J.P. MORGAN CIO HONORED: Peter A. Miller Receives Award

by Louise P. Kleinbaum, Assistant Dean and Director, Academic Systems

The floor of the New York Stock Exchange served as an unusual backdrop for this year's CSIS Leadership and Service in Technology Award Reception. Nearly 300 members of the CSIS community including faculty, staff, students and alumni/ae, as well as prominent corporate leaders from the fields of finance and information technology, gathered together on Tuesday, June 8 to honor Peter A. Miller, this year's award recipient. Arrangements to hold the event at the Stock Exchange and to underwrite the reception were made through the efforts of Catherine Kinney, group executive vice president of the Exchange and CSIS advisory board member.

In his role as CIO, Peter Miller is responsible for designing and driving the technology strategy that advances J.P. Morgan's businesses and productivity initiatives. As CIO, Mr. Miller also serves as chairman of J.P. Morgan's IT Board, which is the governing body for technology decisions across the firm and is responsible for maximizing its investment in technology. He has also been charged with shaping J.P. Morgan's Year 2000 strategy.

Mr. Miller graduated with honors from Lehigh University in 1974 with a B.S. in industrial engineering. He joined J.P. Morgan in 1976 and, over the years, assumed a number of positions with increasing responsibilities and was named CIO in April 1997. J.P. Morgan has been a pioneer in partnering with leading technology firms as a way of complementing and extending its own capabilities and advancing the strategic objectives of the firm. Mr. Miller is credited with the creation of the Pinnacle Alliance, a consortium of five companies – Computer Sciences Corporation, Andersen Consulting, AT&T Solutions, Bell Atlantic Network Integration, and J.P. Morgan – that handles one-third of Morgan's technology needs.

The reception, which was generously underwritten by the Stock Exchange, began with cocktails and hors d'oeuvres. Adding to the excitement of the evening were the NYSE employees who made themselves available to explain how technology is used by the Exchange to execute and keep track of the high volume of transactions that occur each trading day.

An hour into the evening, Dr. Patricia O. Ewers, president of Pace, rang the bell that usually starts and ends each trading session to ceremoniously signal that the formal presentation was about to begin. Susan Merritt, dean of the School of Computer Science and Information Systems, served as mistress of ceremonies and welcomed the guests from the balcony overlooking the trading floor. President Ewers, William T. Johnston, president of the Stock Exchange, and Sylvia Friederich, president of the CSIS Association of Alumni and Alumnae, also extended their greetings. Dean Merritt then introduced Peter Miller, the honoree, who addressed the audience on "IT in the 21st Century." Upon completion of his remarks, he was presented with a citation and a crystal paperweight from Tiffany bearing an inscription commemorating the occasion.

The Leadership and Service in Technology Award is presented annually to an individual or company that best exemplifies leadership in the field of technology, innovation in the development and application of technology to serve people, and commitment to community service and education. In the words of Dean Merritt, Peter Miller's "record of achievement, demonstrated public service, and impressive vision and leadership, embody the criteria and spirit of the award."

In addition to presenting the Award for Leadership and Service in Technology, Dean Merritt took advantage of the occasion to recognize Professor Carroll Zahn who is currently serving on the Technology Subcommittee of Pace University's Board of Trustees as well as the recent graduates in

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Photo left: (l to r): Peter Miller, honoree; William Johnston, president, NYSE; Dr. Patricia Ewers, president, Pace; Sylvia Friederich, president, CSIS Alumni/ae Association; and Susan Merritt, dean, CSIS. Center: Guests listen to speaker from high tech trading floor. Right: Dr. Ewers chats with Mary Ritter (MS/CS'92) and guest.
**Message from the Dean**

**CSIS EXTENDS OPPORTUNITAS**

**by Dr. Susan M. Merritt**

In recent Dean’s Messages we have talked about major new developments in the School of Computer Science and Information Systems. These include the beginning of the doctoral program. In this issue you will read about the program and see a photograph of the 21 students in the inaugural class. We have discussed readiness for distributed education that has enabled us to take some serious initiatives. In this issue you will read about some of them.

In this message we return to a fundamental cornerstone of the CSIS mission and that is service responsibility. In the spirit of the University motto “Opportunitas” or opportunity, CSIS has always taken the position that the extraordinary transformation of individual productivity, of organizations and of society that emerges through information technology must be available to all. The CSIS Mission Statement concludes with the statement: “Throughout its programs and services, the School of Computer Science and Information Systems consistently recognizes that information technologies are tools for the empowerment of people.” There is a growing body of literature that describes the so-called “digital divide” that separates knowledge workers who know these technologies from those who do not know them. Increasingly, jobs are available to those with computing skills and not to those who do not have computing skills. The Internet with its extraordinary potential for distributed information and resources is available to some but not to all. This is an issue of access that creates a new set of “haves and have-nots.” This threatens both individuals and society. We face a severe shortage of information workers in our organizations. One way to resolve the demand for information technology workers is to provide a broader segment of the population the fundamental tools and skills that will enable them to compete.

CSIS has a distinguished record in providing both access and opportunity. The CLOUT (Computers Literacy Opportunity University Technology) program in Westchester is in its ninth year. The CLOUT program, under the direction of Dr. Alice Feeley, is an effective, successful “education for employment” program. It has evolved in nine years and has adapted to changes in IT as well as changes in welfare legislation. In addition to a full-time certificate program in professional computer applications for the office and a part-time associate degree in office technology, a new “skills enhancement” component is provided on a part-time basis for entry-level workers or underemployed persons for whom computing skills will enable advancement in the job market. The CLOUT program is being inaugurated this month in New York City in partnership with the United Neighborhood Houses. A part-time program will be taught at the University Midtown Center. We are eager to develop partnerships with businesses and other organizations in both New York City and Westchester County. Corporations and businesses who wish to participate in workforce investment and welfare-to-work initiatives, who need skilled information technology workers, and who want to work with an experienced partner, might be well served by finding out more about our CLOUT program. Opportunities include interns, new employees, and skills enhancement for existing employees.

In a recent Communiqué we introduced the Technology Center for Education and Community Empowerment made possible by Bell Atlantic. During the last two years the Center has organized and delivered education in Internet technologies to over 600 teachers in the Westchester and New York City areas including individuals from districts in New Rochelle, White Plains, Greenburgh, Mount Vernon, Hastings-on-Hudson, Ossining, and the Bronx. It is our expectation that the Technology Center will continue to train teachers in the New York metropolitan area and will also expand its reach to the training of staff from not-for-profit organizations.

The NACTEL (National Advisory Coalition for Telecommunications Education and Learning) project is a distance education program serving the national telecommunications community. At the current time there are about 330 students from 34 states participating in the program toward a goal of earning an A.S. degree. They are communications workers who are employed by the telecommunications companies or who belong to the communications unions. These are adults who because of geography or personal or professional responsibilities would not be able to pursue higher education without this completely online program.

Since shortly after the founding of the School, the Pace Computer Learning Center (PCLC) has been serving the needs of the business community through public workshops offered in White Plains and Midtown, and at corporate sites. The PCLC also offers career programs such as the Unix/C++ program and the new Internet Technology and e-Commerce program, both offered at the Midtown Center. These programs are not-for-credit and can be taken on a full-time day or part-time basis. They prepare individuals for new careers in information technology.

