The holiday season is just around the corner, and it is also the time for us to share the news of your department.

This year, Dr. Paul Young joined our department as a tenure-track faculty member. Prior to joining UCA, Dr. Young was a Navy Captain and the Associate Chairperson of Computer Science Department at the U. S Naval Academy. Along with his great academic and administrative experience, Dr. Young is certainly an added asset to this department.

The department has placed effective teaching, active research, and professional service as integral parts of its mission. Our graduates have been actively sought by leading IT companies. In fact, upon graduation, many of our graduates this year have received multiple competitive job offers. For those who decide to pursue advanced graduate study, all received graduate scholarship or assistantship this year. Faculty and students continue publishing their research results in high quality journals and in proceedings of selective professional conferences at national and/or international level. This year, the National Science Foundation awarded us another research grant. While we provided various professional services as reviewers, conference organizers or committee members, accreditation team member, and others in 2007, I would like to highlight one achievement by a student. An undergraduate senior, Meaghan Dellar, provided her professional service with World Tech in Namibia, Africa in summer 2007 and received the university internship award.

After our preparations during the last few years, the ABET Computing Accreditation Commission (CAC) sent a team to review our undergraduate degree program in October, 2007. Instead of simply waiting for the decision to be made by ABET in July 2008, we are actively improving our program according to the suggestions by the team. This accreditation process is certainly making positive impacts on the undergraduate program of this department.

My best wishes for a great holiday season and a wonderful 2008 for you and your family!

Happy Holidays,

Chengyi Hu,
Ph.D. Professor and Chair

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**Student Research**

**Scott Dancer, Kevin Griffin, Erich Peterson, Thomas Stamps**, presented their research project “Parallel, Distributed, and Efficient I/O for Grid Computing” at the college annual symposium.

**Faculty Mentor: H. Wei**

**Meaghan Dellar** and **Ping Hu**, presented their research project “Optimization Algorithms for Interval-Weighted Graphs” at the college annual symposium.

**Faculty Mentor: C. Hu**

**Ping Hu**, presented his research project “Fuzzy partial-order relations for intervals and interval weighted graphs” at the first IEEE Symposium on Foundations of Computational Intelligence (FOCI’07).

**Faculty Mentor: C. Hu**

**Ping Hu and Meaghan Dellar**, presented the research project “Task Scheduling on Flow Networks with Temporal Uncertainty” at the first IEEE Symposium on Foundations of Computational Intelligence (FOCI’07).

**Faculty Mentor: C. Hu**

**Jennifer Rullman**, presented her research project “Rapid Generation of Unique Pseudo-Random Keys using Smart Cards” at the college annual symposium.

**Faculty Mentor: V. Paruchuri**

**Chris Shelton and Jared Shoptaw**, presented their research project “Performance Evaluation for MPEG-4 & H.264/AVC” at the college annual symposium.

**Faculty Mentor: Y. Sun**

**Jared Shoptaw**, presented his research project, “A Frame Skipping Method for H.264/AVC Rate Control” at the college annual symposium.

**Faculty Mentor: Y. Sun**

**Michelle Talley and Neeta Seetha**, presented their research project “An Approach to QoS-Based Grid Network Service Discovery” at IEEE regional conference.

**Faculty Mentor: Q. Duan**

**Yun Zhou** presented her research project “Resource Allocation for Service Provisioning in Grid Computing Systems” at the college annual symposium.

**Faculty Mentor: Q. Duan**
New Faculty

Dr. Paul Young

Ph.D. in Software Engineering from Naval Postgraduate School, 2002, joins this department as a tenure-track Assistant Professor, Fall 2007. His research interests areas: Software Engineering, Heterogeneous Software Systems Interoperability, Information Retrieval and Correlation, Software Reuse, and Semantic Web. Dr. Young comes to us from the U.S. Naval Academy in Annapolis, MD, where he served as Associate Chair of the Computer Science Department and taught a variety of courses.

