

CCIS network

Fall 2003

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

Faculty

Letter from the Dean	2
CCIS Faculty Command Attention	3

Alumni

Recent Alum Goes Google over Networking	7
Alumna Finds Home at NATO	8

Students and News

Partnerships Enrich University Life	2
Student Group Trades Work for Experience	4
Security Agency Funds Two Undergrads	5
Junior Making Waves in Bioinformatics	6
New CCIS Home is on Track	9
Young Alumni Setting a New Standard for Philanthropy	10
2002–2003 Donor List	11
Goals of the Leadership Campaign	12



Northeastern

UNIVERSITY

Higher Learning. Richer Experience.



New faculty members Ravi Sundaram (left) and Jay Aslam enrich CCIS with their unique blends of theoretical and practical computing expertise.

TWO MORE STARS LIGHT UP CCIS FACULTY

Ravi Sundaram and Jay Aslam were PhD candidates together at the Massachusetts Institute of Technology in the mid-1990s. After graduate school, they headed in separate directions—Sundaram toward industry and Aslam toward academia. This year, both have returned to Boston's academic community as the newest members of the CCIS faculty.

The two new hires are a further sign of CCIS's increasing ability to attract the most talented researchers and practitioners to its faculty roster.

Sundaram spent two years as a bond arbitrageur before returning to computer science at Akamai Technologies, Inc., where he held posts as a research scientist, director of engineering, and product manager. While researching performance issues in distributed networks, he teamed up with Northeastern Professor Rajmohan Rajaraman, with whom he published a paper in the proceedings of the ACM Symposium on Theory of

Computing in June 2003. Partly as a result of that work, he was attracted back to academia.

"Industry is satisfying in the sense that you can have a practical impact," Sundaram says. "One of the harder things is that it's not easy to renew yourself. In academic publishing, every now and then you can change."

The other appeal of academia, he says, is the excitement of working with talented students and faculty. "There are a lot of young, bright people coming through. If you can attract them, get them interested, you get a smart group of colleagues. It's very satisfying."

At Northeastern, Sundaram plans to continue his work in network performance, quality of service, and security. He also plans to maintain ties to industry. "I like to keep a foot in both camps, theoretical and practical," he says.

Aslam, one year ahead of Sundaram at MIT, chose to stick to the academic route with a postdoc at Harvard University and a

[continued on page 8]

LETTER FROM THE DEAN



The upcoming year holds great promise as we prepare to move in May to our new home in the sixteen-story tower rising on Huntington Avenue. There will be a formal event celebrating the opening of the new building, and I will be writing to you as soon as the date is set.

The new building gives us an enormous opportunity to advance the reputation and perception of the college, and to significantly strengthen our programs in education and research. Needless to say, our students and faculty are eagerly awaiting the move.

This year, we made great strides toward meeting our goal of becoming one of the top fifty nationally ranked programs in computer and information science. Ultimately, we will reach this goal through the quality of our faculty and the accomplishments of our students and alumni.

Our faculty continues to play a prominent role in the computer and information science field, giving invited presentations at major research venues and organizing major conferences and workshops. The research activities of the faculty also had an interesting impact on our educational program. Last

year, I wrote to you about how Northeastern University, under the leadership of Associate Dean and Professor Agnes Chan, was certified by the National Security Agency as a Center of Academic Excellence in Information Assurance Education. As a result of this certification, Professor Chan was able to secure funding from NSA for two undergraduate students who will have their tuition paid, receive a \$10,000 stipend, and work in a co-op at a government research lab.

One final note: This spring we graduated our first students with a bachelor's degree in Information Science.

I look forward to another great academic year in terms of advancing the reputation of the college—one that promises to culminate in perhaps the most significant event since the college was founded in 1982: the move into our new home.

Best wishes,

Larry Finkelstein,
Dean

PARTNERSHIPS ENRICH CORPORATE AND UNIVERSITY LIFE

Co-op positions. Courses taught by business leaders. Grants for curriculum development. Research funding.

These are just some of the benefits of strong University-corporate partnerships.