The School is committed to continue these community service initiatives in addition to our regular full-time and part-time baccalaureate, master’s and doctoral programs. We welcome your participation in these efforts as we work together to meet the many challenges and opportunities of the Information Age.
The development, registration and implementation of a doctoral program, especially one as innovative as this one, is by necessity, a lengthy process. First, a detailed proposal outlining every aspect of the program including the need for it, the curriculum, the faculty, the facilities, and support services was prepared. Next, the proposal was reviewed by a team of respected computing professionals from both the corporate and academic communities from outside New York State. The team members asked questions and made suggestions and concluded their review with a final recommendation that accompanied the revised proposal when it was sent to the State Education Department in Albany for registration. On March 16, 1999, the New York State Regents voted to amend the master plan of Pace University in order to authorize the offering of the D.P.S. in computing studies and then registered the program. Upon completion of this registration process, the School embarked on a campaign to put a class in place for the fall.

Among the 21 individuals ultimately selected to be part of our first doctoral group, there are four women and 17 men from seven states including two from California. The class is also racially diverse. Half the class holds master’s degrees from Pace; the other half earned their master’s at such diverse institutions as George Washington University, West Point and MIT. The list of institutions that the students work for is equally impressive and includes:

- AARP
- Bell Atlantic (5)
- Chase Manhattan Bank
- CUNY – Hostos Community College
- Diversified Investment Advisors
- Ernst & Young
- Equitable
- E*Trade
- IBM(2)
- KPMG Consulting
- New York Life Insurance
- Oracle
- Raytheon
- SIAC
- West Point
- Wyeth-Ayerst Research

The students began their doctoral studies with a week-long, online orientation seminar. The class then assembled at the Graduate Center in White Plains on September 17-18 for their first in-person meeting. A special luncheon was held to welcome the first D.P.S. class. It was attended by Dr. Patricia Ewers, president of Pace University, Dr. Marilyn Jaffe-Ruiz, provost and executive vice president for academic affairs, the entire full-time CSIS faculty and other individuals affiliated with the program. This was an exciting time for both students and for the School, the fulfillment of a dream on both sides.

The realization of the Doctor of Professional Studies in Computing Studies is a milestone in the School’s history and is keeping with the responsiveness and entrepreneurial spirit of Pace.
FOUR NEWCOMERS JOIN CSIS FACULTY
by Ken Norz, Assistant Dean and Director, Academic Systems

Rarely has CSIS had so many new faces among its faculty at the start of the new school year as it has this fall. Consequently, the School is pleased to welcome four new faculty members, all to the New York City campus. I recently spent a few minutes with each of them to find out what their first impressions were.

Dr. Dennis Anderson joins the School as an assistant dean and an associate professor of Office Information Systems. Dr. Anderson comes to us from St. Francis College where he chaired the CIS Department. He holds a Ph.D. from Teachers College, Columbia University. Since he had heard many positive things about Pace, he decided to pursue the opening for an assistant deanship and was very interested in continuing to work in an urban environment. "It was time to move on to new opportunities," he said. Among his many duties, Dr. Anderson is responsible for grant coordination and for managing CIS 101 Introduction to Computing which is required of all undergraduate students University-wide, regardless of major. He is also teaching two sections of CIS 101 this semester. "It is exciting to work here and it is a friendly environment," he said. "The students are friendly, well informed and eager to learn new things."

In February 1999 Dr. Anthony Joseph was granted a Ph.D. in Electrical Engineering at the CUNY Graduate Center here in Manhattan after completing his dissertation titled Adaptive Signal Processing with Weyl-Hessenberg Expansions. He joins us this fall in the Computer Science Department as an assistant professor. "Pace is a very good school. I knew people from my country (Antigua) who came here." This term Dr. Joseph is teaching a graduate course in data communications and networks and an undergraduate course in computer architecture. When asked about Pace students, he replied that they "...are excellent. They are eager to learn." It is clear that Dr. Joseph is very comfortable here. "I like it here. I like it here very much. The atmosphere is professional and friendly." He plans to team up with Dr. Paul Benjamin as a faculty advisor to the Pace Computer Society in New York City.

Dr. Namchul Shin joins the Information Systems Department this fall as an associate professor. He is originally from Korea, received his Ph.D. from the University of California at Irvine and taught at Rowan University in New Jersey prior to coming to Pace. His research interests include the business value of information technology, organizational impacts and strategic use, and e-commerce. He applied to Pace because we had a "big IS department that supports research." He also likes the idea of being in a large metropolitan area and interacting with corporations, perhaps specifically from Korea. Dr. Shin is currently teaching undergraduate courses in database management and data communications. Next summer, he plans to teach a special topics graduate course in Managerial Issues in Information Systems. Pace students, he said are "...intelligent and ask good questions."

Having just completed his dissertation on A Light Weight Approach to Applying Formal Methods in Software Development in June at DePaul University in Chicago, Dr. Sotirios Skevoulis joins the Computer Science Department as an assistant professor with great enthusiasm. When asked why he applied here, he responded, "I knew Pace and was familiar with its programs and its goals." At DePaul, Dr. Skevoulis taught graduate students. At Pace, he is currently teaching undergraduate programming courses and will be teaching software engineering, his research area of interest. "This is the first time I've taught undergraduates, but they are motivated and work hard," he said. When asked what his experience here has been like so far, Dr. Skevoulis said, "It's been great. I am happy and anxious to contribute."

CSIS is truly fortunate to have such talented and enthusiastic newcomers.

IS RESEARCHERS “BROWN BAG” IT
by Dr. Constance Knapp, Assistant Chair, Information Systems/New York City

A group of Information Systems faculty members on the New York City campus has been meeting informally as the Information Systems “Brown Bag” Group. The name comes from the practice of bringing lunch to the meetings, so the faculty have working lunches while they discuss their current research. The purpose of the group is to provide a collegial atmosphere in which faculty support each other’s efforts to have papers accepted at refereed conferences and by refereed journals, by reading papers, listening to presentations and providing constructive feedback.

The group has been meeting since February 1999 and had a very successful first semester. In February, Dr. Jeanine Meyer rehearsed a paper that she presented at a conference in Malia with Dr. Karen Berger of the Lubin School of Business. The paper discussed the use of WebBoard in a marketing class. The group gave her some suggestions, which she incorporated into her subsequent presentation at CSIS Faculty Research Day.

In March 1999, Dr. Jennifer Thomas presented a paper that she had presented at a conference in North Carolina. The group discussed her research design and gave her some suggested approaches for continuing her work. At the April 1999 meeting, Dr. Constance Knapp presented a draft of a paper that was submitted to Information Technology and Management. She received many helpful suggestions that went into the final paper that was submitted, and that was also presented at CSIS Faculty Research Day. In May, at the final meeting of the spring semester, Dr. Nancia Surendra presented her ideas for a research project investigating data modeling and the ways that data models are being used in practice.

At the first meeting of the fall semester in late September, the group set out an ambitious agenda. To meet in October, November and December, Drs. Knapp and Namchul Shin presented research proposals for possible projects in the area of ERP (Enterprise Resource Planning) at the October meeting.

