Dr. Ephraim McLean, Chair of the CIS Department at the Robinson College at Georgia State University, congratulates David Barnes, SVP and CIO of UPS, upon his receiving the “Excellence in IT Leadership Award” at the December 2008 CIO Executive Summit.
For the past decade, the Computer Information Systems (CIS) Department in GSU’s Robinson College of Business has been ranked as one of the top ten CIS/MIS programs in the nation by U.S. News & World Report. The latest rankings place GSU’s CIS undergraduate program as the eighth best program in the country and the graduate program, ninth. Here are the rankings for 2008-2009:

**Best Undergraduate MIS Programs:**
1. Massachusetts Institute of Technology
2. Carnegie Mellon University
3. University of Texas
4. University of Arizona
5. University of Maryland
6. University of Pennsylvania
7. University of Michigan
8. Georgia State University
9. University of Georgia
10. University of Michigan

**Best Graduate MIS Programs:**
1. Massachusetts Institute of Technology
2. Carnegie Mellon University
3. University of Texas
4. University of Minnesota
5. University of Arizona
6. University of Maryland
7. Stanford University
8. New York University
9. Georgia State University
10. University of Pennsylvania

In another study of “Top Research Universities Faculty Scholarly Productivity Index,” The Chronicle of Higher Education ranked Georgia State’s CIS Department as number five nationally in the information system category for 2007. Other schools that were ranked in the IS category were Carnegie Mellon University, Perdue University, Georgia Institute of Technology, University of Pittsburgh, and Harvard University.
CIS Enrollment Is Increasing

In 2000, the information systems and computer science enrollment bubble burst along with the Internet bubble. Dramatic declines since 2000 of up to 80% continue at many institutions. However, Georgia State’s CIS enrollments are now increasing with substantial growth in the undergraduate program of 17% and 19% in the graduate program over Spring 2008. Please see the graph at the right.

Influences causing this growth include the new CIS undergraduate curriculum; the top 10 program rankings for both undergraduate and graduate programs; the number one research ranking for CIS; the belief that there will be viable IS careers for students; and the enthusiasm of the faculty, both full time and adjunct, who share their insights and experiences in teaching CIS courses. Examples of our best teachers come from your ranks! So, if you have a masters in IS and five or more years experience in IS or a related field, come and give back to our CIS students as a part-time instructor. Contact Carl Stucke, Associate Departmental Chair at cstucke@gsu.edu.

CIS Department Tops in Research

The Robinson College’s CIS Department was ranked number one and number two in the world in research productivity in two recent studies. The first, published in the Communications of the AIS in 2005, tallied the total number of papers published in 12 leading information systems journals by researchers from universities from around the world during the period 1999-2003. The top five universities were

1. Georgia State University
2. University of Maryland
3. University of Pennsylvania
4. University of Arizona
5. City University of Hong Kong

Detmar W. Straub, J. Mack Robinson Distinguished Professor and Director of Robinson’s Doctoral Program, was ranked number nine “most productive” among IS scholars in the world on this list.

In a second study, published in 2007 in the Communications of the AIS, counted the “number of citations of articles published in target premier journals” during the 15 years from 1990 to 2004. The “premier journals” covered in this study were the MIS Quarterly, Information Systems Research, and Management Science; and the top five universities were

1. Massachusetts Institute of Technology
2. Georgia State University
3. University of British Columbia
4. University of Minnesota
5. Carnegie Mellon University

A paper on “Information Systems Success,” published in 1992 by Ephraim R. McLean, Regents’ Professor, G.E. Smith Eminent Scholar’s Chair, and Chairman of the CIS Department, and William H. DeLone, McLean’s former doctoral student and now a professor at American University, was listed as the “most cited article” published in the world in the 15-year period of the study.

