 700 illustrations comprehensively covers all aspects of Nanoelectronic VLSI Circuits and Systems.

The book discusses mixed-signal circuit and system design based on both existing nanoscale CMOS and emerging nanoelectronic technologies. The book presents the important issues, challenges, and solutions for digital, analog, and mixed-signal designs which have significant usage in daily applications like smart mobile phones. The key techniques which are required for design for excellence, power, variability, and manufacturability are discussed in this practice-driven text. It discusses design flow as well as simulation methods needed for Nanoelectronic VLSI Circuits and Systems.



The book is adopted by CSCE 4730/5470 as well as CSCE 6731 courses in the Department of Computer Science and Engineering at the UNT College of Engineering. The book will provide nanoelectronic system learning opportunities for hundreds of students at the College of Engineering at UNT. Professor Mohanty has plans to make companion lecture slides available after approval from publisher in the future. Based on the feedback Professor Mohanty has received from various conferences that he has attended, the book will be widely adopted at other universities in the USA, Europe and India.

Professor Mohanty has initiated a new letter for the Technical Committee on Very Large Scale Integration (**TCVLSI**), IEEE Computer Society (**IEEE-CS**). The letter called "VLSI Circuits and Systems Letter" is meant for fast dissemination of finding new research, presenting opinions of leading researchers, publicizing various conferences, and engaging in education and outreach. The inaugural issues are available [HERE](#) . Professor Mohanty who chairs TCVLSI invites students and faculty to join TCVLSI. There is no fee to join. Click [HERE](#) to join TCVLSI.

In other news from NanoSystem Design Laboratory (**NSDL**), PhD student Umar Albalawi has cleared the qualifier examination and now becomes a PhD candidate. PhD student Shital Joshi is in the process of taking his qualifier examination. PhD student V. Prasanth

Yanambaka traveled Santa Clara, CA to present the following paper: S. P. Mohanty, E. Kougiannos, and V. P. Yanambaka, "Ultra-Fast Process-Aware Design Optimization of PLL using Bootstrapped Kriging and PSO", in Proceedings of the 16th International Symposium on Quality Electronic Design, pp. 239–242, 2015.

CSE UNT Computer Science & Engineering Alumni
 Summer's Technology Through Today's Education

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Write something...

Donald Alan Retzlaff
 Department History

I've been asked by our Interim Chairman, Ian Parberry, to put together a webpage for the department that lists key events in this history of the department. I'm therefore soliciting the help of our alumni to help jog my memory as to the key events in the department. If you remember specific events and when they happened, please post them here. Thanks for everyone's help.

Like · Comment · Unfollow Post · October 6, 2009 at 5:53pm

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Yvonne Cox Breland When was the first year the computer science degree was offer as a B.S. degree?
 August 7 at 1:22am · Like

Will O'Neill LOL..... believe it or not, I STILL have my boxes of punch cards from my ALC class..... and Don..... arfi arfi
 September 13 at 11:03pm · Like

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CSE Alumni News

Alumni Focus - Michelle Biggs (B.S. 1992)

When my Junior High offered its first computer math class, I signed up right away and began learning how to program in Basic. I was immediately hooked and knew right then that I wanted to study Computer Science in college. When UNT offered me a scholarship after high school, I jumped at the chance to study at one of the best Computer Science programs in the area!