

John Jarvis to Step Down as School Chair

Reflections on a Legacy

John Jarvis has announced that he will step down as chair of the School of Industrial and Systems Engineering as soon as Georgia Tech selects his successor.

He's not in a big hurry. After 33 years of association with the IE School—13 as chair—Dr. Jarvis is simply ready to move on to something else. “Mainly it will be out on the golf course,” he says. That's not the only reason, though.

“It's time for somebody new to come on with new ideas. I've done what I wanted to do, and now the school needs someone to take it to the next level, maybe in a new direction,” he says.

Active Alumni

Dr. Jarvis' tenure with the School has been fruitful, but he is particularly proud to have reconnected ISyE with its alumni base. “When I was considered for this job, I reflected on the achievements of the three school heads before me,” he says. “Each one had a major accomplishment: Colonel Groseclose got the School going. The second head, Bob Lehrer, brought the School into the modern industrial engineering era. He embraced operations research and new technologies, and the character of the School became more far-reaching in its philosophy.



A young professor Jarvis in 1978.

“The third head, Mike Thomas, took us into the area of research and graduate studies. He brought in first class researchers, and still maintained the strong undergraduate program,” he continues. “What could I possibly do? The School had just been named number one under Mike's leadership.

“I thought about the 10,000 alumni out there. If I could connect them back to the School, get them involved, excited, energized—think of the resource we would have in their time, energy, and money. And I feel like we've been able to do a lot of that,” he says proudly. He points to the active ISyE Alumni Advisory Board, composed mainly of alumni, and the annual Alumni Assembly as examples.

“I am amazed by the number of ways our alumni have contributed,” Dr. Jarvis goes on. “I'll give a few examples. They've helped redesign our curriculum. They told us our graduates must have strong communications skills. And we added a director for Workplace and Academic Communications. They told us finance is important; it's something

we ought to put in the curriculum. And we did. As a result, our students are getting terrific jobs and great salaries. I really credit our alumni and friends for guiding us through this evolution.”

A Well-Equipped, Growing Program

“I also wanted us to get heavily into computers,” he continues. “Now we've got 700 computers in ISyE and a large IT staff. We require three computer science courses in our undergraduate curriculum, more than any other program except Computer Engineering! Another thing we tried to do, that I don't think we accomplished—I wanted Tech to help other IE schools around the country. We did some of that, but not as much as I wanted. We were able to put some of our good graduates on their faculty.

“We also ran up the size of our Ph.D. program. The faculty was very unhappy when I did that. Fortunately, we had excellent candidates, the faculty adjusted, and we've accommodated through increased research activities. I always felt that if we could place our students in IE programs through the country, they could take the Georgia Tech culture with them.”

The Future

Dr. Jarvis doesn't plan to stray too far from the Tech campus, although he insists he'll leave the faculty and not keep an office or do research. “I told the Dean that I'd be happy to help him and Georgia Tech out any way I could. We have been talking

continued on page 3



Message From the Chair

Alumni... and my dear friends:

At the last ISyE faculty meeting here at Georgia Tech, I announced that after 13 years on the job, I was stepping down as chair of the School. I will be engaged in activities at Georgia Tech on behalf of the ISyE School, College, and Institute; but not in the new School chair's way!

I am leaving a very healthy school. The ISyE School is the second (sometimes first) largest degree program at Georgia Tech. It has 1,200 undergraduates, 180 master's, and 140 Ph.D. students; 56 faculty; 32 support staff; and more than 10,000 active alumni. The annual budget is approximately \$11 million. It currently occupies one four-story building with space in five more. It will receive a second, two-story building this spring and a third, four-story building in two and a half years. This will more than double the total space available to the School.

As you know, Georgia Tech completed a five-year capital campaign on December 31, 2000. The ISyE total was approximately \$31 million. Among other things, this gives the ISyE School ten Chairs (\$1.5 million each), three Professorships (\$750,000 each), 3 Young Faculty Fellowships (\$500,000 each), plus numerous graduate fellowships, undergraduate scholarships, and unrestricted endowments (for use by the School). In addition, thanks to Milt Stewart, the School chair occupies a special chaired professorship (\$2.5 million).