CIO of UPS Honored at CIO Summit

David Barnes, the Senior Vice President and CIO of United Parcel Services, was presented with the “Excellence in IT Leadership Award” by D. Scott Davis, Chairman and CEO of UPS, at the Fourth Annual CIO Executive Summit held at the Omni Hotel in Atlanta on Tuesday, December 9, 2008. This Award, given for the first time this year and co-sponsored by the J. Mack Robinson College of Business and the CIO Executive Summit, recognized Mr. Barnes “not only for his leadership in the IT industry, but also for his leadership and contributions in the Atlanta IT community as well as his service to the overall development of the Atlanta CIO Executive Summit for these past four years.”

The CIO Executive Summit, hosted in Atlanta each December by the Robinson College of Business, is part of an international series of CIO Summits held throughout the United States and abroad. Attendance is by invitation only and is directed at senior IT leaders of firms with revenues of half a billion dollars or larger. This December’s Summit attracted nearly 200 CIOs and their direct reports from both public and private organizations throughout the southeast.
CIS Faculty Play Leading Roles in Major IT Journals

Within the past few years, five leading IT journals have found their editorial home in Robinson’s CIS Department – *MIS Quarterly*, *European Journal of Information Systems*, *Information and Organization*, *Journal of Requirements Engineering*, and *African Journal of Information Systems*. The editors-in-chief of each of these five journals have been chosen from among current members of the CIS faculty, an accomplishment matched by few other departments in the country.

**Editor-in-Chief, MIS Quarterly**

**Dr. Detmar Straub**, J. Mack Robinson Distinguished Professor of Information Systems, became the Editor-in-Chief of the *MIS Quarterly (MISQ)* in January 2008. The journal, founded in 1977, has been published by the Carlson School of Management at the University of Minnesota for 33 years. Previously, Straub served as Senior Editor for the *MIS Quarterly*, *Information Systems Research*, *Journal of the AIS*, and *DATA BASE*. The *MIS Quarterly* consistently places first among the best business journals. According to Thomson’s ISI Journal Impact Factor (June 2008), *MISQ* had a citation factor of 5.8, ranking it #1 among management, marketing, finance, accounting, economics, and public administration journals. (Mangematin, V., and Baden-Fuller, C. “Global Contests in the Production of Business Knowledge: Regional Centres and Individual Business Schools,” *Long Range Planning* (41) 2008, 117-139). Straub’s industry consulting is in the areas of information security, e-commerce, and technology innovation.

**Editor-in-Chief, European Journal of Information Systems**

**Dr. Richard Baskerville**, past Chair of the CIS department, became the Editor-in-Chief of the *European Journal of Information Systems* in 2008. The *European Journal of Information Systems*, founded in 1992, provides a distinctive European perspective on the theory and practice of information systems for a global audience. The journal is published by Palgrave Macmillan Ltd. The journal encourages first-rate research articles by academics and case studies/reflective articles by practitioners, providing a critical view on technology, development, implementation, strategy, management and policy. Baskerville’s practical and consulting experience includes advanced information systems designs for the U.S. Defense and Energy Departments. He is a former chair of the International Federation for Information Processing Working Group on Information Systems and Organizations, and a Chartered Engineer under the British Engineering Council.

**Editor-in-Chief, Information and Organization**

**Dr. Daniel Robey**, John B. Zellars Professor of Information Systems, became the Editor-in-Chief of *Information and Organization* in 2000. He also serves on the editorial boards of *Organization Science*, *Information Technology and Management*, and *Information Technology and People*. *Information and Organization*, founded in 1991, is published by Elsevier Ltd. The journal publishes original scholarly articles on the relationships between information technologies and social organization. It seeks a scholarly understanding based on empirical research and relevant theory. *Information and Organization* seeks to advance established and emerging theoretical arguments through the publication of papers that review empirical research and provide directions for future research and theory development.

