



**Northeastern University**

---

College of Computer and Information Science  
Newsletters

College of Computer and Information Science

---

October 01, 2004

## CCIS Network : Fall 2004

Northeastern University - College of Computer and Information Science

---

### Recommended Citation

Northeastern University - College of Computer and Information Science, "CCIS Network : Fall 2004" (2004). *College of Computer and Information Science Newsletters*. Paper 2. <http://hdl.handle.net/2047/d1000760x>

This work is available open access, hosted by Northeastern University.

# CCIS network

## Fall 2004

*The newsletter for the  
College of Computer and  
Information Science at  
Northeastern University*

## Faculty

Letter from the Dean	2
Zhang Receives Career Award	2
Network Security Course Nationally Recognized	3

## Students

Summer Camp a Hit	4
New MS in Information Assurance	5
New Dual Major Options	5
ACM Awarded for Programming	6
Student Represents NU at Co-op Conference	7

## Alumni and News

Lopes Earns Outstanding Alumni Award	8
CCIS Supporters	9
Photo Essay: CCIS's New Building	10



**Northeastern**  
UNIVERSITY

Higher Learning. Richer Experience.



Students prepare for class in the Gicca Atrium at West Village H, the new CCIS facility.

## TECH FORUM COMMEMORATES MOVE TO NEW BUILDING

The new state-of-the-art College of Computer and Information Science (CCIS) building will be officially inaugurated November 8 with the first in a continuing series of Tech Forums. The event is expected to attract high-profile industry leaders and government officials to celebrate the college's growing status as a national leader in computer and information science research and education.

"We want to create an exciting forum for the exchange of ideas and draw attention to our role as a central player in Greater Boston's high-tech community," says CCIS Dean Larry Finkelstein. "The program will feature the best and the brightest from the information technology industry."

The event will focus on future trends in information technology (IT) with two panel discussions: "Digital Protection and Survival" and "The Future of the Software

Market." Both panels will consider the economic, technology, and skills impacts of their respective topics.

"Digital Protection and Survival" will be moderated by Simson Garfinkel, a well known security researcher and commentator. Panelists will include Ed Appel, president of the Joint Council on Information Age Crime, Whitfield Diffie, Vice President, Sun Fellow and Chief Security Officer of Sun Microsystems, and John Manferdelli, general manager of Windows security at Microsoft.

"The Future of the Software Market" will be moderated by Frank Gens, IDC's senior vice president, research. Panelists will include Matthias Felleisen, trustee professor at CCIS; Ian Holland, vice president, architecture and systems engineering at Kronos; Clemens Szyperski, software architect at Microsoft Research; and John Glaser, vice president and CIO of Partners HealthCare System.

[continued on page 12]

## LETTER FROM THE DEAN



Today's CCIS students will graduate into a knowledge-based economy in which working in an international context is normal and international job competition is expected. A career in programming is only one of several possible exciting career paths for computer and information science majors. Today's graduates need to apply their skills to specific disciplines and work in teams that use computers as a tool to achieve

broad business and professional goals. There are tremendous opportunities for those who have the creativity and drive to meet the challenges.

Leading universities such as Northeastern are responding to changing global realities in a number of ways: increasing their international studies options, enhancing their core curricula to expose students to the greatest possible range of ideas and broaden their horizons, streamlining major requirements, offering enhanced capstone experiences, and encouraging interdisciplinary studies. At Northeastern, students have the added advantage of being able to integrate academic studies with real-world experiences through our signature co-op program.

Many academic computing programs are responding to these challenges by broadening the traditional discipline of computer science to include information science, information systems, software engineering, informatics, and information technology. These disciplines create new options for students by placing computing in the context of the professional world in which it is practiced.

What more needs to be done? We need to aggressively expand interdisciplinary opportunities for students. In addition to technical proficiency, graduating students need strong communication skills, deep understanding of an application domain, an understanding of the business context of computing issues,

and teamwork skills. Interdisciplinary options—in the form of dual majors and expanded electives—will help students develop these skills and increase their career options. Most of all, we need to continue to offer our students co-op positions that are challenging and will enhance their competitive position in the world they enter. At CCIS, we are committed to providing these opportunities.