With your continued support, the School will grow and prosper. I am proud to have been a small part of the School's distinguished history, and especially to have known each of you.

With warmest regards,

John J. Jarvis

H. Milton and Carolyn J. Stewart School Chair and Professor

Abbreviated Bio

John J. Jarvis, Ph.D., PE
H. Milton and Carolyn J. Stewart
School Chair and Professor,
School of Industrial and Systems
Engineering, Georgia Institute
of Technology

Ph.D., Operations Research and
Industrial Engineering, Johns Hopkins
University, 1968

Research interests include trans-
portation, distribution, and logistics
modeling and analysis

Co-founder of CAPS Logistics,
Inc., which provides software and
consulting services in logistics

Member of several Boards of
Directors, including American
Software and Bobby Dodd
Industries

Advised several dozen master's and
doctoral students who have successful
academic and industrial careers

Published and presented more than
100 research papers, a book entitled
*Linear Programming and Network
Flows*, and a chapter on distribution
in *The Industrial Engineering Handbook*

Served as principal investigator on
more than \$5 million in contracts
and grants

Former president, Operations
Research Society of America

Former president, Institute of
Industrial Engineers

ISyE Graduate Program Still #1

Georgia Tech's College of Engineering maintained its powerful national stature in the most popular college rankings this spring, placing fifth in graduate school rankings from *U.S. News & World Report*. Seven of the eleven programs within Engineering also ranked in the top ten, and industrial and systems engineering ranked number one for the eleventh year in a row.

"Our consistent performance in these rankings over the last five years is notable and very satisfying," said Tech President Wayne Clough. "Every year, the rankings change and schools move up or down, in some cases drastically. That hasn't been the case with our programs. We've consistently scored highly in the areas in which we offer programs, and it speaks very highly of our students, faculty, and staff."

Overall, Tech's College of Engineering remained a member of the elite top five, behind MIT, Stanford, Cal-Berkeley, and Michigan. Other individual schools within the College of Engineering ranked as follows: aerospace moved up to 3rd; biomedical moved up one to 6th; civil remained at 6th; electrical rose one place to 6th; computer climbed two spots to 12th; and mechanical remained at 6th.

Faculty News

Dr. Pinar Keskinocak has been awarded a CAREER Award from the National Science Foundation.

Dr. Shabbir Ahmed received first place honors from the Dantzig Dissertation Award Committee for his research involving optimization

under uncertainty with application to strategic planning. The Dantzig Award is given to the best dissertation in any area of operations research and the management sciences that is innovative and relevant to practice. He received the award at the INFORMS meeting in San Antonio.

Dr. Augustine Esogbue has received a special Chieftancy award from the king of his town of origin in Nigeria. The title is conferred on select ranking chiefs who have distinguished themselves in the eyes of the town.

Dr. Paul Griffin has been named "Outstanding Faculty Member" for the College of Engineering by the Order of Omega.

Student News

Christopher Kavanaugh, IE, has been named the second annual ISyE Webb Scholar. The \$3,000 award is funded by Jack Webb, BS 1948.

Georgia Tech's chapter of Alpha Pi Mu has been named Alpha Pi Mu National Outstanding Chapter (first place) and Outstanding Chapter Region III.

William "Bill" George, IE 1964, honored his father by establishing the George Fellowships in 1996. The program makes grants of \$2,500 to select graduate students. Recipients for 2001 are: Suzanne Barsotti, MS; Jennifer Chung, MS; Elizabeth Ellen Crowell, MS; Timothy Davis, MS; Tiffany Tennille Ross, MS; Jeffrey W. Stemmermann, MS; and Shawn Craig Tobias, MS.



Jarvis to step down continued from page 1

about some things that I could do to help the School internationally, but I really want to give the new person as much opportunity to start out on the right foot with the faculty."

Meanwhile, Dr. Jarvis and his wife Alice will remain at home in the North Fulton County community of Crabapple, except when they're traveling or on the golf course.

What's Ahead for ISyE

Dr. Jarvis is adamant that the new School chair must have the space to make his or her own priorities. But he does have some ideas about the School's future:

▲ "The School's best days are about to come. We have so many opportunities to continue to grow. We've only begun to scratch the surface of what we can do with computers and information technology. I think that's going to be a big growth area—what I call information systems engineering. That will spread into all the activities around the School."

