



MAJOR AREAS OF RESEARCH:

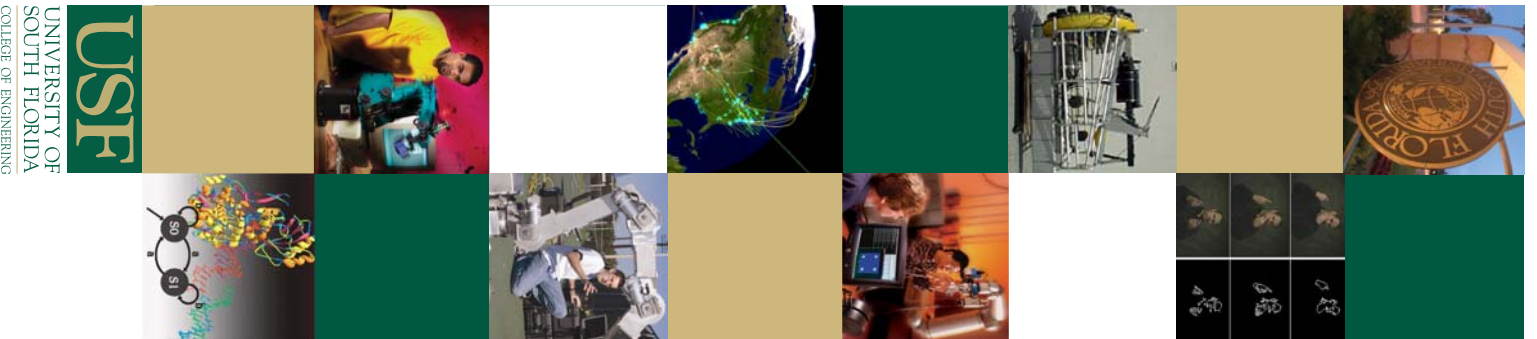
- *Algorithms*
- *Artificial Intelligence*
- *Coding Theory*
- *Computer Architecture*
- *Computer Graphics*
- *Computer Networks*
- *Computer Vision*
- *Databases*
- *Distributed Systems*
- *Expert Systems*
- *Fault-Tolerant Computing*
- *Human-Computer Interface*
- *Image Processing*
- *Robotics*
- *Software Engineering*
- *Software Security*
- *VLSI Design*

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Computer Science & Engineering
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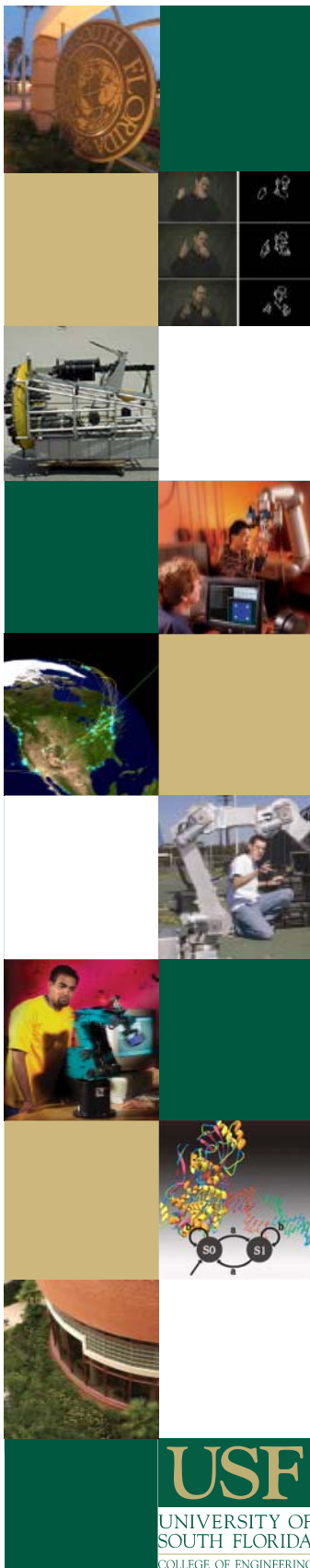
“Let the research begin ...”

