

CSE HIGHLIGHTS

WELCOME DR. JAY LIGATTI



JAY LIGATTI received his Ph.D. in Computer Science from Princeton University in June 2006 and his B.S. in Computer Science and B.M. in Music Composition from the University of South Carolina in May 2001. Dr. Ligatti's research interests are software security and programming languages, including language-based security and reliability, software monitoring, formal policy analysis, security automata, type systems, program transformations, and aspect-oriented and policy-specification languages.

CSE QUICK STATISTICS 2005-2006

Undergraduate Students:	422
Graduate Students::	126
Faculty:	27
Staff:	7
Graduating Class GPA:	3.20
Total Ph.D.s Granted:	85
Total Masters Granted:	629
Education & General Budget:	\$3.9M
New Research Awards:	\$3.3M

DEGREES OFFERED

UNDERGRADUATE PROGRAM

Bachelor of Science in Computer Science
Bachelor of Science in Computer Engineering
Bachelor of Science in Computer Information Systems

GRADUATE PROGRAM

Master of Science in Computer Science
Master of Science in Computer Engineering
Ph.D. in Computer Science and Engineering

OTHER CSE FACULTY/STAFF ACCOMPLISHMENTS



LARRY HALL became President of the IEEE Systems, Man, and Cybernetics Society in January 2006.



KIMON VALAVANIS was appointed in January 2006 Editor-in-Chief of the IEEE Systems, Man and Cybernetics Society eNewsletter. He was also appointed in 2006 to be Editor-in-Chief of the Journal of Intelligent and Robotic Systems, published monthly by Springer. He has enhanced and expanded the journal to include quarterly special sections in Unmanned Systems.



JOHN GIANNONI was elected President of the USF Faculty/Staff Club for 2006-07.



RANGACHAR KASTURI and **MURALI VARANASI** are Vice Presidents of IEEE Computer Society. Dr. Kasturi is chairing its Conferences and Tutorials Board and Dr. Varanasi is the chair of the Educational Activities Board. Since they are the only candidates for the position of 2007 president-elect, USF CSE is guaranteed to be the winner!



CSE ANNOUNCEMENTS



USF has been selected to host the 19th International Conference on Pattern Recognition. For more information visit:

www.ICPR2008.org



THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING ACHIEVEMENT GALA

DATE: Friday, September 22, 2006

TIME: 5:00 - 8:00pm

LOCATION:

University of South Florida
 Sam and Martha Gibbons Alumni Center
 PA Club Room/Atrium
 4202 East Fowler Avenue
 Tampa, FL 33620

UNIVERSITY OF SOUTH FLORIDA

NSF CAREER AWARD RECIPIENT



HAO ZHENG has received the NSF CAREER Award for his project "Methodologies and Tools for Large Real-Time Concurrent System Verification." The award is for 5 years (2006-2010), with total funding of \$400,000. Dr. Zheng received his Ph.D. from the University of Utah in 2001. He joined the USF Computer Science and Engineering Department in Fall 2004.

2005 USF OUTSTANDING STAFF AWARD



DEE ALLEN received the 2005 USF Outstanding Staff Award for her personal commitment and contribution to the University's greater good, individual growth, and development.

BEST PAPER AWARDS



HIMANSHU VAJARIA, with TANMOY ISLAM, SUDEEP SARKAR, RAVI SANKAR, and RANGA KASTURI won one of the five *best student paper awards* out of 2,029 submissions at the 18th International Conference on Pattern Recognition for their paper entitled, "Audio Segmentation and Speaker Localization in Meeting Videos" Hong Kong, 2006.

NARENDER HANCHATE (*picture not available*)



with N. RANGANATHAN received the *best paper award* for their paper entitled, "A Linear Time Algorithm for Wire Sizing with Simultaneous Optimization of Interconnect Delay and Crosstalk Noise," Proc. Intl. Conference on VLSI Design in January 2006. It was ranked 1 out of 360 submissions.

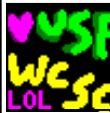
INTELLIGENT SCARECROW "J.J."



In June 2006, ALBERT NG, FRANCISCO BLANQUICET, JIMAL RAMSAMOOJ, and SCOTT WERNER (*with their faculty mentor, Dr. Christensen*) placed second out of 367 teams from 17 countries (first among the US teams) in the 2006 world-wide Microsoft Windows Embedded Student Challenge contest. Their project was an "Intelligent Scarecrow" intended to protect Florida fish farms from predator birds. The students went to Microsoft campus in Redmond for the contest. The students and their scarecrow have appeared on local and national TV, on the radio, and in printed media throughout the world. This project has now generated so much press for the University that Randy Filmore (USF Media Relations) says, "the students who created him, and their faculty mentor, Ken Christensen, became the most widely traveled and longest lasting media story in USF history. For more details see:

<http://www.cse.usf.edu/about/news/scarecrow.htm>.

USF CSE WHITEHATTERS COMPUTER SECURITY CLUB



USF CSE Whitehatters Computer Security Club was founded Fall of 2005 to promote learning in computer security and to compete in organized Capture the Flag (CtF) competitions. Since its inception, WCSC has made great strides. The team has finished:

- * 14th of 22 teams in the 2005 University of California-Santa Barbara International Capture The Flag,
- * 2nd of seven teams in the 2006 Southeast Collegiate Cyber Security Competition at Kennesaw State University,
- * 9th of 69 teams in the DefCon CtF qualifier,
- * 2nd of 20 teams in the CIPHER2 computer security competition sponsored by Technical University of Aachen, Germany, and
- * 1st of 30 teams in the Amateur Capture the Flag II (aCTF2.0) held during the Defcon 14 computer security conference in Las Vegas on August.

Congratulations to the team and its mentor, Jeremy Rasmussen, on their continuous progress and spectacular rise to success. For more details see: <http://www.cse.usf.edu>.

2ND ANNUAL CSE OUTSTANDING GRADUATE RESEARCH AWARD

DOCTORAL CATEGORY

- JOSHUA CANDAMO was awarded 1st place for his research entitled, "Aircraft Vision." Advisor: Dr. Kasturi
- RICHARD GARCIA was awarded 2nd place for his research entitled, "Multi-platform Processing Systems for Miniature Unmanned Vehicles." Advisor: Dr. Valavanis

MASTER OF SCIENCE CATEGORY

- GEORGE LUKACHAN was awarded 1st place for his research entitled, "SELAR: Scalable Energy-Efficient Location Aided Routing Protocol for Wireless Sensor Networks." Advisor: Dr. Labrador
- LAURA VOICU was awarded 2nd place for her research entitled, "An Analytical Model for the SF-SACK Protocol." Advisor: Dr. Labrador

FELLOWSHIPS/SCHOLARSHIPS

COE VERIZON SCHOLARSHIP

Li Chen and Elizabeth Horton (2005-06)

SLOAN SCHOLAR

Joshua Candamo (2006)

NSF TRAINEESHIP

Ransford Hyman (2006-08)

GRADUATE COUNCIL FELLOWSHIP

Phong Nguyen (2006-07)

Ryan Mabry (2005-06)

NSF RESEARCH FELLOWSHIP

Cindy Bethel (2004-07)