Even with expanded educational programs, some students wonder what the job market will be like when they graduate. While offshore outsourcing is a reality, the job news in the United States is much better than many people think.

The U.S. Department of Commerce projects more than 140,000 job openings annually in mathematical and computer sciences by 2012, while the Department of Education expects roughly 70,000 new academic degrees annually. This is a far better ratio than any other science or engineering discipline.

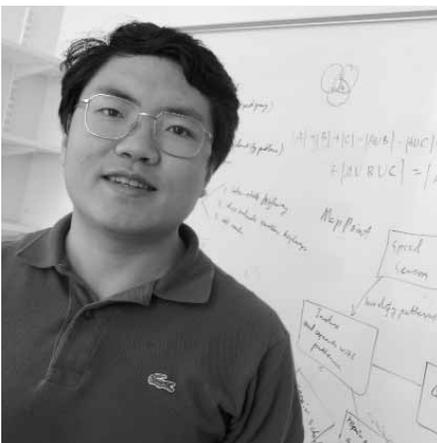
An example of the nature of the changing job market is reflected by recent comments by Hershel Harris, vice president for strategy for IBM's software unit, to the *New York Times* that the people in demand are those who are fluent in technology and in the application of technology to a particular field of business or science. This demand is creating opportunity in the United States.

The economy in general and the high-tech industry in particular have weathered some challenging years. But with the right academic focus and a realistic vision of the future of computing, the opportunities are enormous.

Best wishes,

Larry Finkelstein,  
Dean

## PROFESSOR ZHANG RECEIVES PRESTIGIOUS NSF CAREER AWARD



Donghui Zhang

**A**ssistant Professor Donghui Zhang has been awarded a National Science Foundation (NSF) Faculty Early Career Development (CAREER) Award, the NSF's most prestigious award for new faculty.

According to the NSF, CAREER awards support the early career development activities of teacher-scholars most likely to become academic leaders. Recipients are selected based on creative career development plans that integrate research and education.

Zhang won the five-year grant for his proposal, "Fast Query Support for Emerging Spatial Database Applications."

*According to the NSF, CAREER awards support the early career development activities of teacher-scholars most likely to become academic leaders.*

Zhang's primary research area is database systems and data mining. He has researched temporal, spatial, and spatio-temporal database indexing; aggregation queries and join processing; and efficiently storing and querying XML documents

[continued on page 3]

When students compete, everyone learns more. That's the idea behind Assistant Professor Guevara Noubir's interactive Network Security course, which was one of only two innovative educational initiatives recognized at the annual Colloquium for Information Systems Security Education (NCISSE) for its approach to security curriculum development.

NCISSE is an international conference whose attendees include the sixty universities, including Northeastern, that have been named Centers of Academic Excellence in Information Assurance Education by the National Security Agency. The conference was established to encourage collaboration among government, industry, and academia to strengthen and expand information security education.

*“When students compete against each other, they are more motivated.”*

Noubir's fourteen-week course teaches graduate students the fundamentals of network security and culminates with a two-day competition that pits student teams against one another to see who can create the most hacker-resistant network.

“When students compete against each other, they are more motivated to



Guevara Noubir

check each other's work carefully in order to defeat the opponents,” Noubir says.

The course competition is modeled after similar contests held by a number of security groups, ranging from national professional organizations to Northeastern's own Crew (the volunteer systems group). What sets the course apart is the high level of instruction students get before the competition begins.

In lab assignments throughout the semester, students set up servers and try to institute known attacks or protect their networks against them. They complete mathematics-based homework assignments to better understand the theoretical underpinnings of security

issues. And they develop a secure instant messaging program that will become part of the network they protect during the competition.

After the NCISSE presentation, eleven universities contacted Noubir to request course materials. The response has been so strong that Noubir is planning to set up a Web site where registered instructors can download new laboratory assignments and share their experiences.

Noubir also plans a series of improvements to the popular course. For instance, students last year didn't compete until the final week of class. This year, they will get a not-for-credit trial run during the tenth week so that everyone better understands the demands of the contest environment. Noubir will also require students to post their code by the tenth week so that the teams have adequate time to analyze one another's work for strengths and weaknesses.

“They missed things because they didn't have enough time with it,” he says. “I don't want that to happen.”