Computer Science & Engineering

e - newsletter

Summer 2009

“Let the research begin ...”



| Message from the Chair

Thank you for your interest in Computer Science and Engineering at the University of South Florida!

We offer undergraduate degrees in Computer Science, Computer Engineering, and Information Systems; an accelerated degree program in which you receive your Bachelor's and Master's; Masters degrees in Computer Science and Computer Engineering; and a Ph.D. degree in Computer Science and Engineering.

For undergraduates, we offer a Research Experiences program as well as the opportunity to do meaningful senior projects in conjunction with local industry. For our graduate programs we have Teaching and Research Assistantships available for Masters and Ph.D. students that include a stipend and tuition waiver.

Our dedicated faculty provide an excellent set of courses combined with individual attention to make the learning experience fun and challenging in research areas such as Computer Vision/Pattern Recognition, Biometrics, Computer Security, Distributed computing, VLSI design including low-power chips, Networks, Computer Graphics, Robotics, Databases, AI/Data Mining, Bioinformatics and more! We have a number of IEEE Fellows, IAPR Fellows, an ACM fellow, several NSF career award winners, and several Distinguished University Professors on our faculty.

Our research projects lead to interesting electives for undergraduates, stimulating courses and areas of research for graduate students.

We are located in the beautiful Tampa Bay area which has several of the top ranked beaches in the world, a mild sunny climate, and many opportunities for recreation and cultural activities.

We look forward to hearing from you!

Sincerely,

Dr. Lawrence Hall, Chair
Computer Science & Engineering
University of South Florida

AWARDS & ACHIEVEMENTS

FACULTY

Prof. Ranganathan receives best paper award for **IEEE Transactions on VLSI Systems** paper

Prof. Goldgof (Computer Science and Engineering) and Prof. Khavinson (Department of Mathematics) awarded funding under the **College of Engineering Interdisciplinary Scholarship Program**

Prof. Iamnitchi and Prof. Lawrence awarded funding under the **College of Engineering Interdisciplinary Scholarship Program**

Prof. Sarkar elected **IAPR Fellow**

Prof. Katkooori wins **Outstanding Undergraduate Teaching Award**

Prof. Sudeep Sarkar receives **National Science Foundation Award**

Professors Iamnitchi and Ligatti receive **NSF grant for Mobius: A Multi-Tier Socially-Aware Network Infrastructure**

Prof. Nagarajan Ranganathan's new book, **Low-Power High-Level Synthesis for Nanoscale CMOS Circuits** is published

Prof. Les Piegl receives **National Science Foundation grant**

Prof. Iamnitchi and Graduate Student, Mayur Palankar made it into **ACM Technews**

Prof. Abraham Kandel receives **Fulbright Senior Specialists Award**

Prof. Dmitry Goldgof wins **Askounes-Ashford Distinguished Scholar Award for 2008**

Prof. Ligatti receives **NSF Career Award**

Prof. Zheng Wins **USF Outstanding Research Achievement Award**

Prof. Labrador Receives **USF Outstanding Undergraduate Teaching Award**

Prof. Ligatti and Iamnitchi receive **NSF Grant**.

Prof. Ligatti co-authors "**Fault-tolerant Typed Assembly Language**", submission recognized as Best-paper.

Prof. Nagarajan Ranganathan named **2007 Distinguished University Professor**

Prof. Rangachar Kasturi elected 2008 President of the **IEEE Computer Society**

Prof. Goldgof elected as **IEEE Fellow**

Prof. Zheng Wins **NSF CAREER Award**

STUDENTS

Upavan Gupta wins **USF Graduate Council, Outstanding Dissertation Award**

Michail Kontitsis - Successful PhD Defense January 2009

Cesar D Guerrero - Successful PhD Defense February 2009

Mahalingam Venkataraman - Successful PhD Defense March 2009

Yuhua Gu - Successful PhD Defense March 2009

Nalin Saigal - Successful Master's Defense March 2009

Computer Science and Engineering Researchers receive the 2009
IEEECASS VLSI Transactions Best Paper Award