**Editor-in-Chief, Requirements Engineering Journal**

**Dr. William Robinson**, Associate Professor of Information Systems, became the Editor-in-Chief of the *Requirements Engineering Journal* in 2008. The journal has been published by Springer for 14 years. Requirements and policies of information systems are the focus of Robinson’s research, which includes analyses of supply-chain policies, requirements interactions and negotiations, and runtime requirements monitoring. He directs the Requirements Analysis and Monitoring Lab, supported by the National Science Foundation and industry. The lab has produced ReqMon, a requirements monitoring extension to Eclipse TPTP. He serves the requirements engineering community as RE’99 program chair, RE’09 general chair, *Requirements Engineering* editorial board member, and secretary of International Federation for Information Processing Working Group 2.9 on Requirements Engineering.

**Editor-in-Chief, African Journal of Information Systems**

**Dr. Peter Meso**, Assistant Professor of Information Systems, became the Co-Editor-in-Chief of the *African Journal of Information Systems (AJIS)* in 2007. The *African Journal of Information Systems* provides a high caliber scholarly research journal in information and communication technology (ICT). The focus of AJIS is to acquaint a broad audience of readers in the variety of intellectual traditions included under the rubric of ICT in Africa. Therefore, the journal aims at disseminating research on the transfer, diffusion, and adoption of ICT within the context of Africa; the innovation and development of ICT solutions for and within this context; impacts of ICT on society and of society on ICT; and other relevant normative, empirical, and theoretical concerns of ICT development, implementation, strategy, management, and policy that are distinctive to Africa and associated developing economies. Dr. Meso’s research is focused in two core area of information systems: global information technology and information systems development.
National Science Foundation Funds Two CIS Research Projects

Dr. William Robinson, CIS Department, received a three-year, $246,498 research grant from the National Science Foundation to study ReqMon technology. It is supported through NSF’s Science of Design program. ReqMon technology assists physicians in the monitoring of their patients. If a patient is having trouble meeting their clinical goals, then the ReqMon system alerts the physician, providing a detailed description of the problem.

ReqMon monitoring is currently using assistive technology (AT) for cognitively impaired (CI) patients. At the University of Oregon, the Think and Link (TAL) project provides a specialized e-mailing system to cognitively impaired patients in an effort to decrease their social isolation, which often occurs after a brain injury. However, patients typically abandon AT after a short period; but TAL patients continue to expand their e-mail system usage. This unusual success may be due, in part, to the ability of ReqMon to alert physicians when a patient is off track. When that occurs, physicians can update the treatment plan to get the patient back on track.

Physicians can use ReqMon information about the average violations and achievements to redirect a patient’s treatment or redesign the patient’s e-mail application. ReqMon’s monitoring technology can also be applied to business activity monitoring, runtime software testing, and other monitoring applications that require sophisticated analysis of an event stream.

Dr. Robinson’s ReqMon technology demonstrates how assistive technology can be continually adapted to meet the changing needs of cognitively impaired patients. Approximately 53 million individuals have disabilities in the U.S. and more than one million adults are diagnosed each year with cognitive impairments due to neurological disease or trauma (e.g., traumatic brain injury, stroke, tumor, epilepsy, infectious disease). In the coming years, incidence rates are expected to rise due to a rapidly aging population. By monitoring and adapting, assistive technology can be continually customized to help cognitively impaired patients. Consequently, potentially millions of the cognitively disabled may see improvements in their lives, as they become empowered through personalized software.

The National Science Foundation (NSF) is funding a second research project at GSU: a collaborative project between Georgia State University and Penn State University. The project is designed to evaluate new methods being used to teach information-technology classes at the undergraduate level.

The $705,000 three-year grant will be shared between the two universities in an effort to transfer and adopt Penn State’s AESOP Program, Augmenting Education of Systems-Of-Systems Professionals, to Georgia State.

The “Systems-of-Systems” concept refers to technology being used to develop smaller, independent applications, rather than larger, monolithic, multifunctional applications. The development and implementation of these Systems-of-Systems utilizes innovative, state-of-the-art technology. However, as these Systems progress and mature from one generation to the next, the complexity of their technologies also changes and evolves.

