News & Notes from Sitterson Hall

The University of North Carolina at Chapel Hill
Department of Computer Science

FALL 2004 • ISSUE THIRTY- FOUR

In this issue

CHAIRMAN'S CORNER	1
WELCOMES AND FAREWELLS	1
FAMILY MATTERS	2
CONGRATULATIONS TO...	2
GRANTS	3
RECENT PUBLICATIONS	4
DEPARTMENT NEWS	5
RESEARCH HIGHLIGHTS	5
ALUMNI NEWS	7

www.cs.unc.edu

PLEASE JOIN US!

All alumni and friends of the department are invited to join us for a ceremony honoring Steve Weiss and his many years as department chair!

4:30 - 6:00 p.m.
Wednesday,
November 10, 2004
Sitterson Hall

Chairman's corner

The Department of Computer Science has a new chair! Over the last 15 years Steve Weiss has led the department through tremendous growth and accomplishments, but now it is time for someone else, as he puts it, "to have all the fun."

As the new chair, I welcome your input and suggestions. This is an exciting time for the department. With our recently expanded faculty, we are embarking on some new directions, including building up our undergraduate program. Our alumna and IBM fellow Diane Pozefsky (Ph.D. 1979) has returned to our department part-time to help us expand our relationships with local industry.

We also continue to expand our collaborations with researchers in the Medical School, Biochemistry, Physics, and Environmental Science, among other disciplines. We're part of the Carolina Center for Genome Sciences, which was formed in 2001. The CCGS is a group of UNC faculty from 15 different departments and disciplines who are combining efforts to make major advances in genomics research. The new projects in the Rennaisance Computing Institute led by Dan Reed are further expanding these collaborations.

As an example of these collaborations, we welcome back to the department Ph.D. alumnus Martin Styner, who has taken a position as a research assistant professor. Martin will be splitting his time between our department and the department of psychiatry.

You may not recognize the view from Sitterson Hall these days, as construction continues behind our building on the Science Complex. Plans for the complex include an eventual Sitterson addition.

Congratulations to this year's Computer Science alumni fellowship recipient, Miguel Otaduy. For more about his research, see page 3. The alumni fellowship is made possible in part by generous contributions from alumni and friends of the department.

We welcomed 35 new graduate students to the department this fall, and we are looking forward to a busy year. Be sure to stop by Sitterson if you are in the area!

Jan F. Prins

Welcomes and Farewells

NEW FACULTY APPOINTMENTS

Martin Styner (Ph.D. 2001) returned to the department this summer as a research assistant professor, joint with the Department of Psychiatry. In his new position, Martin is the director of the Neurodevelopmental Research Core, a national research center based in the Department of Psychiatry.

Diane Pozefsky (Ph.D. 1979) has been named research professor of Computer Science, with a joint appointment as research scientist with the Institute for Renaissance Computing.

NEW GRADUATE STUDENTS

Ankur Agiwal, Manoj Ampalam, Brian Begnoche, Michael Brady, John Calandrino, Andrew Chen, Xifeng Fang, Casey Goodlett, Li Guan, Steven Hopper, Kevin Ivarsen, Sasa Junuzovic, David Knott,

Family matters

Eriko Iwasaki and **Bill Baxter** (Ph.D. 2004) welcomed **William Valentine Baxter IV** on August 31, 2004. *(baxter@cs.unc.edu)*

Jen and **Lars Bishop** (M.S. 1996) welcomed **Nadia Marie** on July 19, 2004. She was 6 lbs. and 19 inches, and has (surprise!) red hair. (*lmb@ndl.com*)

Lynne and **Dave Chen** (Ph.D. 1998) welcomed twins **Jacob** and **Elizabeth** on Sunday June 8, 2003, in Rockville, Md. (*dave@chen.net*)

Cindy Hong (B.S.M.S. 1996) married **Jeremy Sternberg** on October 13, 2003, in Kauai, Hawaii. (*hong@cs.unc.edu*)

William (Wm) Leler (Ph.D. 1987) married **Cindy von Ofenheim** on August 14 in Portland, Oregon. (*wm@leler.com*)

Candicelee Autry McDaniel, former front desk receptionist, and her husband **Jason** welcomed their third daughter, **Jasla Gabrielle** on September 29, 2003. She joins big sisters **Selina Kyle**, age 5 and **Sydney Kaitlin**, age 3. (*candicelee_mcdaniel@med.unc.edu*)

Bridgett and **Ransom Murphy** (M.S. 1993) welcomed their first child, **Abigail Faith**, on November 6, 2003. (*gmurphy@lucent.com*)

Diane and **Dan Palmer** (M.S. 1990, Ph.D. 1996) adopted **Katrina Joy Liangting** from China on November 5, 2003. Katie was born on January 2, 2003, and joins older sister **Emily**, who is 4 1/2. (*dpalmer@jcu.edu*)