“Our goal is to engage corporations in the life of the college,” says Vice President for Corporate Outreach Marian Stanley, who is responsible for helping to establish and maintain strong relationships between Northeastern and companies with parallel interests.

At CCIS, a number of key supporters enhance campus life. One of the most prominent is Microsoft. Last year, the software giant provided free software licenses, funding for faculty and student research programs, curriculum development, and systems support. It named

CCIS one of the top fifty computer science programs in the country, opening the door for an even higher level of collaboration.

Microsoft isn't alone in supporting CCIS teaching and research. Sun Microsystems, IBM, and other companies actively support the college to ensure continued research and appropriate training of the next generation of computer and information science professionals.

General Electric hosted GE Partnership Day in which about fifteen executives, many of them Northeastern alumni, spent a day on campus talking formally and informally with students and faculty about career choices, business opportunities, and more. The company also awards research grants and provides opportunities for faculty to serve on its advisory boards.

Information management leader EMC Corporation is teaming up with CCIS faculty to develop a “Principles of Storage Technology” course. The course will focus on state-of-the-art issues and will expose students to sophisticated modeling tools. Liberty Mutual and Microsoft have also supported curriculum development initiatives in their fields.

Opportunities for finding ways for CCIS and technology-focused companies to support one another abound, and Stanley is busy developing creative solutions to meet the needs of both sides. “We're enriched by these kinds of relationships,” she says. “I think they are too.” +

THROUGH KEYNOTE SPEECHES, CCIS FACULTY COMMAND ATTENTION

Northeastern's stature in the computer science community has been growing by leaps and bounds, judging by the number of CCIS faculty who have been invited to give major addresses at professional conferences recently.

Professor **Karl Lieberherr** will give a keynote address at the International Conference on Software Engineering (ICSE) in Scotland in May 2004. Billed as the premier conference for software engineers, the meeting attracts more than one thousand engineers.

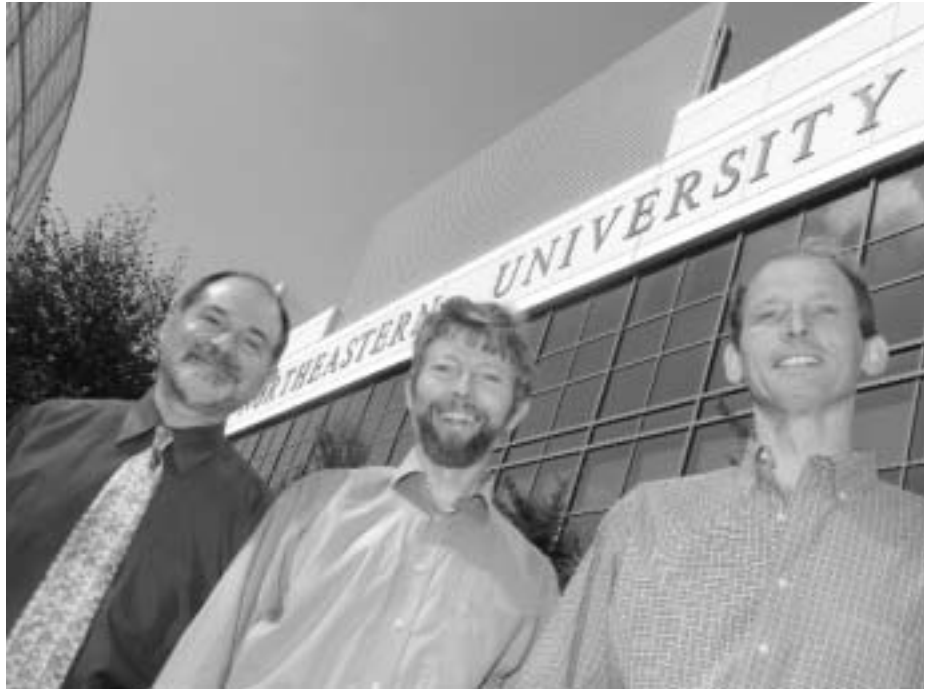
Lieberherr is described in superlatives on the ICSE Web site: "Distinguished

"There's immediate feedback from a computer; it engages the student . . . When you do a program, you end up with something useful."

software development researcher. Pioneer of software component research. Responsible for innovative early work in aspect-oriented and adaptive programming."