Noubir hopes to institute an undergraduate version of the course this year. “Competition is motivating. I think it will be good for undergraduate students to know that they can participate in this kind of competition.” +

[Zhang continued from page 2]

that evolve over time. His current research interest also includes some geographic information system problems.

Spatial databases and geographic information systems are used in common applications such as environmental systems, corporate decision support systems, and travel arrangement systems. Most of these applications contain huge volumes of data. Zhang plans to examine efficient query processing systems for selection query, aggregation query, and proximity query.

The selection query finds the objects in a user-specified region, such as downtown Boston. The aggregation query computes some aggregate information in a user-specified region, such as the total number of restaurants in a given region or the total rainfall in New York state over the past year. The actual objects do not have to be named, but simply quantified. The proximity query finds results based on the closeness of objects. For instance, the hotel/library pair that is closest to one another, the location for a potential supermarket that will be close to the maximum number of residents, or an apartment whose total distance to a supermarket and a subway station is minimal.

As part of the CAREER award, the project will also enrich educational opportunities at Northeastern by creating opportunities for students to participate in Zhang's research. +

## SUMMER CAMP IS A HIT WITH STUDENTS

It's rare that students like a course so much they want to share it with others. That's exactly what happened when a group of CCIS students offered a pared-down version of the popular freshman curriculum to middle- and high-school students last summer.

*“The class was originally supposed to run from 9 AM to 4 PM, but students got so involved they ended up staying until 5 or 5:30 PM.”*

The freshman curriculum, based on Trustee Professor Matthias Fellseisen's acclaimed TeachScheme! program, eliminates the details of syntax from introductory computing lessons and jumps right into programming as problem solving. The program is used at hundreds of high schools and colleges around the world, including Rice University, Brown University, and the University of Chicago.

Dubbing themselves Teachgroup, the CCIS students adapted TeachScheme! to create the one-week Compass Computer Camps. Led by Rachel Mark, '04, and Christopher Burns, '07, CCIS students taught eighth through eleventh graders to design and implement simple arcade



games and common computer science puzzles like the eight queens puzzle. The camp was supported by several CCIS alumni.

“The program was a tremendous success. Students were very excited about it,” says Leslie Schneider, who served as an adviser to the students. “The class was originally supposed to run from 9 AM to 4 PM, but students got so involved they ended up staying until 5 or 5:30 PM.”

“Teaching at Compass Camps was a very rewarding experience,” said Mike MacHenry, '04, a member of Teachgroup. “It was a lot of fun for the undergraduates to share their enthusiasm with the campers. It was also a very good learning experience for the teachers. Nothing reinforces a topic one has learned quite like teaching it to someone else.” +



Students in grades eight to eleven learned the basics of computing from a team of CCIS students this summer.

## NEW MASTER'S PROGRAM TACKLES SECURITY FROM MANY ANGLES

In the field of security, it's not always enough to know how to create a technically secure network. You need to know how to get people to use it properly. And if the system is breached, you need to know how to track down the offender.

To address these issues, the College of Computer and Information Science and the College of Criminal Justice are joining forces to offer an interdisciplinary MS degree program in information assurance. Courses will begin this spring.

"Security has a lot to do with social context," says Professor Agnes Chan, associate dean and director of graduate programs, who spearheaded the effort to create the new degree program. "If your infrastructure is technically excellent but not user-friendly, people won't use it. All that technology is useless."

Another problem security professionals face in the real world is cost-benefit ratios. "There's no such thing as one hundred percent secure," Chan says. "A business has to decide how much risk it is willing to take, and how much it is

willing to spend to reduce risk. These are not computer science questions. They involve economics and business."

But perhaps the thorniest problems are those that involve legal issues. "Telecommunications and other high-tech industries are governed by regulations," Chan says. While a computer scientist might know how to get evidence about who is committing a cyber crime, that evidence may not be admissible in court. "Criminal justice is concerned with forensics—how to gather evidence and trace criminal acts in the best way."

Chan, who also led CCIS's successful effort to become an NSA-designated Center of Academic Excellence in Information Assurance Education two years ago, says she got the idea for the interdisciplinary degree program from attending information assurance conferences and learning about other successful initiatives. She says many computer science programs team up with political science, psychology, and law. Very few have partners in law enforcement. With



Agnes Chan

Northeastern's nationally recognized criminal justice program right across campus, the alliance was a natural.