In order to prepare students to build and support these intricate, inter-organizational systems, universities must continually alter the way IT courses are taught. Penn State has experienced considerable success with a curriculum using experiential learning, problem-solving, exploration, and real-world projects. According to Professor Sandeep Purao, the project leader at Penn State, “our success is evident in both our high placement rate for graduates — our graduation classes have averaged a 95-percent placement rate — and in our increasing enrollments at a time when there has been a significant nationwide downturn.” Determining whether this approach to learning can be replicated in other universities is a large part of this NSF project. Each component of the teaching methods adopted from Penn State will be evaluated and documented at Georgia State for possible transferability to other universities.

Leading the team at GSU are professors Vijay Vaishnavi and Richard Welke of the CIS Department and Faye Borthick in her role as Director of Georgia State’s Center for Teaching and Learning. According to Professor Welke, “Georgia State’s CIS Department has a long history of being early originators and adopters of innovative topics, curricula, and methods. Combining these efforts, and with the success Penn State has experienced, provides an excellent opportunity for evaluating and documenting both the advantages and disadvantages of this type of learning environment.” Professor Vaishnavi adds, “The timing could not be more perfect for this project. The external demand for IT professionals is growing very rapidly. The further development and evaluation of the AESOP pedagogy has the potential for preparing exceptionally talented computer technology graduates to meet the ever-increasing needs of business and industry.”

MIS Quarterly
Best Paper Award - 2007

Congratulations to Professor Michael J. Gallivan and Andrew Burton-Jones, a former CIS doctoral student now on the faculty of the University of British Columbia, for their research paper, “Toward a Deeper Understanding of System Usage in Organizations: A Multilevel Perspective,” which was selected for the 2007 Best Paper Award by MIS Quarterly.

They were awarded a plaque for their paper at a luncheon held by the Quarterly in Paris last December.
CIS Department Launches Two New Degree Programs

Beginning in the fall of 2008, the CIS Department has launched two new graduate degree programs. The first is a one-year Executive Masters of Science in Managing Information Technology. The second, offered in conjunction with the Robinson College’s School of Accountancy, is a two-year degree, Information Systems Audit and Control.

► Executive Master of Science in Managing Information Technology. Long offered on campus, the Master’s in Information Systems degree is now offered in Buckhead in an executive format: Managing Information Technology (MS MIT). It’s designed to provide experienced IT professionals with the competitive edge needed for them to transition to significant executive-level responsibilities. The inaugural class was launched in August 2008 and will graduate in July of 2009.

David Tatum, FiServ
MS MIT Class of 2009

“I’m an IT manager within a Fortune 500 company. My 12 years of IT experience has been predominantly in the software engineering and application architecture realm. I chose to pursue an MS MIT degree for the education geared towards managing IT in a wholistic approach instead of the typical siloed mentality. All of the material in the MIT program has been directly related to my future career as an IT executive and I’ve been implementing several topics in my current position.”

The demand for IT leaders has risen dramatically in all sectors of the IT industry. As a consequence, IT managers find themselves with less time to pursue a higher education. This specially-created program allows IT professionals to advance their knowledge and career with less career disruption and a better work-life balance.

The MS MIT program consists of 12 courses taught during a one calendar year. Face-to-face classes are held on alternating Saturdays, with electronic distant-learning modules offered asynchronously for the convenience of the participants, providing learning any time, any place. The program is designed to meet the needs of busy information technology professionals.

Classes are held in Robinson’s new Executive Education Center in the Tower Two building in Buckhead, which also houses Robinson’s nationally-ranked Executive MBA program. Another aspect of the new program is a strong commitment to the success of each participant through the Mentor of Excellence program, offered in conjunction with the national firm, PathBuilders. Over the course of the year, each participant is paired with a senior business leader who serves as mentor providing guidance, advice, and support.

A single, all-inclusive fee of $37,500 covers tuition, parking, books, meals, mentoring, and other costs associated with the program. For more information on the MS MIT program, visit the program Web site at robinson.gsu.edu/Masters-Managing-IT or contact John Hupp, the Program Manager, at 404-413-7376. Applications are now being accepted for the class beginning on August 7, 2009.