Although he hasn't finalized his talk yet, Lieberherr plans to speak on aspect-oriented software development, an area in which Northeastern has been a leader since one of his PhD students, Cristina Lopes, '97, wrote a seminal dissertation on the topic. "Crista's work has been cited by many as an innovative approach to this field," Lieberherr says.

Professor **Mitchell Wand** approached aspect-oriented programming (AOP) from a slightly different angle at the Programming Language and Implementation meeting in Sweden in August, where he was the invited keynote speaker. The event was a joint session of two meetings for programmers, the International Conference on Functional Programming (ICFP), and Principles and Practices of Declarative Programming. Wand also served as general chair of the ICFP steering committee.



Professors Mitch Wand, Karl Lieberherr, and Matthias Felleisen (left to right) are attracting wide audiences at top academic conferences.

"I've spent the last couple of years working with software engineers on aspect-oriented programming," he says. "This talk gave me a chance to connect back to researchers."

Wand says a fundamental need for the advanced capabilities of aspect-oriented programming is heightening interest in the topic. "Competing demands on modern software systems have stressed our existing methods for organizing information to the limit," he says. "Aspect-oriented programming is a new set of techniques for organizing such systems."

In one of several recent talks, Trustee Professor **Matthias Felleisen** discussed bringing advanced programming concepts to the high school level in an invited talk at the 2002 Principles of Programming Languages (POPL) meeting, the major conference in programming languages.

"Over the last eight years, I've taken advanced research and applied it to the development of a radically new curriculum for high school," he says. During that time, his visibility at POPL, where he was once a major player, decreased significantly. Last year, the organization invited him back to talk about what he's been doing.

Felleisen returned to the meeting with far-reaching new plans for the discipline of programming. He has already attracted some 250 teachers to his high school programming curriculum, and hopes it will eventually replace mathematics as the primary subject through which students learn systematic, logical thought.

"There's immediate feedback from a computer; it engages the student," he explains. "When you do a program, you end up with something useful. When you solve a math problem, all you have is a piece of paper." +

STUDENT GROUP TRADES WORK FOR EXPERIENCE

From investigating wireless network solutions for Cullinane Hall to providing peer-to-peer education, “the Crew”—CCIS’s student-volunteer systems group—helps keep the college’s computing infrastructure running smoothly.

“Some of the most interesting things on my resume are related to Crew,” says Marc Dougherty, ’04, one of dozens of CCIS students who have traded free labor for system privileges and a chance to learn firsthand about the politics and practical issues involved in providing computing services to a large academic community. “I’m using skills that, as a student, you’re not always used to using.”

“Some of the most interesting things on my resume are related to Crew.”

A case in point: the Capture the Flag contest, a hack-or-be-hacked competition in which Northeastern students learn network security by trying to protect their own computers while gaining control of others. The Crew sets up a private network, configures the machines, establishes rules, and hosts the event. Dougherty is organizing this year’s event. “I’m making sure everyone stays on task,” he says. “It’s valuable experience.”

Ian Langworth, ’06, another Crew member and Capture the Flag organizer, says the group is committed to continually improving the four-year-old event. They were inspired this year by attending DefCon, an annual security conference held in August in Las Vegas. Among the innovations to be introduced this year is a projector that displays live scores as contestants advance. “We want to create more of a party atmosphere,” Langworth says.

Contestants have one day to set up their systems before two days of active competition. Skills vary widely depending on individual students’ experience with security, but the Crew tries to level the playing field by offering talks on security issues for those who want to brush up. “We’ve had an excellent response,” Dougherty says.

When they’re not preoccupied with Capture the Flag, Crew members support CCIS computing in many ways. When a faculty member requested Web mail service for checking e-mail away from campus, Crew sorted through the options and made a recommendation. When Linux computers were needed, Crew created a system compatible with the CCIS network, and now helps support fifteen Linux computers in the Unix lab.

