

Highlights

Second Annual CS Industrial Advisory Board Meeting held on May 5th at The FedEx Institute of Technology (Room #407).

MS and PhD degrees in Computer Science will be offered (instead of Mathematical Sciences with 'concentration in CS') effective August, 2006.

Teaching fellowships are awarded to 9 outstanding CS graduate students for the 2006-2007 academic year to support the NSF-funded project, Tri-P-LETS (PI: Dr. Linda Sherrell). Tri-P-LETS project provides an enhanced programming curriculum and guidance to Memphis area high school teachers. Tri-P-LETS is funded by NSF DGE.

Prof. Max Garzon, M. Raboudi and A. Neel developed an e-voting system for the [Student Government Association](#) (SGA) at UofM. Student turnout has increased nearly 10-fold in 2005-06.

Center for Information Assurance

Prof. D. Dasgupta leads the multidisciplinary efforts in establishing the [Center for Information Assurance](#) (CfIA) to advance IA education on the campus and in the region, focusing on issues and solutions to



threats to cyber infrastructure. The CfIA and CISCO had a meeting in March to explore long-term collaboration. In partnership with CISCO (equipment donation) and U of M Network Services, the center will be setting up a state-of-the-art Lab facility for IA education. The [Center](#) has been

designated by NSA and DHS as the [National Centers of Academic Excellence in Information Assurance Education](#).

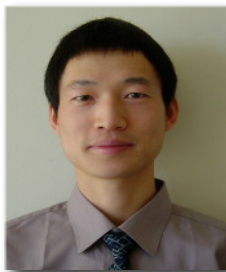
Department News

Applied Computer Science Degree

New [Applied Computer Science](#) Degrees has been approved by TBR. This program will allow graduate students to specialize in a focus area such as cognitive science, e-commerce, or multimedia while taking appropriate courses in CS and other departments approved for the program.

New Faculty Profiles

Dr. Qishi Wu from Oak Ridge National Labs: Dr. Wu's area of expertise is in the areas of networks for high-performance computing, large scientific visualization, and distributed sensing. Dr. Wu got his Ph.D from the Louisiana State University, and is currently a research fellow at Oak Ridge national Lab, a world-leading institute for basic and applied scientific research.



Two new faculty will be joining us in the Fall.

Dr. Santosh Kumar from Ohio State University: Dr. Kumar's major area of research is Wireless Sensor Networks, where he currently focuses on the fundamental problems associated with coverage and connectivity issues. He has also worked on the long-standing problem of developing a framework for modular verification of concurrent systems.



Faculty

Recent publications & professional activities available:

www.cs.memphis.edu/spring06/

Recently Received Grants

Dr. Lan Wang awarded Faculty Research Grant: "SNAP: Sensor Networks for Assessment of Patients", that will extend from June 2006 to June 2007.

Dr. Vasile Rus awarded Faculty Research Grant: "Starting Up a BioNLP Research Program."

Dr. Lan Wang awarded NSF CRI Grant: "Collaborative Research: Building the Next-Generation Global Routing Monitoring System", Oct. 2006 to Oct. 2009.

Dr. Stan Franklin and **Dr. Lee McCauley** awarded FIT Center for Advanced Robotics Grant: "LIDA-AV: Cognitive Robotics for Autonomous Vehicles" and "Dynamic Obstacle Handling in High-Speed Mobile Robots," respectively for the period May 2006 to May 2007.

Dr. Kozma received a National Research Council award for 2006-2007 for research with US Air Force Research Lab, Hanscom, MA.

Fourth Annual HS Programming Challenge

The CS Department hosted the fourth annual programming competition for local high schools on March 25th. The goal is to provide an exciting and informative learning opportunity for students in an atmosphere that promotes contemplative design and teamwork. This year's task was to create a sports game based on the Olympics in the year 2050.

Thirty-three teams competed and many local companies donated their time, products, and money. Our special thanks goes to these supporters: Cellular South, Lenny's Corporation (a.k.a Lenny's Sub Shop), and Best Buy.



Programming Challenge

Shiva Publishes New Book

Dr. Sajjan Shiva's latest book, Advanced Computer Architectures, has been published by CRC Press.



Computer Science Students Shine



Dr. Linda Bennett, Assoc Dean addressing students on Research Day.

Olney wins first place in AAAI Interactive Robotics Competition

Andrew Olney, a Ph.D. student, along with Hanson Robotics, created a robotic version of Philip K. Dick, a noted science fiction writer and author of such novels as *Blade Runner* and *Total Recall*. The Philip K. Dick Android Project recently received an award from the American



Last Minute Adjustments

Association of Artificial Intelligence (AAAI). The robot won the Robotic Competition Technical Innovation award: First place in the Open Interaction Competition.

CS Research Day Winners

The Department would like to congratulate the winners of the CS Research Day held at the University Center on April 7th and 14th, 2006. Thanks go out to all of the participants.

Award Winners:

- Presentation:
 - **Rajesh Ramanand** (First place),
 - **David Mills** (Second place)
- Poster:
 - **Igor Beliaev** (First place),
 - **Andrew Neel** (Second place)

In addition to a certificate, first place winners receive \$100 and the Second place winners receive \$50 from the Department, towards any research related expenditure.



Second Place in the FIT Business Plan Competition

"Deep Web Analytics," a team formed by Rajesh Ramanand and Dr.

King-Ip (David) Lin came in second for the 2006 FedEx Institute of Technology Business Plan Competition.

University Research Forum

Igor Beliaev, a Ph.D student awarded the First Prize

Sai Kolli, a Masters Students, has received the Second Prize.

Clifton Russ, an undergraduate student got the second prize for his work on EEG analysis.

More Student Accomplishments

Quynh Tran was selected as a participant at the *First Google Workshop for Women Engineers*, which was held in San Jose, California on December 3-5, 2005. The Workshop promotes increased female representation in science and engineering.

Sarah Bowen was selected as a participant at the *2006 Grad Cohort for Women in Computer Science* held in San Francisco, CA on March 31-April 1, 2006, which was sponsored by the Committee on the Status of Women in Computing Research.

Contact Information:

**Department of Computer Science
University of Memphis
209 Dunn Hall
Memphis, TN 38152
www.cs.memphis.edu**



ACM Bits

New ACM Officers

President: Pavan Karnam (pkarnam@memphis.edu)

Vice Presidents:

John Panter (jmpanter@memphis.edu),

Quynh Tran (qtran1@memphis.edu)

Treasurer: LaTroy Francisco

(latroyfrancisco@gmail.com)

Secretaries:

Clifton Russ (cruss@memphis.edu),

Rukhsana Azeem (razeem2@memphis.edu)

Programming Team gets 5th place at ACM competition

The ACM Programming Team finished in the top 5 at the 2006 CCSC Mid South conference. This was the teams' their first competition and we congratulate them on their impressive showing. The team consisted of **Johnathan Applebury**, **John Panter**, **Brian Kennedy** and coach **Dr. V. Phan**.

Upcoming ACM Events

Several ACM events are being worked on for the Fall. Keep watching for specific dates for

- Couch Talks,
- Movie Nights,
- Video Game Night, and
- Programming Challenge (internal).