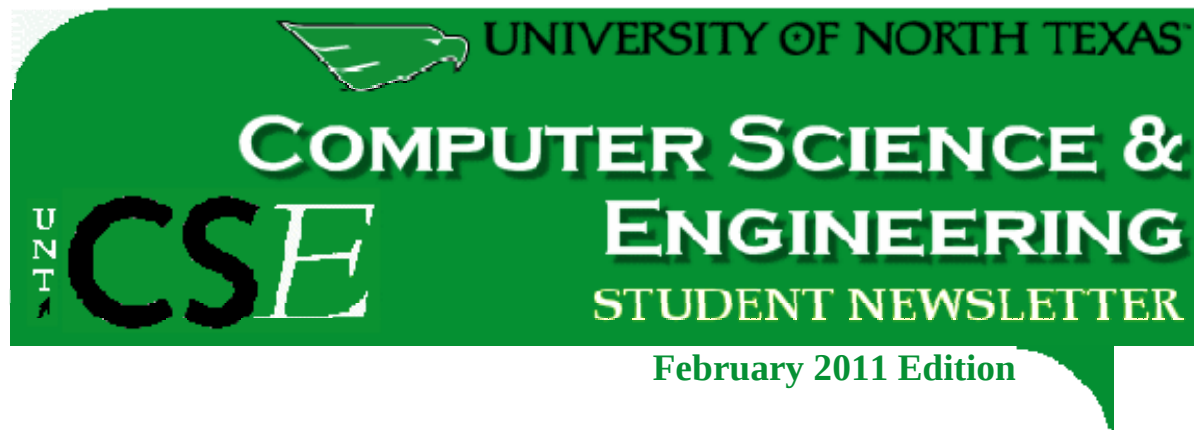


Mohanty, Saraju

From: csenewsletter@unt.edu
Sent: Monday, February 14, 2011 5:38 PM
To: CSEInstructors
Subject: February 2011 CSE Student Email Newsletter

If you would like to view this email in a browser, visit
http://www.cse.unt.edu/people/StudentNewsletters/2011_Feb_StudentEmailNewsletter.html



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Greetings from the CSE Interim Chair

Dear CSE Students,

Here's what's new in Spring 2011: Several CSE faculty members are featured in the 2011 edition of *UNT Research*. Dr. Saraju Mohanty's research in nanoelectronics was also featured in the *Texas Innovator*, a publication of the Texas Comptroller. Our Game Programming students are collaborating with art students at Gallaudet University. The CSE Department hosted the regional competition for the North American Computational Linguistics (NACLO) on February 11, 2011.



Congratulations to Tina Johnson and Tamara Schneider, Dr. Mikler's students who received their doctoral degrees at the UNT commencement in December. Two of Dr. Huang's students have defended their dissertations and will graduate with their doctoral degree soon. I'd also like to recognize Yiwen Wan for receiving the WTS scholarship because only one of these awards is presented each year to a graduate student in the Texas-Oklahoma region.

You are invited to join the many extracurricular activities that are offered by our CSE Department and the College of Engineering. The two groups featured in this newsletter, the UNT Robotics Society and the Society of Hispanic Professional Engineers, are some of the many organizations in which you can participate. Find out more when the Council of Engineering Organizations hosts its annual celebration of National Engineers Week February 21-25.

I hope you have a good semester in Spring 2011.

Ian Parberry
Professor and Interim Chair

Department of Computer Science and Engineering News

UNT Research features CSE faculty

UNT Research is a publication that focuses on science, scholarship and the arts at the University of North Texas. Several faculty members in the Department of Computer Science and Engineering are featured in the Spring 2011 issue.



Dr. Saraju Mohanty is featured in an article on Advancing Nanotechnology, "[At One Billionth of a Meter, Scientists Create on the Cutting Edge](#)". Dr. Mohanty is an associate professor in the Department of Computer Science and Engineering and director of CSE's

Nanosystem's Design Laboratory. Dr. Mohanty researches hardware design and is working to create batteries with a longer life.

Dr. Song Fu, CSE assistant professor, is featured in "[Faculty Researchers, UNT Welcomes New Experts](#)". Dr. Fu is the newest member of the CSE faculty and director of the [Dependable Computing Systems Lab](#). All new UNT faculty members are featured in this article.

Four CSE faculty members are featured in the [News Brief](#) section. Dr. Armin Mikler, CSE associate professor, is featured in the article titled "Emergency Response." Dr. Mikler has received a National Institutes of Health Stimulus grant to research the development of a regional response plan that can provide necessary health services to a population in the event of bioemergencies.

Also in the News Brief section in "Mining Historical Newspapers," the work of CSE associate professor, Rada Mihalcea, appears in a project funded by a grant for developing search models for digitized historical newspapers from the Office of Digital Humanities, a division of the National Endowment for the Humanities.

Dr. Bill Buckles, CSE professor, is featured further down in the same News Brief section. Dr. Buckles was awarded funds by the Norman Hackerman Advanced Research Program for "Adding Value to Sparse LiDAR Elevation Data." This project will work to fuse LiDAR data with visual images to building large-scale 3-D maps for potential use with construction projects or in disaster management and other areas that require the quick collect of topographic data.

Finally in the News Brief section, CSE assistant professor Dr. JungHwan Oh's research is featured in "Colon Cancer Screening." Dr. Oh is developing software to improve colonoscopies so polyps can be better detected and lives saved. Dr. Oh's funding includes a grant from the National Institutes of Health. ↑

CSE hosts NACLO 2011



The regional competition for the 2011 North American Computational Linguistics ([NACLO](#)) was hosted on February 11, 2011 by the Department of Computer Science and Engineering at the University of North Texas. Almost 30 high school students from North Texas participated in this competition.

NACLO is an educational competition in Computational Linguistics, the science of

designing computer algorithms to solve linguistic problems. It challenges students to develop strategies for tackling problems in fascinating real languages and formal symbolic systems.

Rada Mihalcea, Associate Professor, and Genene Murphy, Student Assistant, supervised this event, along with Carmen Banea, Samer Hassan, and Ben Leong. Special thanks to Kevin Roden, Assistant Director of Student Life, at Texas Academy of Mathematics and Science (TAMS) for providing McConnell Hall as a location for the competition.

To see more pictures of this competition, go to this [media gallery](#) page. ↑

Dr. Mohanty's research featured in Texas Comptroller's Publication *Texas Innovator*



As major milestone to UNT's cutting-edge research in nanoelectronics, **Dr. Saraju Mohanty's** research is featured the article "Longer battery life for the devices we love" in *Texas Innovator* which is a publication of the State of Texas Comptroller. Dr. Mohanty's research also appears in the article "Nanoelectronics of the Future" in the current version of *UNT Research*.

In the last semester, the research group from the NanoSystem Design Laboratory (NSDL), presented two papers at the International Symposium on Electronic System Design (ISED) which was held in Bhubaneswar, India. This is a blind review conference in which acceptance rate was 34%. Two papers with the titles "Nano-CMOS Mixed-Signal Circuit Metamodeling Techniques: A Comparative Study" and "Design of a Reconfigurable Embedded Data Cache" were presented. The ISED symposium provided major visibility to UNT in the eastern part of India. The event ISED was well covered by several leading newspapers including *The Times of India*, *The New Indian Express*, and *Orissa Today*. ↑

Game Programming classes collaborate with Gallaudet University students