In some cases, Crew members themselves fuel the drive for new capabilities. That was the case when they began testing wireless networking solutions for Cullinane Hall. The project was eventually taken over by the CCIS Systems Group, and a complete wireless network has been installed.

The same may ultimately happen with an intrusion detection system Dougherty is working on. He’s currently monitoring one part of the CCIS system for potentially malicious content going in or out, and the Systems Group has expressed an interest in expanding the project.

“The students have an unlimited amount of energy,” says David Blank-Edelman, an adviser to the group and Director–Technology for CCIS. “They’re very smart. That gives us the opportunity to improve the environment in various ways.” ✦



Ian Langworth and Marc Dougherty (left to right in foreground) have emerged as leaders of the Crew, CCIS’s student-volunteer systems group.

SECURITY AGENCY FUNDS TWO UNDERGRADS

Just one year after Northeastern was designated a Center of Academic Excellence in Information Assurance Education by the National Security Agency (NSA), two students have received scholarships under the program.

“It was a competitive process,” Chan says. “Nationally, only thirty-three of two hundred applicants won scholarships.”

The two undergraduates will receive full tuition and fees, a \$10,000 stipend, a laptop computer, a co-op assignment, and paid travel to a professional security conference. Both will be given the impressive title of “information assurance scholar” during the co-op. The program is being administered by Professor Agnes Chan, who also led the effort to have Northeastern named a Center of Excellence.

“It was a competitive process,” Chan says. “Nationally, only thirty-three of two hundred applicants won scholarships.”

One of the CCIS students, middler Daniel Kurtz, will do his co-op at the NSA in Washington. The other, junior Emerson Wiley, will go to the Naval Research Lab. Specific assignments are still being worked out. Although they’re both getting the same award, the two students are approaching it with different missions.

“I’ve been involved in security since ninth or tenth grade,” says Wiley, a dual major in computer science and psychology. “It’s definitely what I want to do. I got the e-mail, and I thought this looked great.” Wiley had hoped to do co-ops at security firms in the Boston area when he came to Northeastern, but a soft job market meant assignments at small



Emerson Wiley (left) is one of two undergraduates to receive NSA funding as a result of Professor Agnes Chan’s successful efforts to win recognition and support from the government agency.

firms were rare. Instead, he took systems administration positions at Harvard University, in the network operations center and the physics department. The NSA co-op will more than make up for the local shortage.

Kurtz approached his application with an open mind regarding career goals. “I take whatever classes interest me and will benefit me,” he says. “I like to keep my options open.” With a dual major in computer science and cognitive psychology and a minor in East Asian studies, Kurtz is certainly doing that. He will travel to Japan this semester to com-

plete most of his East Asian studies courses before taking the NSA co-op next year.

Northeastern is one of fifty NSA Centers of Academic Excellence in the United States. The Centers of Excellence program was developed to promote higher education in information assurance and produce a larger number of professionals with information assurance expertise in a variety of disciplines. +

JUNIOR ANDREA GRIMES IS MAKING WAVES IN BIOINFORMATICS

With three published papers in the red-hot field of bioinformatics, junior Andrea Grimes is a prime example of what Northeastern can do for a motivated student.

“I applied to a lot of schools,” says the Honors student and Bunche scholar. “I liked Northeastern the best, especially after meeting the faculty and dean, and especially because of the opportunity to do research here.”

“When I started school, I was pretty sure I wanted a PhD in computational linguistics. Now I think there’s a lot of potential in bioinformatics.”

When she got to campus, Grimes quickly aligned herself with Professor Robert Futrelle’s Biologic Knowledge Lab, where she focused on enabling biologists to search large volumes of data by asking questions in common scientific terms.

Although she had no biology background, Grimes dove in to the task of creating analytical software as a co-op student in Futrelle’s lab. “I’m interested in computational linguistics,” she explains. “I was able to dive in without having a strong biology background because we’re looking at how biologists package information.”

Grimes’s program takes advantage of the relatively simple and repetitive language patterns found in scientific research to uncover relationships that can help make the search process more intuitive. The volume of research in



Andrea Grimes’s analytic software makes searching biologic research databases more intuitive.

the fields of biology and biotechnology grows exponentially every year, making reliable search engines ever more crucial.