"CCIS can't provide expertise in every aspect of information assurance," she says. "This program will allow us to draw on other experts to educate security professionals with the necessary range of skills." +

## NEW DUAL MAJORS INCREASE STUDENT OPTIONS

Dual majors give motivated students a chance to increase their skills and their competitiveness in the job market. CCIS plans to add three new dual majors to its curriculum in the next year, bringing the total number to seven.

"The point of dual majors is to give students an opportunity to have solid expertise in a second discipline, and to learn to apply computing to that discipline," says Professor Richard Rasala, associate dean and director of undergraduate programs.

The new dual majors, which are expected to be approved in time to implement in fall 2005, include computer science and biology, multimedia studies, and music technology. In addition to these, the college already offers dual degrees in computer science and mathematics, cognitive psychology, physics, and information science. These programs have already attracted almost seventy students.



Richard Rasala

Other areas in which dual majors are being explored are business and the visual arts, including graphic design, animation, and photography.

Before it can be offered to students, a dual degree program has to be approved

by the faculty in both disciplines, the co-op coordinators for both disciplines, the college curriculum committees, and the University Undergraduate Curriculum Committee. The program has to define the dual degree requirements, include one or more sample programs that take into account when a student might enter the program and what co-op division will be required, and describe how the co-op coordinators for the two disciplines will coordinate the development and supervision of the interdisciplinary co-op assignments.

"Dual majors tend to be among the most challenging programs, so they are attractive to the best students," Rasala says. "Having a broad array of programs helps us continue to attract strong students to the college." +

## NORTHEASTERN ACM AWARDED FOR OUTSTANDING PROGRAMMING

The Northeastern student chapter of the Association for Computing Machinery (ACM) received the Best Activities Award from the national ACM for the 2003–2004 academic year. This is the second year the ACM has earned national recognition; last year, the group took top honors for Best Web Site. To earn the most recent prize, the chapter organized gaming events, competitions, and lectures on topics such as aspect-oriented programming, the evolution of WLAN, and entrepreneurship.

One of the group's most notable events is its Speaker Series, held Wednesdays during lunch. "We are lucky enough to be in the technology-driven city of Boston," the students told the judges in their application for the award: "We have an enormous amount of talented and well-known professionals who are the lead innovators in their field and our speaker series has featured such speakers from industry and academia." The series usually attracts between forty and sixty-five people, including undergraduates, graduate students, and faculty from CCIS and other disciplines.

With support from faculty advisor Viera Proulx, the group offers a Student Workshop Series for peers "with general programming knowledge, open minds,



Northeastern's chapter of the Association for Computing Machinery (ACM), pictured above, earned the 2003–2004 Best Activities Award from the national organization for events like Geek Week, the spring barbecue, and the popular Speaker Series.

and the willingness to learn." These workshops meet once a week for two hours and run for four to six weeks. The series is now in its third year. CCIS recently agreed to provide funding so that student volunteers can be paid for their work.

ACM's bi annual Geek Week brings together students from technology-oriented groups across campus, including the Institute of Electrical and Electronics Engineers (IEEE) student chapter, the Electronic Gamerz, Chess Club, Multimedia Club, Crew (CCIS's volunteer systems group), and others. Events include a chess tournament, electronic gaming

night, pool tournament, movie night, board game night, LAN party, and community social outing. In the fall, Geek Week is used for student recruiting; in the spring it is a celebration of a nearly completed year.

ACM also hosts an annual spring barbecue for students, faculty, and staff, and monthly dinners for smaller groups of faculty and students.