Dr. Linda Jo Calloway will be presenting a draft of a paper discussing the development of our graduate course in Information Systems research at the November meeting, and Dr. John Molluzzo will be discussing plans for a paper discussing the use of electronic support for traditional classes at the December meeting.
PROGRESSIVENESS DEMANDS ASSESSMENT

by Dr. Allen Stix, CS/Westchester

The School of Computer Science and Information Systems is an exciting place to study and to teach because of its progressiveness.

The curriculum is updated on an ongoing basis. New courses on new aspects of technology are constantly being added to the curriculum, such as Professor Joseph Bergin’s course in Object-Oriented Software for the Internet, Professor Narayan Murthy’s course on Network Programming and Distributed Applications, and the course being jointly taught by Professors Stuart Varden and Bel Raggad on data warehousing and data mining. In September, Java superseded C++ as the backbone language for the bachelor’s and master’s degrees in computer science.

New methods for course delivery, promising greater convenience and flexibility, are also being put into use. Videoconferencing makes experimental courses, and specialized summer courses, that would have been available on only one campus, available across campuses. Also, the Internet is being harnessed. For some courses, a percentage of face-to-face contacts are being replaced by asynchronous meetings. Other courses are running entirely through electronic lectures, electronic class discussions and e-mail.

Innovations Need Evaluation and Refinement

Progressiveness means change, but not every change is for the better. Asynchronous classes carry advantages, but these may be outweighed by drawbacks with certain kinds of courses or for certain categories of students. Also, changes that are good with respect to one aspect of the curriculum can pose problems relative to other aspects. Java, for instance, accelerates the understanding of objects and object-oriented system design. The downside is less experience with C++, which remains an important language.

As we have been working ever harder to keep instructional content aligned with technical advancement and to adopt new means for teaching, we have become increasingly concerned about our directions. We want more than merely to suppose that a switch to Java will be advantageous to our students. We want objective grounds for knowing that this is so. We want objective grounds for knowing that all alterations in course content, and all modifications to sets of elective offerings, will impart a strengthened education. Likewise, we want more than to suppose that teaching via videoconferencing or the Internet works. We want solid substantiation.

These concerns are echoed when faculty members such as Professors Carroll Zahn (CS/Westchester), Stuart Varden (IS/Westchester), Joseph Bergin (CS/New York), and Allen Stix (CS/Westchester) share their observations on the pros and cons of videoconferencing instruction. They are echoed by Professors Mary Courtney (CS/Westchester), Nancy Hale (OIS/New York), Howard Blum (CS/New York), Fred Grossman (IS/New York), Joseph Bergin (CS/New York), and David Sachs (assistant dean) as they compare their first-hand experiences teaching over the Internet. They are echoed by the Computer Science Curriculum Committee as it deliberates on the proper balance between applied skills and conceptual knowledgeability. They are echoed by Susan Merritt, dean of the School of Computer Science and Information Systems, as she establishes investigations into the abilities sought by the industry when hiring fresh graduates and those judged by alumni/ae to have been most helpful.

These concerns, viewed more broadly, can be seen as questions of “product quality.” Similar reflections on product quality are taking place at most universities as they face the same exigencies of both using new technology to teach and of having to teach about new technology. The activities associated with quality assurance in education is known as assessment.

Assessment is Education’s Term for Quality Control and Accountability

There are as many different facets of assessment as there are identifiable aspects of quality. For CSIS assessment ranges over all aspects of our performance that bear upon our mission of preparing students for careers as computing professionals. Our investigations of quality fall into four realms.

The first relates to the curriculum. Most generally, does each degree program provide the abilities needed to begin and advance a successful professional career? Research here informs us on the technical abilities that are currently necessary, on the knowledge structures and self-learning skills required to stay competent, and on the interpersonal know-how required for participation on contemporary software teams. One empirical inquiry was the survey conducted by Dr. Mary Courtney of managers involved in selecting new employees and monitoring their progress. On other fronts, Dean Merritt continually garners input from her many industrial, scientific and academic involvements. An exciting new project being undertaken with the help of the CSIS Advisory Board, the CSIS Alumni/ae Board, and Career Services is just beginning to get off the ground. It will extend Dr. Courtney’s survey with focus groups in which software developers are to be queried about the skills and abilities they seek when hiring.

The second realm of assessment relates to instructional effectiveness: effective teaching and effective learning. The former entails precise identification of the “educational deliverables” of each course in every degree program. Course objectives must be spelled out concretely and completely to ensure that every section, regardless of instructor, imparts the same set of abilities. With a course-by-course set of objectives, any assemblage of students forming an advanced class will be prepared to move ahead with new material, the same material will not be repeated inadvertently in subsequent classes, and a definite place will exist for each component of the overall curriculum. The CS Curriculum Committee has formed a set of standard course syllabi, as has OIS.

The effective learning part entails adducing solid evidence that says, say, 80 percent of the students are mastering 90 percent of the content identified as essential. With precise learning objectives, it becomes possible to build either course-by-course or milestone achievement tests inasmuch as a concrete objective and a definite ability are one and the same. The efficacy of classes via videoconference and via the Internet may be investigated by comparing learning rates there with those from traditional classes.

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LEARNING CENTER OFFERS NEW INTERNET TECHNOLOGIES AND E-COMMERCE CERTIFICATE PROGRAM

by Babette Kronstadt
Director, Technology Center for Education and Community Empowerment

The first two sections of the new non-credit Internet Technologies and e-Commerce Certificate Program were offered for the first time at Pace’s Midtown Center in late October. The program follows the format of the successful UNIX/C/C++ Certificate Program while focusing on the emerging technologies important for Internet professionals.

The goal of the program is to give students a broad knowledge of the current underlying technologies needed for Website development. Students learn how to capitalize on the capabilities of current browsers to create well-designed, dynamic, interactive, business-oriented sites. The modules are project-based, culminating in the design of a site that includes the essential elements of e-commerce. Students will first learn how the Internet works. Then they will explore a wide variety of tools and client- and server-side computing used in the development of Websites: HTML, CGI Scripts, JavaScript, Dynamic HTML, Java Applets, Java Servlets, and database connectivity using JDBC and ODBC. A variety of tools to assist in Web page development such as Dreamweaver and Photoshop will be used, but, more importantly, students will gain the understanding that will let them use new tools as they emerge. Basic Web server installation and configuration, and Web administration skills will also be introduced.

All of the materials used in the program are being developed specifically for it. Among the module authors are faculty members Narayan Murthy (chair, CS Westchester), Daniel Farkas (chair, IS Westchester), Mehdi Badi (CS/Westchester), and Paul Benjamin (CS/New York City). Adjunct Professor John Hooks (OIS), and PCLC consultants Hap Gaylord and Mo Krauscher, are also contributing authors.

Seven sections of the program, four daytime and three evening, are scheduled for the 1999-2000 academic year. Daytime sections will meet daily for eight weeks while evening sessions meet two evenings a week and alternate Saturdays for approximately 26 weeks. Programming fundamentals courses are offered for those with no programming experience. Initial sections filled rapidly. There is a broad range of students enrolled including CSIS professionals, those for whom Web page development is a small part of their current job, and professionals from other fields who wish to change careers. The demand in the marketplace is currently very strong, and these graduates will be prepared to respond to the skills required for quality Web page development and design.

J.P. MORGAN CIO HONORED:

attendance who received awards at this year’s commencement. They included:

Craig Selinger
M.S. in computer science
Outstanding Student of the Year

Alexander Wipf
B.A. in computer science
Computing Science Award

Siju Menon
B.S. in computer science
Student Service Award

Rory Woods
B.S. in computer science
Student Service Award

Jennifer Omega
B.A. in human resources
Student Service Award

Dessert and coffee were served at the conclusion of the program.