Grimes says her software, which was presented in a poster at the Institute of Electrical and Electronics Engineers Computer Society (IEEE) Computational Systems Bioinformatics Conference (CSB 2003) at Stanford University in August, could also be modified for other scientific databases, though it probably wouldn’t be reliable for ordinary consumer publications, where language styles are much more varied.

As Grimes has become immersed in bioinformatics, she has broadened her thoughts about her future career

opportunities. “When I started school, I was pretty sure I wanted a PhD in computational linguistics,” she says. “Now I think there’s a lot of potential in bioinformatics.”

Whatever she decides, Grimes is amassing the credentials she’ll need to open virtually any door. In addition to the IEEE poster—on which her name got first billing over Futrelle’s for the first time—she has been an author of papers presented at the International Conference on Document Analysis and Recognition 2003 and at the Workshop of Web Document Analysis 2003. +

What's one of the largest computer installations in the world?

If your first inclination is to search on Google for the answer, that should give you a hint.

With more than 20,000 machines dedicated to helping people find anything, anywhere, on the Web, Google runs more computers than almost any other organization.

Mark Logan, BS '02, is one of just sixteen software engineers on the front lines of maintaining the vast network. "Google is growing almost too fast to keep up with," he says. "I'm facing challenges of a scale I wouldn't have had elsewhere."

It's the scale, he says, that creates most of the work for the engineering team. "Most of the problems we work on are relatively easy when tackled at small scales," he says. "The basics of Web searching are easy. It's just the volume and the speed we go at it."

Reliability also presents some issues at the world's most popular search engine. "Google doesn't use the latest and greatest hardware," Logan explains. "Older hardware gives the best price-performance ratio." Their strategy, Logan says, is to buy inexpensive hardware and then develop software that tolerates hardware failure.

Logan started making a name for himself in large-systems administration while still a CCIS undergrad. His senior

thesis, coauthored with Professor Matthias Felleisen, was accepted by the 2002 Large Installation Systems Administration conference.

"Google is growing almost too fast to keep up with. I'm facing challenges of a scale I wouldn't have had elsewhere."

Titled "Environmental Acquisition in Network Management," the paper introduced a new language, Anomaly, for simplifying configuration management. "My opinion is that configuration management is as much a human interface problem as it is a computer science problem," Logan explains.

His work earned him acceptance into the PhD program at Georgia Tech, but Logan wasn't sure he was ready for graduate school. "I was not totally clear on what I was going for," he says.

The job offer from Google solidified his plans. "Once I got the job, everything became clear," he says. "If I didn't get a job I was really excited about, it might have been different." +



Mark Logan completed his search for the right job at the world's largest search engine.

EUROPEAN TOUR: RECENT ALUMNA FINDS A HOME (FOR NOW) AT NATO

From London to Oxford to Edinburgh, Lea Ruscio's fledgling career has already taken her more places than many people see in a lifetime.

The 1999 graduate's latest stop is NATO headquarters in Brussels, where she recently accepted a three-year post as a systems engineer. She'll be part of the NATO Battlefield Intelligence Collection and Exploitation Systems Agency, which runs the computer network NATO member nations use to communicate with one another.

"It will be great to be back in a city again—a multinational environment," says the Massachusetts native. "Right now I'm in the quintessential English countryside, with thatched roofs and sheep and cows everywhere."

Ruscio's international adventures began during her undergraduate years, when she completed study-abroad experiences at Oxford University and Goldsmiths College at the University of London. She also completed a co-op at the University of St. Andrews, Scotland, with Northeastern Professor Gene Cooperman, funded by a National Science Foundation grant program known as Research Experience for Undergraduates.

With her appetite for international travel whetted, Ruscio applied for and won a highly competitive Marshall Scholarship for two years of graduate study in the U.K. She chose the University of Edinburgh, where she completed a master's degree in artificial intelligence (AI) in the first year.

"In some ways, that was a follow-on from Northeastern," she says. "AI was the area that most caught my attention."



Lea Ruscio enjoys the countryside in Huntingdon, England, before heading off to Brussels to accept a job at NATO.