▲ "The School will continue to get stronger in logistics—we're considered the world leader in that area now. Another area that we will grow into is health. It's critical to the nation. We were getting out of it for a while, but we're going to jump back in a big way. We've already started hiring people."

▲ "One of the biggest changes will be our geographic orientation. I think ISyE will really step out internationally. We're already doing some great things in Singapore. Soon, Europe, and then we'll look at South America. ISyE has also got to be a player in Savannah, in Georgia Tech's Regional Engineering Program. The only thing I worry about is that we might spread ourselves too thin. We have to make sure each venture is a success before we bite off the next piece."

Ray Anderson Receives Prestigious Mitchell Award for Sustainability

Ray Anderson, BS 1956, is not the type of person you think of as your stereotypical eco-warrior. He isn't leading marches in the streets, initiating boycotts, or railing at industry leaders from afar about the consequences of their products on the environment. He doesn't have to, because he holds considerable weight in the boardroom.

But Anderson is an environmentalist, one that is well known for his efforts to implement the principles of environmental sustainability within his own company and those he does business with. In January, Anderson received the 2001 George and Cynthia Mitchell Prize for Sustainability at the Woodlands Conferences in Houston. He is only the seventh recipient since the award was established in 1974.

George Mitchell called Anderson a "pioneer in using innovative approaches to change past practices and to eliminate waste." He added, "His vision of how sustainable technology can be used as a core principle in doing business is exemplary."

As chairman of Interface Inc., an Atlanta-based global manufacturer of carpeting and textiles, Anderson has been championing the green movement from the inside. His goal: to be the first company to achieve sustainability, followed by a move toward becoming restorative. Put another way, he wants to transform his manufacturing facilities into a fully recyclable environment using renewable resources and producing benign

emissions before evolving into a company that returns more to the earth than it takes. As the number one manufacturer of modular floor coverings in the world, his dedication to these principles—and the profitability in these changes—is already having an impact within his industry.



Ray Anderson, IE 1956

The seeds of transformation from industrialist to environmentalist began to germinate six years ago. In a speech he made to fellow corporate leaders in 1998, Anderson said he felt like "a plunderer" upon learning how much of the planet's limited natural resources his company exhausted in a given year. "In the future," he ventured, "people like me will go to jail."

That may be an overstatement, but his primary message isn't: every ecosystem on the planet is in decline, and only business and industry have the size, the money, and the capacity to alter the course. Interface has been setting the example. To date, Interface has implemented dozens of new and existing technologies in its factories, all aimed at climbing what Anderson refers to as "Mount Sustainability." From utilizing solar power at his

factories, to developing recyclable fibers and producing lighter weight/better durability carpeting, Interface's improvements have drawn raves. Even in uncertain economic times, the company's stock runs against convention, almost tripling in value since last summer. National magazines have dubbed Anderson "The Green CEO."

Still, Anderson sees his company as having achieved only 25 percent of its goal. And while becoming more resource-efficient represents a sizable savings both ecologically and financially, he readily admits these changes are tantamount to plucking the low-hanging fruit.

"So far it's been easy," he said. "The hard part is still ahead—and it will take technology that hasn't been invented yet."

Anderson's demand for new, sustainable technologies is evident in his commitment toward its continuing research. During The Campaign for Georgia Tech, he funded the Anderson-Interface Chair in Natural Systems in ISyE. He is also a member of the Georgia Tech Advisory Board and an emeritus member of the ISyE Alumni Advisory Board.

The Mitchell Award, which comes with a \$100,000 cash grant, was created out of concern for the long-term implications of population growth, resource depletion, and environmental deterioration. In his pronouncement, National Academy of Sciences President Bruce Alberts said of Anderson that "no corporate leader in the United States has done more to set an example that moves us into the world of the future, where new models of operating sustainability must become the standard."

ISyE Assistant Professor Set to Launch with Space Shuttle

Things are looking up for ISyE assistant professor Michael J. Massimino. Way up.