► Master of Science in Information Systems Audit and Control. Increasingly, accounting firms are being called upon to go beyond their traditional roles of auditing financial statements and accounting systems to audit other types of systems, in this case, information systems. This new degree program, a Masters of Science in Information Systems Audit and Control (MS ISAC), offered jointly by the Robinson College’s School of Accountancy and the CIS Department, is designed to meet this need. It was approved by the Board of Regents in 2007 and was launched in the fall of 2008.

There is a major shortage of specialists who have a combination of the accounting and information-technology knowledge necessary to audit and execute management decisions in areas such as IT assurance, information security, IT governance, and IT risk management. The MS ISAC degree program is designed to meet the needs of students who want to build a strong background in the application, auditing, and assurance of information systems and information and communication technology, as well as in accounting.

Graduates will be well prepared for careers in IT auditing, but also for a variety of other areas such as accounting, information systems, consulting, and assurance, especially in environments that involve the integrated use of ICT in accounting systems. The increase in legislation such as the Sarbanes-Oxley (SOX) Act has triggered a great demand for IT Audit and security compliance professionals. This is a relatively recent development in the IT and the business sector in general; thus there is a current shortage of knowledgeable professionals in the field.

Although the MS ISAC program is currently only offered on campus, discussions are underway to offer the program in an executive, one-year format similar to the MS MIT executive program described above.

IT Courses Catalog Cover

The CIS Department offers 16 executive IT short courses for spring 2009. Areas covered include IT leadership, management, business intelligence, innovation, outsourcing, security, computer forensics, enterprise resources, supply chain management, and mobile and wireless applications, and others. For more information visit:

www.ExecEd.GSU.EDU

New Executive Education Center in Buckhead (Atlanta, GA)
CIS and Health Administration Departments Launch Health Informatics Specialization

Robinson students now have several options to pursue in the growing area of Health Informatics. Health Informatics encompasses the knowledge, skills, and tools which enable information to be collected, managed, used, and shared to support the delivery of health care and to promote health. This definition goes much further than the mere use of computers in medicine, although of course, information technology has a central role to play.

Undergraduate CIS students can now specialize in the Health Informatics joint major, offered in conjunction with the Robinson Institute of Health Administration. The purpose of this specialization is to produce graduates who know how to deploy information technology to innovate medical services and administrative processes within the health care industry. MBA students and MS students in IT can also concentrate in Health Informatics.

The health care sector plays an increasingly important role in the nation, with growing pressures to deliver health services of higher quality and at lower costs. Health care institutions and processes are information-intensive in nature and the use of information technology to support the delivery of care is growing.

The U.S. Department of Health and Human Services has mandated a national health care information infrastructure (including electronic health records) by 2014, driving an industry-wide focus on interoperability and transparency of health care systems and records. This new joint major will help Robinson graduates prepare for meeting this challenge.

For more information on this program, contact Dr. Abhay Mishra at amishra@gsu.edu.

One-Year Executive Master of Science in Managing Information Technology

Companies that are benefiting from the knowledge, skills and expertise their employees have gained as participants in this year’s program:

- AT&T
- AT&T Mobility
- CDC Software
- Consolidated Container Corporation
- EMC Corporation
- FiServ
- MetLife
- Network 1 Consulting
- Turner Broadcasting

Alumni Spotlight

Ann Franks. BBA 1995, joined Tatum LLC as a partner. Ann was formerly Vice-President of Information Security & Strategy, Ricoh Americas Corporation, and before that, CIO of Lanier Corporation.

John Hupp. MS 2007, joins the CIS Department as Director of CIS Student Programs. He previously worked for Cullinet, Applied Theory Communications, EMC, CreekPath, and Crown Crafts. His consulting practice clients included Cornell University, Stanford University, University of Virginia, Software AG, and the Department of Defense.