The Leadership and Service in Technology Award Reception is the School’s primary fundraiser. The proceeds from this event benefit the CSIS Endowed Scholarship Fund. This year the reception generated $120,000, including $5,000 from the NYSE, and $68,000 from corporate contributions, as well as matching monies from the Dyson Family Challenge Grant. This is more than twice the amount raised last year. Allan Deering of PepsiCo, Inc. and Mark Kay of J.P. Morgan & Co., Incorporated, co-chairs of the sponsorship committee, are credited for the substantial increase in corporate support.

Once again, CSIS achieved a new level of attendance. In terms of attendance and monies raised, this year’s Leadership and Service in Technology reception was more successful than ever before. It is clear that this has become a firmly established event in the IT community.

Next year’s reception will be held at Bloomberg Industries headquarters at 499 Park Ave. New York City. The date will be announced shortly.
Students in the CLOUD (Computers • Literacy • Opportunity • University • Technology) Certificate Program study with the same group of individuals for a period of eight months. The courses are presented in a lock-step format beginning every two months; therefore, at any given time, four groups are engaged in educational and employment activities. During the summer of 1998, discussions began about how to recognize achievements of exceptional students, both in academics and professional behavior. Another concern was how to address issues that were relevant to all students in the program. To serve both these purposes, a time was designated when all students would come together at the CLOUD Student Assembly.

The Assembly takes place once every term or two months and runs for approximately one hour. This time is used to present students with awards for Dean's List honors, perfect attendance, effort, service to others, and professionalism. Each term, the list of awardees grows, because these awards and the recognition that accompanies them encourage and inspire students to strive for excellence. In addition to the presentation of awards, the Assembly is used to address important topics and issues of concern to the student body.

"Tune into Your Success: The Seven Waves of Being" was presented by Professor John Hooks, OIS Adjunct, at the CLOUD Student Assembly on February 24. John Hooks has conducted extensive research in neuroscience and motivational techniques. During the course of his research, he discovered that he could also apply his findings to his own life. Years later, Professor Hooks, a man who once feared the thought of public speaking, was able to address audiences on overcoming their own fears, taking control of their lives, and becoming self-motivators.

Shortly after talking about his background, Professor Hooks captured the attention of the CLOUD students with a song he wrote about a woman named "Deb." The theme of the song was "getting rid of negative attitudes and doing everything with a positive point of view." The character "Deb," who was stuck in a whirlpool of indecision and negative influences, was John Hooks before he learned about the brain and motivation.

One technique Professor Hooks uses as a tool for increasing motivation and self-esteem is positive language. Some phrases he frequently uses are "I am a winner" and "I am powerful." Saying these phrases out loud and repeatedly helps to train the brain to believe these words. He refers to negative phrases as "psyche down" language; whereas, positive phrases are "psyche up" language. By using positive language, individuals can control their thoughts, despite the many "psyche down" phrases they hear. This approach led to the creation of the "Seven Waves of Being."

Why waves? Professor Hooks views life as a series of waves; each of which can be either an advantage or a disadvantage. Circumstances in one's life may be such that they drag an individual down and have a drowning effect. With the right techniques, one can get through a crisis, overcome the debilitating circumstances, and ride the crest of the wave.

The "Seven Waves of Being" can be summarized as follows:

- **Become a gonnabe, not a wannabe:** Self-psyche phrases related to this wave are "I am powerful" and "My desires are continually fulfilled." Individuals must decide to actually do something to achieve their goals, rather than dream about them.
- **Set forth your mission, then trust your intuition:** As businesses, organizations, and groups have a mission, individuals should also have one. The mission will help keep a person focused.
- **Dreaming and scheming lead straight to achieving:** Dreaming is an important part of life because the dreams help determine a set of goals. Once individuals have established goals, they should develop a plan to achieve them.
- **Flush out your fear, free up your faith:** Professor Hooks has an interesting technique for doing this. He asked the students in the audience to pull their left earlobe then shake their right leg. The fear will drain from their heads, down through their bodies, and out through their feet. Fear is a demotivator and can prevent one from achieving one's goals.

- **Get rid of mind pollution through evolution, revolution, and solutions:** Worry, a negative emotion, must be turned into a positive point of view.
- **If you let fate take the blame, you will forever stay the same:** This is a reminder that fate can be altered.
- **Now serving number one:** In the midst of everyday confusion, doing something positive for oneself is necessary. Professor Hooks suggested that students should start by taking five minutes in the morning and at night to "psyche up" and say something positive to themselves and then extending the time to 20 minutes.

He concluded his discussion of motivational techniques by giving each student a bag of helpful tools: a tape of songs related to the seven waves, a card listing the seven waves, mind strengthening moisturizer to rub on their hands while reciting positive phrases, and a gold elastic to tie in a knot and remember "fear not!"

The CLOUD students appeared to enjoy the presentation and motivated to make changes in their lives.

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**CONGRATULATIONS ARE IN ORDER**

Judy Caouette (OIS) and husband Jack on the marriage of their daughter Tristen to Kyle M. D'Arco on October 9, 1999.

Susan Downey (Dean's Office) and husband Hugh on the marriage of their daughter Stephanie to John Ruhland on September 10, 1999.

Lovette Eslicher (Dean's Office) and husband Milton on the birth of their son Ian on September 22, 1999. The baby weighed in at 8 lbs. 9 oz.

Bel Raggad (IS/Westchester) and wife Amel on the birth of their daughter Mana Lilly on May 11, 1999. The baby was 9 lbs. 15 oz. at birth.
Helpful Hints on How to Use Windows

by Peter B. Vogel, PC/Network Support Analyst

Windows Boot-Up Problems

Did you ever have problems booting up Windows 95 or encounter errors and Windows boots up in Safe Mode? If so, here are some steps to follow when you cannot get into your computer. When you see the Starting Windows 95 logo on the top left corner of your monitor when booting, hit the F8 key. You will be greeted with the following menu:

Microsoft Windows 95 Startup Menu

1. Normal
2. Logon (\bootlog.txt)
3. Safe mode
4. Safe mode with network support (for networked workstations only)
5. Step-by-step confirmation
6. Command prompt only
7. Safe mode command prompt only
8. Previous version of MS-DOS

The easiest way to find the offending application is to enter choice 5. This will show each device driver that is being loaded while Windows is booting up. If a file is corrupt, it will fail to load, and it will either tell you that there is no file, or that files are corrupt.

If this still does not solve your Windows boot up problems, enter choice 7. This will drop you at a DOS prompt. Once at the C:\prompt, type the following command: C:\EDIT BOOTLOG.TXT. This will load the bootlog.txt file in your MS-DOS editor for review. The best way to quickly find where Windows failed is to do a search for the following string: LoadFailed. The editor will show you which device drivers failed to load while booting. Your best bet is to replace the offending file with a fresh copy, typically from another computer.

Changing the Windows Startup Screen

You can change Windows 95 default startup and shutdown screens to your liking by modifying the following files: logos.sys, logow.sys and logos.sys. Logo.sys can be found in the root directory of your c:\ drive and the remaining two files can be found in the c: \windows directory. You can open the files in any picture editor such as Microsoft Paint or Paint Shop Pro. Please note that you must save all three files in exactly 320x400 resolution, as anything higher will not work.

