

Mohanty, Saraju

From: csnewsletter@unt.edu
Sent: Monday, September 17, 2012 2:41 PM
To: CSEInstructors
Subject: September 2012 CSE Student Email Newsletter

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Department of Computer Science and Engineering News

B.S. in Computer Science accredited by ABET

Welcome picnic on September 19

Dr. Kavi's Center wins Tech Titan award

Welcome New CSE Faculty

Under Prof. Mohanty's Leadership, UNT gets Major Visibility at International Conference

Visiting Scholar at Computer Vision and Intelligent Systems Lab

News from Dependable Computing Systems Lab

LARC News

News from Software Engineering Language Lab

Software Testing Lab receives new grant

Convergence Technology Center Upgraded

CSE receives grant from STARS Alliance

CSE Summer Camps

Student News

Congratulations to CSE graduates

Students defend M.S. Theses

CRA-W/CDC Computer Architecture Summer School Experience

Tommy Janjusic's summer internship at Oak Ridge National Laboratory

CSE Undergraduate Student co-authors paper

Advising Corner

Career Fair at Discovery Park on September 27

CSE Help Lab moved to F208

Geek Week welcomes CSE students

College of Engineering News

CSE students serve as CENG Ambassadors

BSET-Construction Engineering Technology Program receives ABET Accreditation

National Academy of Engineering Member joins UNT faculty

Greetings from the CSE Chair

Rodney Nielsen joins the CSE Faculty as an Associate Professor. Dr. Nielsen received a dual Ph.D. in Computer Science and Cognitive Science from the University of Colorado, Boulder in 2008. Before coming to UNT, Dr. Nielsen was an Assistant Professor Adjunct in the Computer Science Department at CU, a Research Scientist in CU's Center for Computational Language and Education Research, and a Research Scientist with Boulder Language Technologies.



Dr. Nielsen's research is primarily in the areas of Machine Learning, Computational Semantics, **Natural Language Processing**, and the application of these fields to **Educational Technology**, Health Informatics, Companion Robots, and End-User Development.

In Fall 2012, Dr. Nielsen is teaching Natural Language Processing (CSCE 5290). More information about Dr. Nielsen is available at his [website](#). ↑

Under Prof. Mohanty's Leadership, UNT gets Major Visibility at International Conference



Prof. Mohanty (center) with his Ph.D. students Karo Okobiah (left) and Geng Zheng (right) at ISVLSI 2012.

Prof. Saraju Mohanty was the conference chair for IEEE-CS International Symposium on VLSI 2012 (**ISVLSI 2012**) which was held in Amherst, MA August 19-21, 2012. As the general chair, he provided leadership role for ISVLSI 2012. Prof. Mohanty was guest editor for two special issues in highly visible international journals. One special issue titled Power, Parasitics, and Process-Variation (P3) Awareness in Mixed-Signal Design appeared in ASP Journal of Low-Power Electronics, Volume 8, Issue 3, June, 2012. Another special issue titled New Circuit and Architecture Level Solutions for Multidiscipline Systems appeared in ACM Journal on Emerging Technologies in Computing Systems (JETC), Volume 8, Issue 3, August, 2012.

Two of Dr. Mohanty's students Geng Zheng and Karo Okobiah also

attended ISVLSI 2012. Both Geng and Karo are Ph.D. candidates and pursuing research in the areas of nanoscale CMOS mixed-signal metamodeling and Verilog-AMS modeling, respectively under the supervision of Prof. Mohanty. Their presentations at ISVLSI 2012 included the following papers:

- G. Zheng, S. P. Mohanty, and E. Kougianos, Metamodel-Assisted Fast and Accurate Optimization of an OP-AMP for Biomedical Applications
- O. Okobiah, S. P. Mohanty, and E. Kougianos, Geostatistical-Inspired Metamodeling and Optimization of Nano-CMOS Circuits
- O. Okobiah, S. P. Mohanty, E. Kougianos, O. Garitselov, and G. Zheng, Stochastic Gradient Descent Optimization for Low Power Nanoscale CMOS Thermal Sensor Design



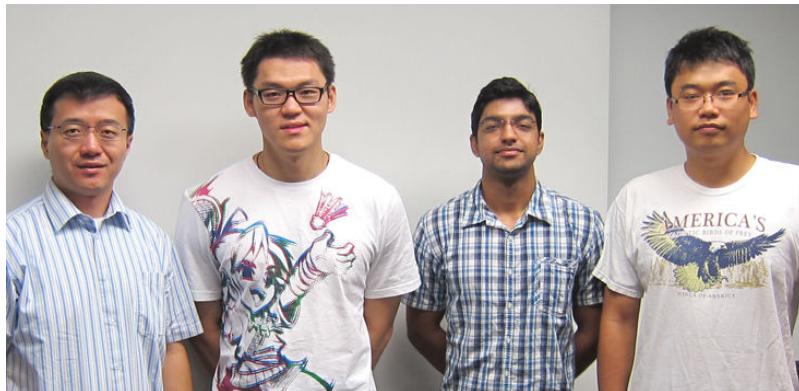
Visiting Scholar at Computer Vision and Intelligent Systems Lab

For the past three months, **Dr. Anusha Chennamma** has been a visiting scholar at the Computer Vision and Intelligent Systems Lab (CoVIS). She is currently an Assistant Professor at the Sri Jayachamarajendra College of Engineering in India. She received her Ph.D. in Computer Science and Technology in 2011. Her expertise is in image processing and computer vision. She has done several research projects including face image recognition and image authentication, and received awards and scholarships from conferences and the government of India. During her stay at UNT, she will be working with graduate student Mohan Velagaleti on automatic gaze tracking using web cameras. ↑



Dr. Xiaohui Yuan, Director of CoVIS, and Dr. Anusha Chennamma

News from Dependable Computing Systems Lab



(L-R): Dr. Fu, Ziming Zhang, Devender Singh, and Qiang Guan

Dr. Song Fu, Director of the DCS Lab, has been appointed as the Program Chair of the 31st IEEE International Performance Computing and Communications Conference. **IPCCC 2012** will be held in Austin, December 1-3, 2012. Dr. Fu believes this event will bring significant



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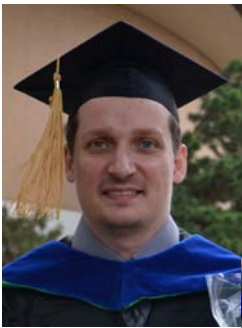
Meet our Fall 2012 Teaching Fellows,
Teaching Assistants and Graders

Student News

Congratulations to CSE graduates

Congratulations to all of our Department of Computer Science and Engineering graduates in [Spring 2012](#) and [Summer 2012](#).

Ph.D. Graduates in Spring 2012



Oleg Garitselov

Dissertation: "Metamodeling-based Fast Optimization of Nanoscale AMS SoCs"

Major Professor: Saraju Mohanty



Balathasan Giritharan

Dissertation: "Incremental Learning with Large Datasets"

Major Professor: Xiaohui Yuan