Jon Kerner. MS 1993, MBA 1992, takes over as the chief information officer for MPS Group in Jacksonville, Florida. He comes to MPS from EarthLink, a leading Internet service provider, where as CIO, he was responsible for leading Earthlink’s internal and customer-facing technology platforms. Prior to EarthLink, Mr. Kerner was a partner with Scott, Madden & Associates and a consultant with PricewaterhouseCoopers.

William Kuechler. PhD 1998, was promoted to full professor at the University of Nevada at Reno. He is on the editorial board for the Journal of Information Systems Education and is an associate editor for the Journal of Information Technology Cases.

Walter Rich. BBA 1993, MBA 2007, joins the CIS Department as Manager of External Affairs. He previously worked for Macy’s Systems and Technology, Saab Cars USA, the American Cancer Society, AT&T, Amoco, IBM, and Intellimedia.

Scott Schneberger. PhD 1995, has been named as Dean of Academics at Principia College located in Elsah, Illinois. Dr. Schneberger taught at the University of Western Ontario’s Ivey School of Business and was the associate professor and co-executive director of the Center for Applied Research on Emerging Technologies at Appalachian State University’s business school.

Yes, I Want to Support Computer Information Systems at GSU

Each year, when you donate to the GSU Annual Giving Campaign, consider contributing your financial support directly to the Department of Computer Information Systems with a tax deductible donation. Donating is easy with GSU’s online system. Help us build a brighter future.

Our IT education programs are recognized as some of the best in the nation. Contributions help us provide more value with our educational offerings such as the creation of our one-year Executive Master of Science in IS, a Saturday-only program designed for working IT professionals.

To donate directly to the CIS department, visit: www.gsu.edu/giving

Direct your donation to Robinson College, select “other,” and type in “Computer Information Systems.”
In 2006, Sandra (BBA 1982) and Douglas Bergeron established a $1 million scholarship-mentorship grant to Georgia State University’s Robinson College of Business. Named the “Bergeron Women in Technology Leadership Fund,” $50,000 is awarded annually to five female undergraduate or graduate students who have expressed or demonstrated high potential for leadership careers in technology. These scholarship winners are partnered with senior women executive in a one-on-one mentorship program designed to assist them in their educational and career advancement. The five Bergeron Scholars and their mentors for 2008-09 are:

Ms. Tamara Roper, Junior
Ms. Kia Rainey, Senior
Ms. Melissa Lamoureux, Senior
Ms. Jessica Wrenn, Senior
Ms. Catherine Mickle, Sophomore

Cindy Tierney, CIO, Beazer Homes
Barbara White, CIO and Associate Provost, University of Georgia
Sheila Schweitzer, Chairperson and CEO, CareMedic
Laurie Johnson, VP and CIO, UPS Supply Chain Solutions
Marie Mouchet, VP and CIO, Southern Nuclear Generation and Power, the Southern Company

Dr. Balasubramaniam (Bala) Ramesh, Board of Advisors Professor in the CIS Department, received the 2008 Board of Regents’ Teaching Excellence Award, the highest teaching honor bestowed upon a faculty member in the University System of Georgia, comprising all of the 35 campuses through the state. Ramesh first won the Robinson College’s Award for Outstanding Teaching, then the University’s, and finally the System-wide Award.

Dr. Ephraim R. McLean, Regents’ Professor, G.E. Smith Eminent Scholar’s Chair in Information Systems, and Chair of the CIS Department in the Robinson College, was honored at the International Conference on Information Systems (ICIS) in Montreal, Canada in December of 2007 with the LEO Award for “a lifetime of exceptional achievement in information systems.” The LEO Award, which was established in 1999 by the Association for Information Systems and ICIS, honors outstanding individuals who have contributed to the information systems community. Honorees are scholars or practitioners who have significantly advanced knowledge or insight into their field and have consistently contributed new and compelling research throughout their career. The LEO Award is named for the Lyons Electronic Office, the world’s first application of computers to business, begun in the U.K. in 1951.