Michael J. Massimino

Massimino is on leave from his teaching and research responsibilities while preparing for his November 19, 2001, launch on the Space Shuttle Columbia. As Mission Specialist #4, he'll join Mission Commander Scott Altman and crew on an operation to upgrade and service the Hubble Space Telescope. The crew will take off and land at Kennedy Space Center in Florida.

Massimino came to Georgia Tech in 1995 to teach human-machine systems engineering classes and conduct research on human-machine interfaces for space and aircraft systems in the Center for Human-Machine Systems Research. He was selected by NASA as an astronaut candidate in 1996.

A former systems engineer with IBM, Massimino received his Ph.D. in mechanical engineering from MIT in 1992. During graduate school, he worked with NASA in several research capacities. He was later employed by McDonnell Douglas Aerospace in Houston.

Professor Lee's Research Hits the International Spotlight

Dr. Eva Lee, ISyE assistant professor, attracted a lot of attention with her presentation on prostate cancer research, *Mathematics in Medicine*, at the annual meeting of the American Association for the Advancement of Science in San Francisco in February. Some of that attention was international.

Dr. Lee spoke about a powerful new therapy for prostate cancer. The technique allows doctors to place radioactive seeds around the prostate with much greater accuracy than before so that lower, individually tailored doses can be given. More radiation is delivered directly to the tumor and less to the healthy tissue, resulting in more effective treatment and fewer side effects.

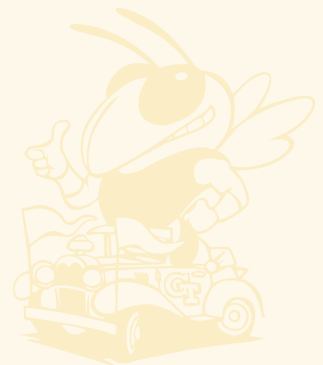
News of her announcement to the prestigious organization was published internationally, including articles in *The New York Times* and the *London Times*, and she was featured in several medical magazines and newspapers.

Dr. Lee was recently awarded a significant Whitaker Foundation Biomedical Grant for her continued work in this field, the first such award ever given to an industrial engineer.



Homecoming is Coming!

This year, the Jackets face the North Carolina State Wolfpack on Saturday, October 20. The traditional ISyE Oyster Roast and Alumni Awards Assembly will be held Thursday, October 18. For more information about ISyE events, contact Ruth Gregory at **404.385.2627**. Check the Alumni Association web page (<http://gtalumni.org/>) for campus-wide information.



Terri Prokopek Named Director of EMIL

Terri Prokopek is the new director of Georgia Tech's Executive Masters in International Logistics (EMIL) program.



Terry Prokopek

gram. Ms. Prokopek has more than 11 years experience in logistics strategy development, supply chain modeling, decision support software implementation, and change management. She is a former senior manager of CAPS Logistics and was responsible for network optimization tool development for Coca-Cola worldwide.

In 1994, Ms. Prokopek joined Coca-Cola Beverages in Toronto, Canada, as the director of New Business Strategies. During her tenure there, she developed and implemented key supply chain initiatives, such as the reorganization of 600 sales and distribution territories across Canada and flexible distribution initiatives. Most recently, she co-founded Lighthouse Consulting, a company specializing in supply chain initiative implementations. She received a bachelor of science in mathematics from Illinois Wesleyan University in 1989 and a master of science in operations research from Georgia Tech in 1990.

Diane Kollar Named Director of Development

Diane Kollar has joined ISyE as the director of Development. She assumes the duties of Raymond Reynolds, who is now director of



Diane Kollar

Development for the College of Engineering. Raymond's new responsibilities include the development programs of each of the nine schools within the College, as well as the Georgia Tech Regional Engineering Program.

Diane comes to ISyE from Central Development, where she most recently served as associate director for Corporate Relations. A 15-year veteran fundraiser, Diane also has worked at The Carter Center and the Atlanta Speech School. She has the advantage of already knowing and working with many ISyE Advisory Board members and faculty from her previous position. Her main task now is to sustain the momentum that was generated during The Campaign for Georgia Tech.

Diane can be reached at diane.kollar@isye.gatech.edu, or at **404.894.7014**. Her assistant is Ruth Gregory, **404.385.2627** or ruth.gregory@isye.gatech.edu. Ruth has recently joined Georgia Tech from Siemens Electronic Assembly Systems.