"The student chapter of ACM is extraordinarily active and creative in its programming," says CCIS Dean Larry Finkelstein. "They truly deserve this honor from the national organization, and I'm very happy for them." +

## STUDENT ACHIEVEMENTS

**Igor Malioutov, '04**, a dual major in computer science and mathematics, is now an MS/PhD candidate at MIT. Malioutov had an extraordinary academic career at Northeastern, including work at the London School of Economics (LSE), the British Parliament, and Cambridge University. He completed a sociology honors project shipping computers to disadvantaged Nicaraguan children in his junior year. At the LSE, he took classes in public policy and wrote a dissertation on energy policy, interning for a member of Parliament. As a research assistant in Parliament, he researched defense policy for the Office of the Shadow Secretary of Defense. Malioutov was also a visiting research scientist at the Imperial College in London in the Blackett Laboratory of high-energy physics, representing Northeastern Professor Gene Cooperman's parallel computing group. As a Junior Speech Scientist at BBN Technologies, a subsidiary of Verizon, he conducted research on speech recognition, English language modeling, and statistical natural language processing. At the Cambridge University International Summer School, he took classes in international politics, philosophy, history of mathematics, and science. At MIT, Malioutov is in the speech and language systems group in the Department of Electrical Engineering and Computer Science.

**Marc Dougherty, '04**, spoke at the 13th USENIX Security Symposium in San Diego last summer on his experiences organizing CCIS's Capture the Flag contests. Dougherty has made a significant contribution to the annual event as a senior member of the Crew, the college's volunteer systems group. The goal of the contest is for participants to defend their machines and services while simultaneously attacking the other machines on a closed network. To help students do well in this contest and broaden their security education, the Crew runs a series of short classes on securing different operating systems and networks before the contest begins. Dougherty has been one of the primary organizers, architects, and administrators of the contest, and has co-taught one of the short classes and several of the general technical lectures given at crew meetings.

PhD candidate **Jiangzhuo Chen** has resolved the problem of determining the capacity of the Internet to carry data. Chen's solution was developed in collaboration with others, most notably world-renowned mathematician Laszlo Lovasz, and appears in a series of two papers in the ACM Symposium on Theory

[continued on page 7]

## STUDENT REPRESENTS NU AT INTERNATIONAL CO-OP CONFERENCE

Senior Andrea Grimes, '05, was one of two Northeastern students to represent the University at the International Symposium on Work Integrated Learning in Sweden this June. The symposium, sponsored by the World Association for Cooperative Education (WACE), provided an opportunity for an international group of researchers and practitioners to explore issues and exchange experiences on cooperative education.

"We were there to share our thoughts on co-op," Grimes says. "But the greatest thing for me was having a chance to reflect on my Northeastern experience. To say, 'I started at this point and I improved in these ways, not just as a student but as a person.'"

To win a place on the Northeastern contingent, Grimes competed against dozens of applicants and eight finalists who were interviewed individually. Her co-op and academic work more than qualified her as an ideal example of the value of cooperative education.

As a freshman, Grimes began working in Professor Robert Futrelle's Biologic Knowledge Lab, where she developed software to help biologists search large technical databases. By her junior year she had co-authored three peer-reviewed presentations, including a poster at the Institute of Electrical and Electronics Engineers (IEEE) Computational Systems Bioinformatics Conference.

In her senior year, Grimes shifted gears and did a co-op with Citigroup, working as a software developer in its fixed income technologies group. "I wanted to have varied experiences so that I could make a better career decision when I graduated," she explains.

*"We were there to share our thoughts on co-op," Grimes says. "But the greatest thing for me was having a chance to reflect on my Northeastern experience. To say, 'I started at this point and I improved in these ways, not just as a student but as a person.'"*

On top of her research and co-op work, Grimes is an Honors student and Bunche scholar. The co-op symposium was her first opportunity to travel abroad. "It was amazing," she says. "We were in a non-tourist area, so we had a perfect opportunity to experience how people live."

WACE is an alliance of higher education, business, and government representatives with about a thousand members in more than forty countries. Grimes met students from Canada,



Andrea Grimes, '05

Sweden, Singapore, Switzerland, Norway, and Germany. "It was interesting to see how co-op is done in different places," she says. "In Sweden, schools are much more involved in structuring the co-op assignment and students usually stay with one employer."

WACE alternately runs biennial world conferences and symposia. World conferences typically showcase formal research presentations on cooperative education, while the symposia allow time for interactive sessions and deeper exploration and debate on current issues. The 2004 Symposium was hosted by the University of Trollhättan/Uddevalla on the West Coast of Sweden. The 2005 World Conference will be held on the Northeastern campus. +

[Student Achievements continued from page 6]

of Computing in 2003 and 2004. For his doctoral thesis, Chen is continuing to study practical ways to render and apply his solutions.