Opening Files in Windows Explorer

All file formats (for example *.doc) have a default program associated with them – e.g. Word opens up *.doc files. However, other programs have the capability to open these files as well. For example, double clicking a *.txt file will by default open up notepad.exe, even though Word or Wordpad can open up a *.txt file as well. You can change the default program by clicking the file once with the left mouse button, then hold down the shift key and right click once with the right mouse button. Select the “Open with...” option and choose a different application. This is especially handy for use with multimedia files and picture files. You can also make a selected application the default program by check marking the “Always use this program to open this file” option.

Speeding up the Start Menu

Do you ever become impatient with slow or pull-down menus? If so, here is the trick to try. This trick involves the use of the Registry Editor. The Registry is composed of files that keep all the information about your computer hardware/software configurations.

Please proceed very carefully through the following steps !!!!!
1. From the Start menu, choose Run. Type in regedit.exe and click OK.
2. Open the HKEY_CURRENT_USER hive.
3. Open the Control Panel folder.
4. Open the Desktop folder.
5. From the Edit menu, choose New, and click the String Value
6. Call the new item MenuShowDelay.
7. Double click on the new Item and give it a value from 1 (very fast) to 10 (very slow).
8. Exit the Registry Editor and restart Windows.

HISPANIC STUDENT WINS SCHOLARSHIP

by Bernice J. Houle, Assistant Dean and Director, Academic Systems

Moira Gonzales, a senior pursuing a B.A. in computer science with an information systems minor, is the recipient of a $2,500 scholarship from the National Hispanic Business Group (NHBG). Moira was one of five recipients from the New York metropolitan area to receive this scholarship and was honored at a dinner dance at the Waldorf Astoria in New York City in July. The NHBG scholarship competition was open to Hispanic students who were knowledgeable in computing and entering either their junior or senior year in college. Pace students were made aware of this opportunity by Raul Perez, president of the UNITTECH Corporation in Mt. Kisco, NY, and CSIS Advisory Board Member.

Moira transferred to Pace from Westchester Community College in Fall 1997. She is a strong student who has been on the Dean’s List for two semesters. She also works part-time for DoIT in the User Services Department in White Plains. As for her reaction to receiving this recognition and her future goals, she said, “I was really honored to receive this award considering there were many other deserving candidates. The National Hispanic Group Award is another incentive for me to be a better student. My future goal is that after acquiring some experience in my field, I would like to pursue a graduate degree. This will expand my capabilities and allow me some measure of growth in my career.”
NACTEL PROJECT TAKES OFF
Successful Online Pilot
Results in Broader Offering

by Dr. David Sachs, Assistant Dean and
Director, CSIS Center for Distance Education

The NACTEL (National Advisory Coalition for
Telecommunications Education and Learning) project has had an extremely successful first
year. During this time, faculty developed five
courses - the Online Seminar, Academic Skills
Seminar, Technical Math, Telecommunications
I, and AC/DC Electrical Circuits. One hundred
students participated in a set of pilot courses
that was offered during spring 1999. These stu-
dents live in 20 different states, range in age
from 21-55, and participated in classes morn-
ing, noon, and night throughout the spring.

Many CSIS faculty and staff (as well as
some faculty from the math department) con-
tributed to the success of this first year.
Matthew Poli (PC and Network Consultant)
and Erich Markert (Webmaster) provided tech-
nical support. Bernice Houle (Assistant Dean)
and Nancy Treuer managed the admissions
and advisement process. Seema Ramakrishan
(CSIS Graduate Assistant), Paul Reeder
Graduate Assistant), and Nancy
Uhl (Graphics/Web Specialist) focused on the
database that was needed to manage the
entire application process. Nancy Uhl worked
closely with the faculty who were developing
the initial pilot courses. They included Profes-
sors Frank LoSacco, Sam Epelbaum, Stuart
Varden, John Hutton, David Sachs, Nancy
Hale, Steve Bourgault, and Gus Masculli.

The NACTEL project formally began its
second year during the summer. Several hun-
dred students both applied to Pace University
and registered for classes online. On Septem-
ber 9, 260 students began taking their online
courses. The students come from Bell Atlantic,
GTE, SBC, and US West. Many of them
belong to CWA (Communications Workers of
America) and IBEW (International Brotherhood
of Electrical Workers). The students are
enrolled in the initial five courses, as well as
some newly developed ones in telecommuni-
cations, English, and physics.

Online education is an extremely inter-
esting and challenging activity. There has been
much to learn about the power and limitations
of online communication and online learning.
In addition, we have learned a great deal
about the need for a well-developed infra-
structure to support online classes and that
the entire undertaking takes a great deal of
time, energy and thought. The School of
Computer Science and Information Systems is
in the middle of a global discussion about how
to best provide online education. It is exciting
(and sometimes tiring) to be part of this dis-
cussion. Results to date have been promising,
and we look forward to a very challenging and
interesting year to come.

To: All CSIS Faculty Members

From: Dr. Jeanine Meyer, Acting Director
University Honors Program/
New York City Campus

Re: Support for Honors Students

As many of you know, I am the acting director of the New York City
Honors Program while my friend and colleague Dr. Martha Driver
(Dyson/English) is on sabbatical. This is the first time someone outside
the Dyson College of Arts and Sciences has held this position. Because
this appointment is keeping me away from Goldstein and the 17th floor,
I wanted to tell you about the program and seek your support.

Students in the Honors Program take eight special courses or do extra
projects as honors options in regular courses. They also participate in co-
curricular events and trips and do a required capstone Honors project.

This year there are more CSIS majors in the Honors Program than ever
before. Many of them are taking the special CS 121 Computer Program-
ing I class which will count for honors. In Pleasantville, Dr. Allen Stix is
teaching a special section of CIS 101 Introduction to Computing for
Lubin Honors students. For the last few years, there has also been a
special Honors lab section in a regular CIS 101 course.

Honors students may come to you to discuss doing an Honors option. I
encourage you to consider it. Similarly, students may ask you to do an
independent study with them to complete their capstone Honors Pro-
ject. If you want to discuss possibilities, please get in touch with me or
Dr. Janetta Reboid Benton, my counterpart in Pleasantville. Lastly,
please contact me with suggestions for speakers or trips that you think
would be of interest to these students, especially CSIS Honors students.

Thanks for your support.
CSIS PARTICIPATES IN CAMPUS WALKATHON
“Keeping Pace in the Community”
by Bernice J. Houle, Assistant Dean and Director, Academic Systems

The Service Committee of the Pleasantville/Briarcliff Administrative/Staff Council-sponsored Camp2000 Campus Walk ‘99 walkathon on Friday, September 17. Over 40 faculty, staff, and students participated in the event by walking a 0.8 mile loop around the Pleasantville campus; many of the participants walked five loops, a total of four miles. Participants from CSIS were: Dean Susan Merritt; Assistant Deans Louise Kleinbaum and Bernice Houle; Dr. Alice Feeley, the director of the CLOUT Program; Faith Faulk and Linda Hand, staff members in the CLOUT Program; Nancy Treuer, online academic advisor for the NACTEL Project; Marietta Savino, Eda Buelti and Sue Montanti, support staff in the Dean’s Offices; and Bill Bernhay and Jai Pong, student aides in CSIS. In addition, the eye-catching t-shirts for the Camp2000 Campus Walk were designed by Alison Palazzolo, a BA/CS major at Pace.