ISyE Welcomes New Faculty

Alan L. Erera has joined the faculty as an assistant professor in logistics. Dr. Erera comes to Georgia Tech from the University of California, Berkeley, where he recently completed his Ph.D. in industrial engineering and operations research. He also earned his master's at UC, Berkeley; his bachelor's degree in civil engineering and operations research is from Princeton University.

Dr. Erera's research interests include logistics systems design and control, transportation system modeling and analysis, and highway traffic flow and network control. He was recipient of the Dwight David Eisenhower Fellowship for Graduate Study in Transportation and the Berkeley Fellowship for Graduate Study. He has industrial experience with ALK Associates, where he worked as a programmer/analyst and consultant.

Dr. Erera is a member of the Institute of Transportation Studies, the Institute for Operations Research and Management Sciences, and the Institute for Transportation Engineers. He has co-authored numerous papers and journal articles.

Özlem Ergun has joined the faculty as an assistant professor in optimization. Dr. Ergun recently completed her Ph.D. in operations research from the Massachusetts Institute of Technology. She also holds a B.S. in operations research and industrial engineering from Cornell University. Dr. Ergun's thesis was titled *New Local Search Heuristics Based on Exponentially Large Neighborhoods*, and her research focuses on new, very large scale neighborhood (VLSN) search techniques for solving sequencing and scheduling problems. She has taught at both MIT and Cornell, and has worked as a

researcher with Logistic Information Systems, American Power Conversion Corporation, and Kraft General Foods. Dr. Ergun received a UPS Fellowship from the Center for Transportation from MIT and an International Student Scholarship to Cornell. She was active in the student chapter of INFORMS at MIT.

Julie A. Jacko has joined the faculty as associate professor in human machine systems. She comes to ISyE from the Department of Industrial Engineering at the University of Wisconsin-Madison. Dr. Jacko's research activities focus on human-computer interaction, human aspects of computing, and universal access to electronic technologies. She has received a National Science Foundation CAREER Award, as well as the National Science Foundation's Presidential Early Career Award for Scientists and Engineers, the highest honor bestowed on young scientists and engineers by the federal government.

Dr. Jacko is on the editorial board of the *International Journal of Human-Computer Interaction and Universal Access in the Information Society*. In addition, she is co-editor of *The Handbook for Human-Computer Interaction*, which will be published by Lawrence Erlbaum & Associates in 2002. Dr. Jacko received her BS, MS, and Ph.D. (1993) in Industrial Engineering from Purdue University. She is the author or co-author of more than 60 research publications.

Seong-Hee Kim has joined the faculty as an assistant professor in simulation. Dr. Kim recently received her MS and Ph.D. degrees in industrial engineering and management sciences from Northwestern University. She also holds a BS in industrial management from the Korea Advanced Institute of Science and Technology in South Korea. Her thesis was titled *Highly Efficient Selection Procedures for*

Stochastic Simulation. Dr. Kim taught and performed research at Northwestern and has given several presentations on simulation.

Francois Sainfort has joined the faculty as an assistant professor in health systems. Dr. Sainfort is a graduate of Ecole Central Paris. His research focuses on the development of better analysis tools to facilitate decision making, including the integration of quantitative aspects (economic factors), and qualitative aspects (human and organizational factors). He is developing the underlying theories of these methods and designing technologies to successfully implement the methods in real organizational settings.

Dr. Sainfort has been awarded the Joseph Orlicky Award for the Best Innovation in Manufacturing and Services Operations by the Production and Operations Management Society; the Stoelting Award in Management of Technology; and competitive doctoral fellowships from Entraide Universitaire Mondiale du Canada and the Ministry of National Education in France.

Amy Ward has joined the faculty as an assistant professor in stochastics. Dr. Ward recently received her Ph.D. in management science and engineering from Stanford University. She also holds an MS in engineering-economic systems and operations research from Stanford and a BA in mathematics from Claremont McKenna College. Her thesis was titled *Modeling and Analysis of Deadline-Sensitive Queuing Systems: Applications to Communications Networks, Call Centers and Manufacturing*.