Michelle and **Terry Talley** (M.S. 1993, Ph.D. 1997) welcomed **Sydney Michelle** on June 8, 2004. At birth, Sydney weighed 4 lbs 11 oz and was 18.5 inches tall. Big brothers **Drew** and **Ethan** welcome their little sister to the gang. (*Terry talley@acm.org*)

Linda and **Greg Welch**, research associate professor, welcomed their second son, **Carlos**, from Guatemala on April 7. Carlos, age 1 1/2, joins big brother **Donal**, age 3. (*welch@cs.unc.edu*)

Congratulations to…

Keith Lee, Jameson Miller, Vincent Noel, Michael Noland, Ipek Oguz, Claire O'Shea, Prashant Pai, Feng Pan, Rahul Prasad, Cory Quammen, Patrick Quirk, Nikunj Raghuvanshi, Rohit Saboo, Jeffrey Schoner, Jason Sewall, Morten Sommervoll, James Swafford, Jeffrey Terrell, Benjamin Wilde, Tynia C. Yang, Qi Zhang, Stefan-Cosmin Zota

Congratulations to…

FACULTY AND STAFF

Gary Bishop, associate professor, and **Guido Gerig**, Taylor Grandy Professor, who were the recipients of the 2003 - 2004 Computer Science Student Association Teaching Awards.

Dr. Frederick Brooks, Kenan Professor, who is the recipient of the 2004 Eckert-Mauchly Award. Administered jointly by the Association of Computing Machinery and the IEEE Computer Society, this award of $5,000 is given for contributions to computer and digital systems architecture where the field of computer architecture is considered at present to encompass the combined hardware-software design and analysis of computing and digital systems.

Katrina Coble, who was promoted to a University Administrative Manager III. Katrina was also named a Tar Heel of the Week by the *News & Observer* earlier this year for her work with the Carolina Blood Drive. You can read more about her work with the blood drive on page 5.

Alan Forrest, computing consultant, who was one of six individual winners of the 2004 Information Technology Awards for outstanding technical support at this year's campus-wide IT Awards Banquet.

Kevin Jeffay, S. Shepard Jones Distinguished Term Professor, and **Sanjoy Baruah**, associate professor, who were the first recipients of the Computer Science Club Undergraduate Teaching Awards. In addition, Kevin was the recipient of the 2004 Edward Kidder Graham Outstanding Faculty Award. The Graham award is sponsored by the senior class, the Division of Student Affairs, and the General Alumni Association.

Missy Wood, administrative staff member, who was the recipient of a Star Heel award.

GRADUATE STUDENTS

Sharif Razzaque, who was the recipient of the 2003-2004 Outstanding Teaching Assistant Award. Awarded yearly, the Outstanding Teaching Assistant receives a monetary award, generously funded by CS alumnus **John Glotzer** (M.S. 2000). Sharif was also recently named to the Royster Society of Fellows from The Graduate School.

Kelly Van Busum, Ph.D. candidate, who begins a tenure track Computer Science Faculty position at DePauw University in Indiana this fall. She will be teaching Graphics and two sections of Data Structures.

December 2003 Ph.D. Recipients:
Jessica Renee Crawford Crouch, "Medial Techniques for Automating Finite Element Analysis." (Stephen M. Pizer)

Mark Jason Harris, "Real-Time Cloud Simulation and Rendering." (Anselmo Lastra)

2004-2005 STUDENT FELLOWSHIPS AND SPECIAL AWARDS

Aaron Block	National Science Foundation Fellowship
Andrew Chen	Sandia National Laboratories Scholarship
Greg Coombe	NVIDIA Fellowship
Uma Devi	IBM fellowship
Xifeng Fang	UNC-Chapel Hill Scholars for Tomorrow Scholarship
Todd Gamblin	National Science Foundation EAPSI Summer Fellowship
Russ Gayle	DOE High-Performance Computer Science Fellowship
Gennette Gill	National Defense Science and Engineering Graduate Fellowship
Justin Hensley	ATI Fellowship
Jason Jerald	National Physical Sciences Consortium Fellowship
Sasa Junuzovic	UNC-Chapel Hill Scholars for Tomorrow Scholarship
Keith Lee	National Science Foundation Alliance for Graduate Education and the Professoriate Program Research Assistantship
Brandon Lloyd	National Science Foundation Fellowship
Swaha Das Miller	Carol and Edward Smithwick Dissertation Fellowship
Claire O'Shea	UNC-Chapel Hill Graduate School Merit Assistantship
Peter Parente	National Science Foundation Fellowship
Sharif Razzaque	Ross and Charlotte Johnson Family Dissertation Fellowship
Jeff Schoner	UNC-Chapel Hill Graduate School Merit Assistantship
Josh Steinhurst	National Science Foundation Fellowship
Jeremy Wendt	National Science Foundation Fellowship