After she decided not to pursue a doctorate, Ruscio spent her second year at Edinburgh, taking whatever courses captured her imagination: European Union studies, Italian, and Scottish Gaelic. "I figured that since I was in Europe, it was a good chance to study the politics and culture of the area," she says.

When her two years were up, Ruscio decided she didn't want to leave. She called Mitre Corporation, a former co-op employer who had been holding a job for her back in the United States, and told her manager she needed more time. The manager did a quick search and found a two-year information management position available at Mitre Corporation's U.K. office.

"I was in the right place at the right time," Ruscio says. "It worked out on a lot of counts."

Although Ruscio didn't specifically study information management—the major hadn't yet been introduced at Northeastern when she was a student—she says the computer science skills she learned have served her well. "A lot of what I do at Mitre is programming," she explains. "I'm designing systems to deal with a lot of information."

And that brings us to the English countryside, where Ruscio is finishing up her Mitre appointment and about to embark on her NATO adventure. But stay tuned. If the past is any indication, this next stop certainly won't be her last. ✦

TWO MORE STARS LIGHT UP CCIS FACULTY

[continued from page 1]

faculty position at Dartmouth. But like his colleague, Aslam sees his work as a bridge between the theoretical and the practical.

"I like to work on the whole gamut, from the theory to the algorithms to the practical application," he says. Aslam

has a wide range of research interests, including information retrieval, machine learning, and networking and security. At Dartmouth, he was named one of the best professors on campus by the *Dartmouth Review*, which cited him for making complex subjects accessible as well as being "an eloquent critic of government control over your computer."

Dean Larry Finkelstein says the new hires are a strong indication of the growing prestige of the college. "Jay and Ravi are two great additions to the faculty," he says. "They represent the best of what we want to project to the world: outstanding academic credentials combined with the ability to apply theory to practice." ✦

TAKING SHAPE: NEW CCIS HOME IS ON TRACK TO OPEN IN FALL 2004

As the new CCIS building takes shape on West Campus, the benefits of the vertically integrated layout are becoming obvious.

“One of the primary thrusts of the design was to encourage serendipitous meetings,” says Dean Larry Finkelstein. “Right now, faculty are housed in Cullinane and Egan. This makes chance meetings infrequent.”

CCIS has been outgrowing its home in Cullinane Hall for twenty years. Few undergraduates have classes in Cullinane, so they only go there when they have a lab class or a formal meeting for academic or co-op advising. Faculty often find themselves racing from offices in the new Egan Center to classrooms in Cullinane to labs in both buildings.

The new building will feature a co-op and academic advising suite, faculty offices surrounded by graduate student labs, and an ample supply of seminar rooms and classrooms, including two seventy-five seat rooms, an eighty-seat Unix lab, and a forty-seat PC lab. Labs will be available for classes and independent study. The entire facility will have wireless Internet access. +



When school starts in fall 2004, CCIS will occupy the first four floors of the new building.



The new CCIS quarters offer a million-dollar view of the Boston skyline down Huntington Avenue.



Future office and lab space on the third floor looks out on the Museum of Fine Arts.

YOUNG ALUMNI SET A NEW STANDARD FOR PHILANTHROPY

Growing numbers of successful young CCIS alumni are giving back to the college in increasingly creative ways. The college received several major gifts in the past year from alumni fewer than fifteen years out of school.

Brian Perry, BS '90 and Greg Moody, BS '93, who teamed up nearly ten years ago to found Versal Technologies, Inc., joined forces this year to endow a \$50,000 scholarship fund.

"CCIS is becoming a very different place than it was when I went there," Perry says. "The people, the campus, the attitudes are different. What's happening now is that we're investing in the new Northeastern."

While the school is growing in prestige, he points out, it is important to continue to support qualified students who may not be able to attend otherwise.

"The students who are attracted to Northeastern are self-starters, the kind of people who will be successful professionally," says Moody. Both Perry and Moody have contributed to the college in the past, financially and by providing co-op jobs. Perry is serving as chair of the CCIS portion of the current University-wide capital campaign.