Dr. Ward has taught at both Stanford and Claremont McKenna College, and her teaching interests include probability and stochastic processes, simulation and performance analysis, operations management, statistics, information systems, and financial engineering. She has

also performed research at the University of Wisconsin, AT&T Labs in several locations, and DEC Western Research Labs. She was the recipient of the AT&T Bell Labs GRPW fellowship.

White Named Georgia Freight Bureau Chair

Dr. Chelsea C. (Chip) White III joins ISyE as Georgia Freight Bureau Chaired Professor in Transportation and Logistics. With an extensive background in transportation and logistics, Dr. White is an outstanding addition to the ISyE faculty. Most recently, he served as professor and director of the Intelligent Transportation Systems organization at the University of Michigan.

Professor White teaches courses on the modeling and analysis of sequential decision making problems under uncertainty and risk. His research includes stochastic optimization and the integration of formal reasoning techniques and concepts in artificial intelligence for problem solving with application to transportation, health care, military decision making, and strategic planning.

He is editor-in-chief of the *ITS Journal* and editor of the *IEEE Transactions on Systems, Man and Cybernetics, Part A*. He is past president of the IEEE Systems, Man, and Cybernetics (SMC) Society; president-elect of the ITS Michigan Board of Directors; a member of the ITS World Congress Board of Directors; and a member of the ITS America Coordinating Council. He is a fellow of the IEEE, director of the ITS Research Center, co-director of the Sloan Trucking Project, and director of the EECS ITS Laboratory.

Campaign Gift Keeps Computing Lab Updated

The IE students of the future will always have access to the latest computing technology, thanks to Evelyn and Dexter Allen, IE 1955. The Allens' generous commitment to The Campaign for Georgia Tech came in the Campaign's final hours in December, establishing an endowment that will allow for equipment to be routinely upgraded or replaced as needed to maintain a state-of-the-art laboratory.



Evelyn and Dexter Allen, IE 1955

The Allen Davidson Coleman Computing Lab will add significant value to the IE education experience, both in the classroom and with the industrial design curricula. This translates into better prepared students who are of higher value to employers. The endowment also funds space so students can access equipment outside of the classroom.

Current IE students are excited by the commitment, as evidenced by the rousing ovation they gave the Allens

when the gift was announced at the ISyE Campaign celebration. "The lab provides me a great opportunity to research companies and look for job openings," said Gabriel Willis, ISyE Class of 2002. "It helps me with my classes...and serves as the ideal place to complete assignments successfully. I am thankful to be an ISyE student where great alumni such as the Allens make generous donations that help make my education easier and more worthwhile."

Although they now live in California, where Dexter is retired from Cisco, both Dexter and Evelyn Allen come from Georgia Tech families. Evelyn's father was Mac Davidson, CE 1934. His passion for the Institute obviously left an impression on her, because she told the celebration crowd that as a young child, she learned the words to the "Ramblin' Wreck" fight song just after she learned those to "Jesus Loves Me." Dexter's uncle, Paul "Skeet" Coleman, CE 1911, is also an alumnus. Dexter's passion for lifelong learning has made him a regular School volunteer and an accomplished golfer.



William George to Sponsor \$1 Million Health Systems Professorship

William W. George, BIE 1964, chairman of Medtronic, Inc., plans to establish a \$1 million endowment to support the William W. George Professorship in Health Systems. This



William W. George, BIE 1964

endowed professorship will allow ISyE to hire a full-time faculty member who will be responsible for advancing the health system's graduate program and guiding the program's future. But the gift has strings attached.

In order to receive the full sum of George's pledge, Georgia Tech and ISyE must raise an additional \$750,000 to complete funding for a second faculty position within health systems. That position was partially funded during Tech's recent capital campaign.

"Georgia Tech has played a key and formative role in my professional education and career," George said. "It is a source of great satisfaction to

continued on next page

The Campaign for Georgia Tech: The Totals Are In

The Campaign for Georgia Tech is over, but its effects will be long remembered throughout the ISyE School. Thanks to our dedicated alumni and friends, we raised more than \$31 million, or \$6 million more than our \$25 million goal, from a total of 592 donors.

