



"The science of today is the technology of tomorrow." ~ Edward Teller

News

Student's Work Used in New IBM Compiler

As a result of his 2008 summer internship at IBM Research, Tomofumi Yuki, a graduate student in the Department of Computer Science, has developed a method for automatically creating cost models using artificial neural networks and optimization tools to predict good tile sizes. Previously it was necessary to create models by hand, and this precluded the use of such models in production compilers. With Tomofumi's approach, the compiler can not only predict near-optimal tile sizes, but can also adapt to evolution in hardware and software that change the behavior of tiled code. This work is reported in Tomofumi's MS thesis and in a paper that he co-authored with CSU faculty Drs. Sanjay Rajopadhye and Chuck Anderson, and IBM researchers Drs. Lakshminarayanan Renganarayanan (who received his Ph.D. at CSU), Kevin O'Brien, and Alexandre Eichenberger. The paper will appear in the ACM International Symposium on Code Generation and Optimization, 2010. Tomofumi's work has already been incorporated into the forthcoming release of IBM's XL compiler.



Two CS Graduate Students Named International Presidential Fellows

Congratulations to Dalal Alrmuny and Rinku Dewri who have been selected by CSU as 2009-2010 International Presidential Fellows. This year's program includes 26 graduate students and post-graduate visitors from 20 countries. Presidential Fellows are nominated by college deans and have strong international research interests and experience. For more information on this year's awardees, please click on this link.

12 CS Students Competing in Computer Programming Contest

12 Computer Science students will compete in the 34th annual IBM-sponsored *Association for Computing Machinery International Collegiate Programming Contest* on October 31. Our students will compete against students from four other universities in a 5-hour "battle of the brains", trying to solve 9 problems taken from real-world scenarios. Benjamin Say is the coach of our department's teams.

Department Welcomes New Faculty

The department is pleased to welcome **Dr. Shrideep Pallickara**. Dr. Pallickara is an Assistant Professor joining our High Performance Computing Research Group. His research interests include Cloud Computing, Distributed Systems, Content Distribution Networks, and Streaming Systems.



We also welcome the following two faculty from the Department of Electrical and Computer Engineering as joint appointments to Computer Science:



Dr. Sudeep Pasricha
Associate Professor



Dr. Arnold Rosenberg
Research Professor

Dr. Dan Massey Serves as Guest Editor

Associate Professor Dan Massey has been published as a Guest Editor with Dr. Dorothy Denning (Department of Defense Analysis, Naval Postgraduate School) in the September/October 2009 issue of *IEEE Security and Privacy* magazine.



Awards and Recognitions

Authors: Yui Man Lui, Ross Beveridge, and Michael Kirby

Paper Title: *Canonical Stiefel Quotient and its Application to Generic Face Recognition in Illumination Spaces*

Award: Honeywell Best Student Paper Award

Conference: IEEE International Conference on Biometrics: Theory, Applications and Systems 2009

Authors: K.-R. Muller, C. W. Anderson, G. E. Birch

Paper Title: *Linear and Nonlinear Methods for Brain Computer Interfaces*

Award: Best TNSRE Paper Award, IEEE Transactions on Neural Systems and Rehabilitation.

Award Description: This paper is a summary of the debate held at the Second International Meeting on Brain-Computer Interfaces.

Spring 2009 Graduate Degrees Awarded

The Computer Science Department congratulates the following students on the completion of their graduate degrees in spring 2009:

Master of Science

Andres H. Alvarez, Kevin Nibbelink, Mariappan Rajaram,
Crystal Erin Redman, He Yan

Master of Computer Science

Tahani Ali BaAbdullah, Sean Coling Briggs, Saurabh Ashok Deshpande,
Gurudev Devania, Sheri Lynn Geherty, Francis Joseph Ginther, James Philip Krumm, Scot Kenneth Larsen, Lixin Li,
Brian Norwood, Scott David Ryder, Scott Richard Stahurski

RamBytes Newsletter Archives

Spring/Summer 2009 (PDF)

RamBytes 5.2 Spring-Summer 2007

RamBytes 4.2 Spring-Summer 2006

RamBytes 3.2 Spring-Summer 2005

RamBytes 2.2 Spring-Summer 2004 (PDF)

RamBytes 5.1 Fall 2006

RamBytes 4.1 Fall 2005

RamBytes 3.1 Fall 2004 (PDF)

RamBytes 2.1 Fall 2003 (PDF)

- Prospective Students
- Contact Us
- Department Wiki
- Employment
- Giving
- New Building
- Donors
- News
- Events
- Awards
- Careers
- Internships
- Industry Partners
- Department Code

- Faculty & Staff
- CS Directory
- CS Userlist
- Alumni

- Degrees
- Courses
- Schedules
- ... more choices

- Groups & Projects
- Publications
- Graduate Students

- BMAC Seminar
- ACM
- Upsilon Pi Epsilon
- ... more choices

- Labs
- Systems
- Using your PC