The proceeds from the event, which totalled over $1,400, will go towards sending children of the CLOUT students to PaceExplorer, Pace’s summer camp, next year. Since 1991, the CLOUT program, in the School of Computer Science and Information Systems, has been preparing skilled computing professionals for challenging positions in Westchester and the metropolitan area. CLOUT students come from a variety of backgrounds and with a strong desire to better their lives and those of their families. At any one time, there are 45-60 children from infancy to age 18 whose parents are CLOUT students. It is difficult, if not impossible, for CLOUT students to provide summer camp experiences for their children.

For the last three years, the Service Committee has been active in sponsoring events and programs for CLOUT families: a Holiday Toy Drive (’96, ’97, ’98) and a 50/50 raffle with the proceeds going to buy clothes for the children during the holidays to supplement the toys (’98). In addition, the Administrative/Staff Council quickly raised $700 to sponsor seven children for back-to-school supplies (’97) after the CLOUT Administration realized that there were seven children not covered by a participating company. The Camp2000 Campus Walk ’99 was another innovative way to promote the visibility of the CLOUT program and to assist the children who ultimately benefit from this important program.

CSIS ADVISORY BOARD CONTINUES TO EXPAND Technology Enhances Member Participation
by Louise P. Kleinbaum, Assistant Dean and Director, Academic Systems

The School of Computer Science and Information Systems has added four new members to its Advisory Board in the past year-and-a-half, bringing the total number of Board Members to 20. The role of a Board Member is to provide advice to the School in matters relating to curriculum, new initiatives and technology. In recent years, the Board has been particularly supportive of our fundraising efforts by soliciting financial support and generating attendance from the IT community for our annual Leadership and Service in Technology reception. Currently, it is involved in assisting the School with assessment issues.

The new members are from companies that have never been represented on the Board before. They include Catherine Kinney, group executive vice president of the New York Stock Exchange, who was instrumental in obtaining the Exchange for our most recent Leadership and Service in Technology Award presentation and underwriting the reception that accompanied it; Joseph Levy, a Pace alumnus, who is president, CEO and group publisher of CIO Communications; Carl Morales, executive vice president and CIO of Chase Manhattan Bank, who maintains that he is primarily in the Information Technology business, not the banking business; and Raul Perez, president of UNITECH Corp., who is helping to build a bridge between the School and the Hispanic community.

Anthony “Tony” Gioffre, Pace alumnus, Athletic Hall of Fame member, Co-op Employer of the Year Award recipient, and CSIS adjunct faculty member, recently resigned from the Board after 10 years of service following his retirement from Bankers Trust where he held the position of senior vice president.

With the introduction of sophisticated videoconferencing facilities at the Midtown and Graduate Centers and the resulting convenience this technology provides, attendance at Board meetings has increased considerably. The facilities also allow for greater interaction between New York City and Westchester corporate representatives. In addition, teleconferencing has enabled John Craparo of Dell Computer, formerly of GE Capital Corporation, to continue his participation on the Board despite his move to Austin, TX.

The School of Computer Science and Information Systems is fortunate to have a Board comprised of so many accomplished IT professionals to provide it with leadership and counsel.
GRADUATES HONORED AT ANNUAL AWARD CEREMONIES

by Bernice J. Houle, Assistant Dean and Director, Academic Systems

The CSIS Award Ceremonies for the Class of 1999 were held on Tuesday, May 18 in Pleasantville and Thursday, May 20 on the New York City Campus. Thirty-four students were honored for their academic achievement and active participation within their departments.

The award for Outstanding Student of the Year, given to a graduate student who has shown academic excellence, was earned by Paulette Muller-Girard (MS/IS, Westchester), Heather Schneider (MS/CS, New York City), and Craig Seiling (MS/CS, Westchester). Paulette is a graduate of Vassar College, is currently working at Pace’s Computer Learning Center where she is providing technical support for an online associate’s degree program. Heath is employed at Compaq Computer Corporation as a consulting associate, and Craig is a senior project manager at IBM.

The Scholastic Achievement Award, given to the student excelling in scholarship, effectiveness in class discussions, research and general performance in a baccalaureate degree program, was awarded to Matthew Duffler (BS/CS, Westchester) and Cathy Zura (BS/PSC, New York City). Matthew has accepted a position at IBM Research as a software engineer, Cathy graduated in January after completing the B.S. in professional computer studies and is now enrolled in the M.S. in computer science program while working as a senior technology consultant for TIAA-CREF.

Theodore "Ted" Dixon (MS/IS, Westchester), Siju Menon (BS/CS, Westchester), Jennifer Omega (BA/Human Resources, New York City), and Anand Vadul (MS/CS, Westchester) were recipients of the Student Service Award. Ted is an associate systems developer at Nabisco. Siju was always available to teach Web programming and give presentations for the School. He is currently working for StarMedia. Jennifer, who, as a student aide on the New York City campus, organized the CSIS reception area, is continuing to work for CSIS on a permanent basis. Anand is a senior programmer analyst at Computer Concepts Corporation.

Every year, the Alumni Association presents an award to a graduate and undergraduate student on each campus who has displayed leadership qualities and academic accomplishments while exhibiting concern for fellow classmates and other members of the Pace University community. This year the Alumni/ae Award recipients were Dennis Mandarino (BS/OIS, New York City), Robert Ostrosky (MS/IS, Westchester), Heather Schneider (MS/CS, New York City) and Rory Woods (BS/IS, Westchester).

Graduate interdepartmental awards went to Wai Ling Chung, a software engineer at Tiger Systems, and Paul Gehrmann, a director of technical strategy development at IBM. Both were recipients of the Telecommunications Award for outstanding scholastic achievement in Telecommunications. In addition, Joseph Gallo and Joseph Karlik were recipients of the Professional Computer Studies Award for outstanding baccalaureate scholastic achievement.

Computer Science Awards, given by the Computer Science Departments for outstanding scholastic achievement, went to David Buell, David Levine, and Deepak Seth, MS in CS graduates; and to Oleg Gurvitz, Sergey Porokhin, Anna Rozenblat, and Alicija Szczurowska, all of whom were pursuing undergraduate degrees in CS.

The Information Systems Departments gave Graduate Information Systems Awards to James Bookhamer, Anne Duffy, Piedad Linas, Ashok Mishra, and Zhuchun (Emily) Qiu for outstanding achievement in Information Systems. Paul

Allan Zoya Brandes, Howard Buchberg, and James Sigona were recipients of Undergraduate Information Systems Awards for outstanding academic achievement and service to the department.