V. Mahalingam



N. Ranganathan



J. E. Harlow

The paper **V. Mahalingam, N. Ranganathan, and J. E. Harlow**, *A Fuzzy Optimization Approach for Variation Aware Power Minimization During Gate Sizing*, *IEEE Trans. on VLSI Systems*, vol. 16, pp. 3571-3581, Aug. 2008, has been selected to receive the **2009 IEEE Circuits and Systems Society VLSI Transactions Best Paper Award**. This award involves a certificate and a cash prize for each author and recognizes the best paper published in the IEEE Transactions on Very Large Scale Integration (VLSI) Systems. The award is based on general quality, originality, contributions, subject matter and timeliness.

mark your calendar!

Sept ?? EEEI Meeting
5 pm ENB 313

Oct 23 USF Homecoming

Etc, etc, etc.

Another story,
announcement, ????





CONGRATULATIONS to Our Spring 2009 Graduates!

Vincent Arth	Bachelor of Science in Computer Engineering	Magna Cum Laude
	Bachelor of Science in Computer Science	Magna Cum Laude
Mariah Bailey	Bachelor of Science in Computer Science	
David Barkhurst	Bachelor of Science in Computer Engineering	
	Bachelor of Science in Computer Science	
Melinda Black	Bachelor of Science in Information Systems	Magna Cum Laude
Daniel Deguire	Bachelor of Science in Information Systems	
Noureddine Elmehraz	Bachelor of Science in Computer Engineering	Cum Laude
Benjamin Erickson	Bachelor of Science in Computer Science	
Todd Fuchs	Bachelor of Science in Computer Science	Magna Cum Laude
Sara Gabsi	Bachelor of Science in Computer Engineering	
Anthony Galliano	Bachelor of Science in Information Systems	Magna Cum Laude
	Master of Science in Computer Science	
Jonathan Girwar-nath	Bachelor of Science in Computer Engineering	
	Bachelor of Science in Computer Science	
Marcy Gordon	Bachelor of Science in Computer Engineering	Cum Laude
Brian Guthrie	Bachelor of Science in Computer Science	
Robert Hood	Bachelor of Science in Computer Science	
Kyle Jones	Bachelor of Science in Information Systems	
Cameron Korb	Bachelor of Science in Computer Engineering	
Michael Lloyd	Bachelor of Science in Computer Science	
Philip Losasso	Bachelor of Science in Computer Science	Cum Laude
Marc Maciel	Bachelor of Science in Computer Engineering	
	Master of Science in Computer Engineering	
Christopher Mcbride	Bachelor of Science in Information Systems	
Carlo Mcdonald	Bachelor of Science in Computer Engineering	
Daniel Merker	Bachelor of Science in Computer Engineering	
	Bachelor of Science in Information Systems	
Andrew Messier	Bachelor of Science in Computer Science	
Jason Monast	Bachelor of Science in Computer Science	
Robert Morris	Bachelor of Science in Computer Science	Magna Cum Laude
Christopher Neuner	Bachelor of Science in Information Systems	
Johnny Nguyen	Bachelor of Science in Computer Engineering	
Jason Sehl	Bachelor of Science in Computer Engineering	
Steve Singrattana	Bachelor of Science in Computer Engineering	
	Bachelor of Science in Computer Science	
Sylvia Traxler	Bachelor of Science in Computer Science	Cum Laude
Anthony Vengrofski	Bachelor of Science in Computer Engineering	
	Bachelor of Science in Computer Science	
Kevin Veon	Bachelor of Science in Computer Engineering	Magna Cum Laude
	Bachelor of Science in Computer Science	Magna Cum Laude
Matthew Wagner	Bachelor of Science in Information Systems	
Alfredo Perez	Master of Science in Computer Science	
Yuhua Gu	Doctor of Philosophy	
Cesar Guerrero santander	Doctor of Philosophy	
Michail Kontitsis	Doctor of Philosophy	
Mahalingam Venkataraman	Doctor of Philosophy	