PhD candidate **Huanmei Wu** has been working closely with Gregory Sharp and Steve Jiang in the Massachusetts General Hospital Radiology Oncology Department. She has made a model of lung tumor movement. As patients breathe, their lungs expand and contract. If they have a tumor on their lungs, the tumor moves with the lung. Thus, it becomes difficult to aim a laser at the tumor. Wu has been able to model this movement using piecewise linear approximations. She is then able to predict future movement given the sequences of past movement for the same patient. She has given a presentation of this work in a medical conference. In addition, she has published another paper on piecewise linear approximations where she used a similar technique to predict financial trends. This paper was published in the proceedings of the ACM Special Interest Group on Management of Data, in Paris in June 2004.

PhD students **Dave Herman** and **Philippe Meunier** have published a paper titled, "Improving the Static Analysis of Embedded Languages via Partial Evaluation" in the International Conference on Functional Programming, one of the elite conferences in the field of programming languages. An important trend in modern programming languages is the ability of application programmers to extend the language when needed for new areas of application. However, this makes it difficult to design debugging tools, since the tools cannot predict what extensions programmers might add. Herman's and Meunier's paper demonstrates a technique for transforming such extensions so that debugging tools for the original language will remain useful and continue to give useful feedback to the programmer.

**The following awards were presented at the college's graduation ceremony on April 28, 2004.**

*Outstanding Undergraduate Research Award: Igor Malioutov*

*Outstanding Undergraduate Teaching Award: Marc Dougherty*

*Distinguished Undergraduate Citizenship Award: Rachel Mark*

*Outstanding Graduate Research Award: Huanmei Wu, Sergei Kojarski*

*Distinguished Graduate Citizenship Award: Fabio Rojas +*

## LOPES EARNS OUTSTANDING ALUMNI AWARD

**C**ristina Lopes, PhD, '98, whose doctoral dissertation is considered the foundation of aspect-oriented programming (AOP), will receive an Outstanding Alumni Award this fall.

The award, given to alumni "whose professional attainment and service to community bring honor to themselves and to the University," is Northeastern's highest alumni award.

"Crista's brilliant work opened up an entirely new area of research," says Professor Karl Lieberherr, who served as her adviser on her dissertation, titled "D: A Language Framework for Distributed Programming." "It was an honor to work with her when she was at Northeastern, and a privilege to be able to present her with this well-deserved recognition."

While working on her PhD, Lopes became a researcher at the Xerox Palo Alto Research Center (PARC), where she joined Gregor Kiczales' team, which developed AOP further and started aspectj.org. Aspectj is the first production-quality general-purpose AOP language.

AOP complements object-oriented programming by allowing a developer to modify object-oriented code to create a system that can grow to meet new requirements. AOP supports the modularization of cross-cutting concerns whose ad hoc implementation would cut across many objects.

In 2002, Lopes left Xerox PARC to join the faculty of the Donald Bren School of Information and Computer Sciences at the University of California Irvine. Her research has expanded into ubiquitous computing, programming languages, security, and applications of audio signal processing.



Cristina Lopes, PhD, '98

*"Crista's brilliant work opened up an entirely new area of research. It was an honor to work with her when she was at Northeastern, and a privilege to be able to present her with this well-deserved recognition."*

"The common thread in my research is languages and communication systems," she says. In ubiquitous computing, or the creation of pervasive, secure and intuitive computing tools, she is looking at problems that arise in programming small devices with limited capabilities.

Lopes is currently pursuing two areas of research: exploring audio channels for several purposes, including for

short-range communications in ubiquitous computing; and exploring how certain mechanisms in natural languages can be used to design programming languages that are more expressive, and with which programs become more understandable.

Lopes will receive the Outstanding Alumni Award at Homecoming, Friday, October 29. +

# COLLEGE OF COMPUTER AND INFORMATION SCIENCE

## SUPPORTERS, 2003–2004

The following list includes CCIS alumni who made gifts or pledges to any Northeastern University fund, as well as alumni and friends who directed their gifts specifically to CCIS, between July 1, 2003 and June 30, 2004. Every effort was made to ensure the accuracy of this list. Our sincere apologies for any errors or omissions that may have occurred.