The Office Information Systems Award went to Jodi Amditis (AS/OFT) and Kyle McKenna (BS/OIS) for outstanding scholastic achievement.
CSIS WELCOMES NEWCOMERS

CSIS is pleased to welcome the following individuals who have joined our ranks this fall:

**Full-time Faculty**

Dennis Anderson  OIS  New York City
Anthony Joseph  CS  New York City
Namchul Shin  IS  New York City
Sotiros Skovoulis  CS  New York City

**Adjunct Faculty**

Aziz Ahmad  CS  New York City
Daniel Barrish  CS  New York City
Matthew Ganis  CS  Westchester
Kimberley McCrea  OIS  Westchester
Todd Miller  IS  New York City
Marie Patermo  OIS  New York City
Anthony Pupello  OIS  New York City
Rajesh Sharma  IS  New York City
Andreia Taylor  IS  New York City
Pedro Vasseur  CS & IS  New York City

Jin Wang  Westchester
Daniel Zraly  New York City

**Graduate Assistants**

Maneesha Aggawal  New York City
Andrey Baranovsky  New York City
Daniel Bykat  New York City
Daniel Grieco  Westchester
Sumana Harikrishna  Westchester
Santosh Kakumanu  Westchester
Hetal Patel  Westchester
Jin Wang  Westchester
Xiumei Xie  Westchester
Yi Yang  Westchester
Janice Young  Westchester

**Graduate Tutors**

Rahul Chaudhary  New York City
Nandita Banerjee  Westchester

**Student Aides**

Bill Bemhey  Westchester
Paola Betteta  New York City
Courtneie Downey  Westchester
Andrea Frade  Midtown
Jai Pong  Westchester
Alice Price  New York City
Jesse Sans  New York City
Kelly Skrickis  Midtown

**Staff**

Peter Cronin  PC Network Support Specialist
Computer Learning Center

Helena Guerin  Student Services Counselor
CLOUT Program

Peggy Martin  Counselor
CLOUT Program

Jennifer Omega  Staff Assistant
Dean's Office/New York City

**Part-Time Staff**

Jennifer McGrath  Dean's Office/Westchester

Lizzette Rodriguez  CLOUT Program

**NACTEL Project Support Staff**

Tricia Ahern  Online Testing Coordinator

Fred Dreyfus  Assistant Director

John Hutton  Instructor

Paulette Muller-Girard  Software & Database Manager

Alex Skiaidas  Assistant to Web Administrator

**CIS 101 Lab Instructors**

Andrey Baranovsky  New York City
Daniel Bykat  New York City
Naven Mohabir  Westchester
Jason Rapaccio  New York City

Y2K KORNER

All those stories about planes falling out of the sky when the millennium dawns are, of course, complete rubbish. We are quite sure that the airlines have done everything necessary to ensure their computers are millennium compliant and will switch over to the year 2000 with no problems.

All the same, one can understand why Liam Anton was a tiny bit alarmed when he received the statement of his "Flying Dutchman" air miles points from KLM last month. It told him that to stay in the so-called RoyalWing part of the scheme, he needed to earn 22,000 extra points *before 21 January 1990."

New Scientist 24 April 1999
www.newscientist.com

**UPCOMING EVENTS**

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PROFESSIONAL ACTIVITIES AND PERSONAL ACCOMPLISHMENTS

Dennis Anderson (Assistant Dean and OIS) presented a poster on "The Virtual Professor Project: Total Integration of a Teaching Environment via the World Wide Web" at the 4th Annual Conference on the Teaching of Computing held in Belfast, Northern Ireland. He also attended a workshop on Teaching Ethics and Computing sponsored by the National Science Foundation at the University of South Florida in Tampa.

Judy Caouette (OIS) and Susan Feather (OIS) team-taught CIS 101 Introduction to Computing to female inmates at a nearby prison facility this summer. Susan Feather also moderated a session on "The Virtual Enterprise Project" at the Work-Based Learning: From Vision to Viability Conference held at New York University and presented "Internet-based Learning" at the Eastern Business Education Association Conference in Saratoga Springs, NY.

Samuel Epelbaum (OIS) chaired a session on Networked Delivery of Multimedia Applications and Service at the International Conference on Communications – ICC ‘99 held in Vancouver, British Columbia, Canada. He also participated in a workshop on Network Modeling at Passport, the OpNetwork ‘99 Conference held in Washington, D.C.

Michael Gargano (CS/New York) presented a paper titled "Software Engineering: Classroom Experience" and co-chaired a panel on the same topic at the Northeastern Conference of the Consortium for Computing in Small Colleges held in Providence, RI.

He and Joseph Malerba (CS/Westchester) presented a paper that they co-authored titled "Antagonizing Walks on N Cubes" at the 37th Graph Theory Day, a one day research meeting sponsored by the NY Academy of Sciences. Muhammad Rehman (BS/CS) also participated. The meeting, held at Bronx Community College, was organized by Louis Quintas of the Mathematics Department.

Both Dr. Gargano and Dean Susan Merritt participated in Discrete Mathematics and Computer Science Concepts in the New High School Mathematics Curriculum, a symposium for New York City high school mathematics teachers. Dr. Gargano presented "Modeling Real World Problems with Discrete Mathematics" while Dean Merritt discussed the "ACM Model Computer Science Curriculum."

Susan Merritt (Dean) and Allen Stix (CS/Westchester) had their book Migrating from Pascal to C++ reviewed favorably in the March/April 1999 issue of IEEE Software. Dean Merritt was recently elected to the Board of the New York Software Industry Association and was also one of five individuals invited to serve on a Task Force for Distance Education by the New York State Department of Education. In addition, she made an evaluation visit to Central Connecticut State University to review their new master's program in Computer Information Technology.

She was also invited to serve as chair of the opening plenary session panel at the 5th Annual Asynchronous Learning (ALN) Conference in College Park, MD where she gave a presentation on "Moving ALNs to the Mainstream."

David Sachs (Assistant Dean) was invited to chair a session on Corporate Asynchronous Learning Network at the same conference.

Jeanine Meyer (IS/New York) presented "Teaching Mathematical Thinking through Origami" at Bridges: Mathematical Connections in Art, Music and Science with her son Daniel, a doctoral student at Cornell. The conference was held at Southwestern College in Winfield, KS.

She also presented "On-line Conferencing in a Marketing Course" co-authored with Karen Berger (Marketing) and delivered at The 9th Biennial World Marketing Congress held in Malta. Additionally, she presented a computer specialist's perspective as a panelist on "Transitions and Transformations: The Evolution of a Writing and Technology Across the Curriculum Program" with Linda Anstendig (Literature/Communications) and Eugene Richie (English) at Cornell University in Ithaca, NY. Most recently, she participated on a panel on Electronic Commerce – Classroom Experiences at the 15th Annual Eastern Small College Computing Conference in Olean, NY.

Bel Raggad (IS/Westchester) attended a seminar on Data Mining at the Two Crows Conference in Bethesda, MD. He and Stuart Varden (IS/Westchester) presented "Planning Global Information Using On-line Business Technologies" as part of a special panel on Global Information Technology Management at the 8th Annual World Business Congress held in Monterey, CA.

Namchul Shin (IS/New York) presented "Assessing the Business Value of IT: The Role of Product Diversification" at the 6th European Conference on IT Evaluation at Brunel University, UK.

Stuart Varden (IS/Westchester) attended the National Colleague Conference and EDSIG Board Meeting sponsored by the Association of Information Technology Professionals held in Arlington, TX. He is currently serving as Director of Membership Services for EDSIG, the educational special interest group of the Association. He was named Chair of the ISECON 2000 Conference to be held in Philadelphia next fall.