Perry and Moody want to encourage current students to think about becoming donors, so their scholarship comes with a request that recipients consider giving back to CCIS as their own careers advance. "I feel very strongly that people need to give back. One thing we're looking for is to have students understand their downstream responsibility," Moody says.

R. Brian Wenzinger, BS '89, shares that commitment to giving back. Wenzinger, an associate at investment manager Aronson+Johnson+Ortiz, established a \$25,000 endowed scholarship in the name of his mother who, as a single parent, put him through Northeastern with the help of a significant amount of merit scholarship support.

"The people, the campus, the attitudes are different. What's happening now is that we're investing in the new Northeastern."

"I got about 80 percent of my education subsidized, but my mother still struggled and stressed the whole time," he says. Now that he's able, Wenzinger is committed to helping other students in similar situations. Scholarships from the fund he established will be awarded based on merit, with a preference to students from single-parent households.

Ian Holland, PhD '92 and Pamela Holland, MS '90, designated a significant gift to the dean's discretionary fund. Ian is a vice president of architecture and systems engineering at Kronos Inc. and an adjunct professor at CCIS.

"I don't consider this a gift to the college, but to future students," he says. "The college is a good trustee of the gift." He gave to the discretionary fund because he wanted to give the college the flexibility to meet whatever needs arise. "Things large and small make a difference. This gift could pay for a piece of equipment, fund student travel to conferences, or pay the expenses of colloquia speakers."

One young alumnus has come up with an especially innovative way to encourage fellow alumni to give. **Joshua Seadia, BS '99**, a real estate broker for Coldwell Banker in Chestnut Hill, Mass., will give 10 percent of his sales commission to Northeastern when the buyer or seller is an alumnus. Given the price of homes in the area, that could easily amount to thousands of dollars per transaction—and Seadia will let the buyer designate the specific program each gift will support. (Visit www.joshuaseadia.com for more information.)

"I'm really excited about it," Seadia says. "I think it could have a big impact on Northeastern."

A group of three 1999 CCIS and College of Business Administration graduates had a similar goal when they set up an expendable fund to support current students.

"We all knew people who had to leave Northeastern and go to a state school," says one of the donors, who wishes to remain anonymous. "They were close, and they just needed an extra push."

The fund, called Leaders of Tomorrow, has already made several awards. Its founders hope to attract additional contributors as well as recipients. "It would be great if a lot of other young alumni contribute," one says. "We all had a fantastic experience at Northeastern, and we want to help others." ✦

COLLEGE OF COMPUTER AND INFORMATION SCIENCE

SUPPORTERS, 2002–2003

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, 2002 and June 30, 2003. Every effort was made to ensure the accuracy of this list. Our sincere apologies for any errors or omissions that may have occurred.