Akochi Agunwamba, '02	Thomas Ferreira, '91*	Lei Li, '01	Michael Shay, '92*
Evgeny Aizenshtein, '01	Andrew Fijalkowski, '87*	Raymond Lisiecki, '98*	Joseph Scola, '88
Adeola Aladesulu, '03*	Larry* Finkelstein	Michael Llewellyn, '86*	Yong Shao, '01
David Allen, '86	Duncan Fisher, '98*	Massimo Loi, '01	Michael Shay, '92
Paulo Amaral, '94	Mark Frydenberg, '87	Joseph Lynch*	Jenny Siede, '94*
Mohnish Anumala, '96	Susan George, '90	Lisa Lynch, '84*	Ignacio Silva-Lepe, '89*
Errol Apostolopoulo, '88	Marjorie Ginsburg, '87*	Patrick Macolino, '89	Kim Silva-Lepe, '92*
Joseph Bangs, '90*	Mark Glennon, '04	David Mak, '93	Artan Simeqi, '01
Barbette Barlow, '89*	David Goldberg, '91	David Makar, '99*	Janna Slaboden, '00*
Maurice Barrant, '95	Lea Gottfredsen, '85	David Mark*	Mary Smith, *
Kevin Beard, '82*	Raymond Govotski, '84*	Michael McClain, '03*	Raoul Smith, *
Thomas Bentley, '89*	Rebecca Grautski, '93*	Kevin McGrath, '86*	Adam Sterns, '01
Catherine Bilotta-Lucia, '86	Robert Guilbert, '85*	Arthur Miller, '97*	Robert Sullivan, '89*
Frederick Boudreau, '87	Laura Hackel, '87*	Eric Miller, '94	Mani Sundaram, '99*
Stephen Burke*	Robert Hafer, '88*	Scott Miller, '92	Peter Tarasewich*
William Burke, '94	Christine Hammond, '88*	Gregory Moody, '93*	Michael Tiernan, '91*
Philip Burnham, '90	Ying Han, '94*	Sean Mullan, '97	James Tsillas, '99
Linda Cabeca, '89*	Zuwen He, '03*	Preshanth Nair, '99*	Yu-Jang Tswei, '91
Richard Callwood, '87	Steven Herrick, '95*	Akiko Nakashima, '03*	Thangaraj Veerappan, '94*
John Caux, '89*	Luk Ho, '88*	Ronald Nery, '90	John Venditti, '86*
Tyler Chambers, '98	Nicolaus Hofmeester, '96	Robert Newby, '92	Prakash Viswanathan, '00
Chin Chan, '95	Hector Ho Fuentes, '02	Donna Novak, '95	Frank Vozzo, '89
Wei Chen, '04	Ian Holland, '93*	Marsha Nunes, '97	Chengyin Wang, '94*
David Chase, '03*	Edward Hom, '02*	Diane Pacheco*	R. Wenzinger, '89*
G. Chiavettone, '90*	Guowei Hu, '98	Daniel Palma, '91*	Robert Wheeler, '71*
Todd Chinigo, '89*	Margaret Hurley, '87	William Parker, '90*	Bradley Whitmarsh, '99*
Brian Ciccolo, '01*	Arthur Huston, '98	Brian Perry, '90*	David Wong, '88*
Jeremy Clarke, '02	Rakhi Jain, '01	Homer Pien, '89*	Amy Wood, '87*
Cheryl Coleman, '89	Eric Jandron, '03*	Joseph and Kathryn Platnick, *	Stephen Wood, '00
Jeffrey Collin, '89	John Janeri, '94	George Plourde, '87	Susan Worst, '00*
Thomas Connors, '93*	Michael Jew, '99	William Poitras, '90	Furong Yang, '00*
Douglas Coutts, '92	Charlene Joyce, '87*	Robert Potter, '92*	Jung Yueh, '97*
Manuel Cuevas, '90*	Everett Kenerson, '90*	Thomas Proulx, '00	Muxiang Zhang, '98*
Jared Cugno, '04	Rashel Kesilman, '04	Philip Quinan, '93*	Martin Zoltick, '85*
Gary Cunha, '91*	Michael Klain, '89*	Arthur Riel, '85*	
Bruce Curran, '93*	Jennifer Klopotoski, '03*	Elan Riesman, '95*	CORPORATE AND
Corinne Dahman, '87*	Robert Klopotoski, '01*	Joseph Riess, '95	INSTITUTIONAL DONORS
Ari Daskalakis, '85	Thomas Kneeland, '96	Daniel Rinehart, '00	CMP Media LLC
Steven Davi, '91*	Melinda Kramer-Ernst, '83*	John Robinson, '03*	Foxboro Company
Jeffrey De Coste, '92	Jeffrey Ladino, '00*	Kristin Romine, '85	IBM Corporation
Rory Delapaz, '89*	Michael Lamoly, '98	Philip Roux, '87*	Microsoft Corporation
Ryan Dougherty, '04	Susan Landry, '92*	Christopher Saia, '99*	New England
Carl Dresselhaus, '88*	David Laporte, '00	John Samolyk*	Business Service
Christopher Dunn, '89*	John Lawson, '99*	Ilise Samolyk, '90*	Object Technology
Thomas Edwards, '87	Catherine Leamy, '01*	Neeraj Sangal*	International
Ramon Eves, '85	Jason Leatherman, '93	Andrej Sarkic, '99	Versal Charities
Walter Eykel, '86*	David Lepauloue, '89*	Michael Schenk, '01	Waters Corporation
Todd Fellela, '85	Jones Leung, '99*	Scot Schneider, '97*	