Student News and Activities

In the spring, the club held a “Code Con” Lane Party and awarded prizes to winners. Two teams competed at the Sp’07 Axiom Programming Contest and completed 4 and 5 problems. This fall, the club hosted a pizza and movie night for members and guests.

Two teams competed at the ACM programming contest this year
Team 1, Steven Cauthren, Sam Fowlkes, and Travis Wright.
Team 2, Josh Stancil, Steven Nelson, and Jennifer Rullmann.

Alumni
Vineet Saini, employed by Acxiom
Dewan Rahman, employed by Acxiom
Erich Peterson, working on his doctoral degree, UALR
Jared Shoptaw, employed by Wal-Mart Information Division
Nathan Hotchkiss, employed by Acxiom
Dotty Browning, employed by Regions Bank
Aaron Miller, employed by Acxiom
Thomas Stamps, employed by Wal-Mart Info Systems.
Bryce Ussery, employed by Wal-Mart Info Sys.
Matt Livingston, self-employed
Xin Yin, CS Masters Program
Yun Zhou, employed by State Transportation Dept.

The Department of Computer Science has recently formed a department fund at the UCA Foundation. For those who would like to make a tax deductible contribution you may contact us or contact the UCA Foundation directly. We appreciate your support for our future needs.

Acxiom Corp. has committed to award the department $105,000.00 in the next three years for the continue improvement and enhancement of our educational programs.

Spring '07, the department had 8 student interns that attended UCA’s Internship Banquet. We had 3 students present Chalk Talks and 6 students posters were presented at Spring Research Symposium. Presentations were made by students at the Axiom ALAR conference held at U of A.

We had a great response to our reception held for “Friends of CS”, honoring our Advisory Board and Industrial Sponsors. We are currently receiving applications for our full-time Technician position. We hope to fill at beginning of Sp. ’08 semester.

We are actively recruiting two tenure track faculty members to start at the beginning of the academic year of 2008.
Graduate Program in Applied Computing

Currently, we have eleven students enrolled in our Master of Science in Applied Computing graduate degree program. Recent graduates are continuing their studies with us and also work as graduate assistants. This year, we were able to provide graduate assistantships to all graduate students who applied for. Graduate students have worked hard on their research. Some of them have presented their projects at various conferences. Three graduate students presented their master projects this fall semester.

Neeta Seetha, "Advanced Distributed Web Application Utilizing Java and Heterogeneous Database Management", Advisor: Mark Smith.


Siqing Li, "A Research of Global Optimized Video Rate Control Algorithms", Advisor Dr. Yu Sun.

Former student Dewayne Collins' master thesis has been published by the Journal of Soft Computing.

We welcome applications for graduate study. Graduate assistantships are available. If interested see information about this program at http://www.cs.uca.edu or contact Dr. Chenyi Hu.

Journal:


Conference Proceedings:

James Abele joined us again this Fall to teach Data Structures. He is currently a full-time employee at Acxiom.

Carol Hambuchen retired after the Spring '07 semester to help with their family business. She is truly missed by the department and students.


Lev Igolnikov continues to teach service courses for this department.

Michael Nooner continues as a CS Instructor and Technician. He has been a great asset to the technical needs of department.

Karen Thessing, has served on many dept. and college committees. This year she chaired the CS Faculty Search Committee, which resulted in a successful hire.

Han-Cheih Wei, chose to pursue a career in the IT industry field and resigned in 2007. We wish him well in his new career.

Zhou Yimin, a visiting scholar fully sponsored by the Chin Scholarship Council has joined the department. He is conducting advanced study, especially in the area of multimedia computing with Dr. Y. Sun.

We're on the web! www.cs.uca.edu

Grant Awards

Invited Presentations:
4. Yu Sun, invited talk, “Video/Image Compression and Communication”, Southwest University of Science and Technology, Sichuan, P. R. China, Su’07

Attention Alumni
We would very much like to keep in contact with our departmental alumni. We have created a form that can be found on our webpage that you can fill out. Upon receiving your information, you will be added to our database of alumni. We aim to establish a community that can share resources and contact information.

Thank you