- Robert D. Abbott, '92
Adeola Aladesulu, '03*
Kristen D. Allaire, '98
David J. Allen, '86
Maurice Barrant, '95
Kevin N. Beard, '82*
Thomas M. Bentley, '89*
Catherine Bilotta-Lucia, '86
Frederick J. Boudreau, '87
Brian J. Breton, '86
Adam Bryant, '96
Stephen Burke*
Linda M. Cabeca, '89
Richard Callwood, '87
Scott B. Campbell, '87
John R. Caux, '89*
David R. Chase, '03*
Jason H. Chau, '94
Joseph E. Coffey, '91
Andrew B. Cohen, '86
Paul J. Cohen, '89
Thomas M. Connors, '93*
Paul A. Cortese, '88
Douglas W. Coutts, '92
Lisa A. Crose, '88
Manuel A. Cuevas, '90
Gary D. Cunha, '91
Bruce H. Curran, '93*
Steven M. Davi, '91*
Rory M. Delapaz, '89*
Jean M. Digiovanna, '89
Carl E. Dresselhaus, '88*
Christopher E. Dunn, '89*
Ramon J. Eves, '85
Walter S. Eykel, '86*
Todd A. Fellela, '85
Thomas M. Ferreira, '91
Andrew S. Fijalkowski, '87*
Larry Finkelstein*
Duncan S. Fisher, '98*
Kathleen A. Ford, '86
Marc Friedman, '88
Mark E. Frydenberg, '87
Susan Elbeery George, '90
Marjorie C. Ginsburg, '87*
Robert F. Glover, '88
David S. Goldberg, '91
Lea A. Gottfredsen, '85
Raymond M. Govotski, '84*
Edward Grise, '01
Robert J. Guilbert, '85*
Christine L. Hammond, '88*
Ying Han, '94
Steven E. Herrick, '95*
Ian M. Holland, '93*
Edward Hom, '02*
William Honneus, '95
Eric M. Jandron, '03*
Michael G. Jew, '99
Norman P. Joslin, '84
Charlene M. Joyce, '87*
Paula C. Justus, '93
Peter W. Karlson, '90
Everett H. Kenerson, '90*
Shane M. Kilmon, '95
Yong-Do Kim, '93
Michael S. Klain, '89
Robert A. Klopotoski, '01
Thomas J. Kneeland, '96
Jeffrey N. Ladino, '00
Ilise J. Landesberg, '90*
Susan E. Landry, '92*
Richard P. Larowe, '87
John A. Lawson, '99
Catherine H. Leamy, '01*
Timothy J. Leblanc, '94
David K. Lepauloue, '89
Jones S. Leung, '99*
Raymond Lisiecki, '98*
Michael L. Llewellyn, '86*
Joseph L. Lynch*
Lisa L. Lynch, '84*
Patrick G. Macolino, '89
Keith A. Majkut, '90
David Mak, '93
David M. Makar, '99*
David A. Mark*
Paul F. McCarron, '87
Daniel J. McCarthy, '88
Michael P. McClain, '03*
Kevin M. McGrath, '86*
David C. Messier, '94
Arthur W. Miller, '97*
Eric Miller, '94
Scott Z. Miller, '92
Preshanth Nair, '99*
Akiko Nakashima, '03*
Aleksey Y. Nelipa, '01
Donna L. Novak, '95
Dino P. Oliva, '89
Diane Pacheco*
Cheryl A. Pagliocca, '89
Daniel M. Palma, '91*
Young Jo Park, '85
William R. Parker, '90*
Peter Pashkov, '98
Carla Salvucci Pereira, '89
Brian K. Perry, '90*
Michael D. Pickwick, '93
Joseph and Kathryn Platnick*
Michael E. Poole, '91
Thomas J. Proulx, '00
Philip S. Quinan, '93*
Arthur J. Riel, '85*
Elan M. Riesman, '95*
Daniel G. Rinehart, '00
John D. Robinson, '03*
Kristin J. Romine, '85
Christopher Saia, '99*
Neeraj Sangal*
Scott M. Schneider, '97*
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ADVANCING THE COLLEGE: THE GOALS OF THE LEADERSHIP CAMPAIGN

The \$6.5 million CCIS capital campaign, part of Northeastern's \$200 million Leadership Campaign fundraising effort, is well underway. Alumni and friends have been generous in their giving and vocal in their support of the college's recent progress toward becoming a top teaching and research institution.

"CCIS had made great strides in recent years," says Dean Larry Finkelstein. "Our faculty, research, and student body are now nationally and internationally known. The financial support of alumni and friends has been crucial to these efforts. Now, as we continue to grow in size and caliber, we need their support more than ever."

One overarching goal is to strengthen the research program at the undergraduate, graduate, and faculty levels in order to be recognized as one of the top fifty computer and information sciences programs in the country.

This goal will require support in four critical areas:

Endowed professorships—CCIS has already attracted a number of nationally and internationally recognized researchers. To achieve the intellectual force needed to catapult the college over competing institutions, the campaign is seeking three additional endowed professorships.

College development funds—These funds would be used to advance key college programs, such as early-stage faculty and student research that has high potential for attracting additional support.

Graduate fellowships—The college's national reputation depends on the excellence of its doctoral students. Graduate fellowships attract and retain exceptionally well-qualified PhD candidates.

Undergraduate scholarships—The quality of the undergraduate program is equally important to the college's national reputation. Additional undergraduate scholarships would allow CCIS to compete successfully for the best students. +

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

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