

Mohanty, Saraju

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UNIVERSITY OF NORTH TEXAS™

COMPUTER SCIENCE & ENGINEERING

ALUMNI NEWSLETTER



Greetings from the CSE Interim Chairman



Dear CSE Alumni and Friends,

In Spring 2011, several CSE faculty members are featured in *UNT Research*, a publication that focuses on science, scholarship and the arts at UNT. 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 recently hosted the regional competition for the North American Computational Linguistics Olympiad (NACLO).

Ranette Hudson Halverson is our Alumni Focus in this edition. Dr. Halverson graduated with a Ph.D. in Computer Science in December 1993 and now serves as Professor and Chair of the Department of Computer Science at Midwestern State University (MSU) in Wichita Falls, Texas where she has had a distinguished career.

In our Student News section, Dr. Armin Mikler had two students graduate with their doctoral degrees in December and Dr. Yan Huang had two students defend their

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dissertations. Congratulations to 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 back to UNT to participate in our CSE Department. Find out below how you can help our UNT Robotics Society or be a "Professor for a Day." We welcome your participation and look forward to seeing you again. Thanks for supporting CSE and UNT!

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

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*.