Four CSIS faculty members shared their research findings with their colleagues at Faculty Research Day held at the Graduate Center in White Plains on May 4. Jeanine Meyer and Karen Berger presented "Web Page Design for a Marketing Course;" Constance Knapp discussed "What Kinds of Organizations Will Successfully Use CASE Tools;" and Joseph Malerba and Michael Gargano told of "Strings and Things."
BIBLIOGRAPHY

Articles, Proceedings, Online Journals, Technical Reports and Master’s Theses

Tom Brier, J. Luffman and R. Pap

Judy Caouette, Arlene August and S. Flank

Susan Feather

Michael L. Gargano and Joseph F. Malerba

Daniel Meyer and Jeanine Meyer

Jeanine Meyer and K. Berger


Jeanine Meyer, L. Anstendig and G. Ritchie

Jeanine Meyer, L. Anstendig and M. Driver

Namchul Shin

ONLINE JOURNALS

Jeanine Meyer and M. Driver

Jeanine Meyer, Aviva Meyer and Daniel Meyer

CSIS TECHNICAL REPORTS

D. Paul Benjamin

Joseph A. Bergin

Howard Blum and David Sachs

Nicholas J. DeLillo

Nicholas J. DeLillo and Kai Yu

Ronald Frank, Mary Courtney, Frances Gustavson, Joseph Malerba, and Allen Stix

Joseph F. Malerba and Narayan Murthy

CSIS MASTER’S THeses

Anna Armentrout
“Java-DACTL: A Tool for Teaching Novice Programmers to Design and Write Java Programs with UML,” 1999. Advisor: Dr. J. Bergin

Philip Davis
“XwingML to BML Transformation,” 1999. Advisor: Prof. P. Dantzig

Yu-Chun Han

Alfred Rossi
“KPPCDL: An Internet Based Shared Environment for Introductory Programming Education,” 1999. Advisor: Dr. J. Bergin
Here is a selection of five engaging books on the history of computer science, the Internet, and related areas that I think you will find interesting and informative.

The first two books are about the history of the computer and computing.

**A History of Modern Computing**  
Paul E. Ceruzzi, MIT Press, 1998  
This is the riveting story of the history of modern computing, beginning with the development of the first electronic digital computer to the coming of the World Wide Web. This history is broken up into the four major eras of computing technology. First, we see how in the 1940s and the early 1950’s the computer is metamorphosed from a powerful scientific tool to a viable commercial business product. Next, we are transported to the 1960s and the emergence of small computing systems to the beginnings of personal computing in the 1970s. Finally, we are brought up to the mid-1980s and the rapidly growing area of networking.

**Dealers of Lightning, Xerox Parc and the Dawn of the Computer Age**  
Michael Hiltzik, Harper Business, 1999  
This is an interesting chronological narrative of the legendary Xerox Parc team, a collection of young, eccentric, maverick thinkers and inventors during the 1970s and 1980s. This group, created by Xerox Corporation, was housed at a Palo Alto facility in California with the goal of bringing about extraordinary change in the technological world of computing. Some of the ideas given birth to in this intellectual incubator were: the first personal computer, graphical user interfaces, the laser printer, much of the Internet’s fundamental technology, and much more. But why hasn’t Xerox been able to grasp and exploit these groundbreaking innovations?

The next two books are about the history of the Internet.

**NERDS 2.0.1 A Brief of the Internet**  
Stephen Segaller, TV Books, 1998  
This is a story of the cultural and technological phenomenon which is called the Internet. Although the technology is a major part of the story, this history emphasizes the people who put it together, their ideas, their ambitions, and their visions. More than 70 pioneers, inventors, researchers, business tycoons and executives, and visionaries relate their stories in their own words and, by doing so, add to the living history of an idea that changed the world. The appendices, consisting of the cast of characters, an Internet timeline, a glossary of Internet terms, and a list of acronyms (by the way, TLA, the acronym for Three Letter Acronym, is my personal favorite) was quite informative.

**Inventing The Internet**  
Janet Abbate, MIT Press, 1999  
The 1960s experimental network with only a dozen computer sites, through an unpredictable, rapid and turbulent evolution, has grown into a worldwide network linking millions of computers. The author relates a convoluted tale of conflict and collaboration among an eclectic group of players from government, academia, and industry by focusing on the social and cultural factors that have influenced the design and use of the Internet. The historical trends of user-driven development decentralization, and commitment to flexibility and diversity will continue to propel the success that is the Internet.

Finally, an historical autobiography of a giant in the field of computer science.

**The Big Idea, Turing and The Computer**  
Paul Strathern, Anchor Books, 1997  
Alan Mathison Turing’s cutting edge definition of computing and his keen insights into computer theory and the limitations of computing machines before any devices had actually been built has made him the major individual figure in the history of computing. This is a short biography of a very idiosyncratic mathematician who created the Colossus calculator to crack the German Enigma codes during World War II, played a seminal role in the birth of artificial intelligence, and was a key player in the development of electronic computing machines during the 1930s and 1940s. Turing unselfishly set aside a promising, brilliant mathematical career and successfully saved his country by decoding critical Nazi war correspondence, but an ungrateful country foolishly prosecuted him for his homosexuality. Almost fifty years after his untimely death, he is again recognized by the general public as a giant in the field of computer science.

I hope you can find the time to read some of these interesting publications. If you come across any other books that you think our faculty or students might enjoy, please let us know.
Y2K: THE CONTEST

Whatever Y2K problems await us will surface soon.

The School of Computer Science and Information Systems of Pace University is sponsoring a special contest in recognition of this unique phenomenon in the history of computing.

Please write a short essay predicting how the Y2K problem will surface on the 1st of the Y2K or early on in the new millennium and become eligible for a prize.

Contest Rules

Eligibility: Open to the entire Pace community – students, faculty, staff, and administrators.

How to Enter: Write a one-page prediction. Include your name and contact information on the top of the page.

Submit your entry as follows:

MAIL: Y2K Prediction
CSIS – Goldstein Academic Center
Pace University
Pleasantville, NY 10570

OR

E-MAIL: nmurthy@pace.edu or dfarkas@pace.edu

Deadline: December 26, 1999

Decision: A panel of judges from the School of Computer Science and Information Systems will determine the winners.

Prizes: Several PALM Pilots will be awarded for the top essays. Winners will be announced on January 15, Y2K. Check the following Website (provided it is accessible) for the names of the lucky winners and their award winning predictions: http://csis.pace.edu/csis/index.html

KEEP US POSTED

Do you have information for Alumnnotes? Please send the details in writing to:

Pace University, Office of Alumni Relations, 235 Elm Road, Briarcliff Manor, NY 10510 Fax: (914) 923-2628 E-mail: pacealum@pace.edu

☐ Married  ☐ General Update  ☐ Promotion  ☐ New Job  ☐ Moved  ☐ Other Degrees/Awards  ☐ New Baby  ☐ Other __________________________

Details ________________________________________________________________

Name ________________________________ School ____________________________ Class of ______

Home Address (☐ New) __________________________________ City ______ State ______ Zip+4 ______

Area Code/Home Telephone (☐ New) ________________________________ E-mail Address __________________________

Business/Employer ____________________________________ Occupation/Title __________________________

Business/Work Address (☐ New) __________________________________ City ______ State ______ Zip+4 ______

Area Code/Work Telephone (☐ New) ________________________________

For more information, call the Office of Alumni Relations at (914) 923-2701, or visit PACE Magazine online at www.magazine@pace.edu. (GO TO ALUMNI CONNECTION)