\* Indicates donors who directed their gifts to the College of Computer and Information Science.

## WEST VILLAGE H: THE NEW COLLEGE OF COMPUTER AND INFORMATION SCIENCE



The Grand Staircase features translucent stairs and a view of the Gicca Atrium.



*West Village H, overlooking Huntington Avenue, was designed with plenty of informal meeting space to encourage faculty-student interaction.*

*West Village H provides the physical space, facilities, and computing infrastructure to enable CCIS to build an integrated learning community.*





An informal seminar in the Network Security Lab.



*The new building is outfitted with two PC labs, a general-purpose computing lab, and wireless networking throughout.*



“These two topics are of paramount importance to the nation’s economic health and national security,” Finkelstein says. “They also align with the college’s intellectual strengths and will give us an opportunity to showcase our leadership in the software and security fields.”

The one-day Tech Forum will also include an official inauguration ceremony and tours of the new building called West Village H. The inauguration will feature Northeastern President Richard M. Freeland, Provost Ahmed T. Abdelal, and Dean Finkelstein, as well as invited government officials. Remarks will focus on the ascendance of Northeastern in higher education, the importance of IT to the mission of the University, and the role the new building will play in helping CCIS realize its vision. A luncheon will be held for industry leaders, trustees, corporate sponsors, and other registered attendees.

Faculty and staff moved into the new building in the spring and classes began there this fall. The building features integrated learning centers in which faculty offices are surrounded by graduate student labs and plenty of space for informal faculty-student meetings. Teaching capabilities include a seventy-six-seat general-purpose computing laboratory and two PC labs with forty-eight and forty seats, which will be used for teaching introductory courses. The entire facility has wireless Internet access.

While there will be only one building inauguration, Finkelstein plans to make the Tech Forum a regular event. “We hope to expand the Tech Forum over time so that members of the high-tech community think of it as a vital opportunity to learn about future trends in the information technology space,” he says. +

*For information on attending the Tech Forum, please connect to [www.techforum.neu.edu](http://www.techforum.neu.edu).*

**Did you know you may target your gifts to CCIS programs and faculty? To learn more, please contact:**

**Diann Siegel  
Senior Major Gifts Officer  
Office of Advancement  
347 Richards Hall  
Northeastern University  
360 Huntington Avenue  
Boston, MA 02115  
[d.siegel@neu.edu](mailto:d.siegel@neu.edu)  
617.373.2190**



1027N



**COLLEGE OF COMPUTER  
AND INFORMATION SCIENCE**

202 West Village H  
Northeastern University  
360 Huntington Avenue  
Boston, MA 02115-5000

*Address Correction Requested*

NONPROFIT  
U.S. POSTAGE  
PAID  
BOSTON, MA  
PERMIT NO. 430