Among the highlights:

- Eight new endowed faculty commitments, including Georgia Tech's first-ever Chair's Chair
- Three endowed professorships
- Three junior faculty chairs
- Eight "endowed" and several more "term" graduate fellowships
- Fifteen endowed undergraduate scholarships, including four President's Scholarships
- Thirty-two unrestricted endowment funds
- Numerous significant programmatic funds for global logistics, virtual manufacturing, undergraduate computing, simulation lab support, entrepreneurship, and even oysters for the annual Alumni Assembly!

For a more detailed look at the numbers and a complete donor list, please visit our website at:
www.isye.gatech.edu/campaign

Much of the credit for this success goes to our dedicated Executive Committee members, who spent five years pounding the pavement and the boardrooms for our cause. Special thanks go to:

Ray C. Anderson, Committee Chair, Chairman and CEO, Interface Inc.

Carey H. Brown, Chair of Major Gifts, Partner, The Benefit Company

Thomas H. "Tom" Johnson

President and CEO
Chesapeake Corporation

Wayne Luke

Managing Partner, Heidrick & Struggles

Gordon Palmer

Group Executive (retired)
Litton Industrial Automation Systems

L. Terrell Sovey Jr.

President, MAS Inc.

Freddie Wood

Vice President Strategic Planning (retired),
Kurt Salmon Associates

It's the Real Thing

Expect to see a little more Coca-Cola around the halls of ISyE. Specifically, two Coca-Cola Professorships and two Coca-Cola Young Faculty Fellowships.

The Coca-Cola Company's generous endowment of \$1.2 million was established during the Centennial Campaign to fund The Coca-Cola Chair in ISyE (now held by Ellis Johnson). More than a decade later, this amount has grown to more than \$4 million, thanks to a healthy economy and a sound investment strategy. After consultation with The Coca-Cola Company, the School decided that the best use of these extra funds is to establish endowments for professorships and young faculty fellowships, two areas of critical importance to the ISyE program today.

William George to Sponsor \$1 Million
continued from page 8

be able to provide the School with the support it so richly deserves. I hope my gift and the challenge I have attached to it will stimulate other philanthropic gifts and help Georgia Tech complete its funding for another faculty position."

ISyE's health systems program has produced more than 600 alumni, including healthcare CEOs, physicians, college presidents, and the commissioner of the Georgia Department of Human Resources. The health systems program trains graduates to apply engineering principles to improve the organization and delivery of health care in the United States.

"Current advances in information and biomedical technologies will completely reshape the way health care is being delivered in the United States," said François Sainfort, professor of industrial and systems engineering and director of the health systems program. "This endowment will allow our existing program to grow and prepare graduates to lead the development of the healthcare system of the future."

George received his BIE with high honors from Georgia Tech and his MBA with high distinction from Harvard University. He joined Medtronic, the world's leading medical technology company, in 1989 as president and chief operating officer, was elected chief executive officer in 1991, and became chairman of the board in 1996.

Under George's leadership, Medtronic grew from a \$1 billion pacemaker company into the world's leading medical company with revenues of \$5.5 billion and a \$58 billion capitalization.

Dr. Leon McGinnis Named to Gwaltney Chair

Dr. Leon McGinnis has been named to the Eugene C. Gwaltney Jr. Chair in Manufacturing Systems. Dr. McGinnis is the founding director of the Keck Virtual Factory Lab and also serves as associate director of the Manufacturing Research Center. He received his BSIE from Auburn University and his MSIE and PhD from North Carolina State University.

Dr. McGinnis has been a leader in developing and administering industry-focused and interdisciplinary education and research programs at Georgia Tech. He helped establish the Material Handling Research Center in 1982 and managed one of five research programs over the next decade. He also helped establish the Computer Integrated Manufacturing Systems Program in 1983, which received a LEAD Award from ASME for excellence in graduate-level interdisciplinary manufacturing education, and served as director from 1988 to 1998. Since 1994, he has led a team of ISyE faculty to win more than \$2 million in grants to create the Keck Virtual Factory Lab as a focal point for IE systems design and control research.

Dr. McGinnis enjoys teaching students how to think like industrial engineers, particularly in developing and using mathematical and computational models to support design of facilities and control systems. His research focuses on fundamental representation issues in facility and control system design, on performance assessment models, and on the development of integrated computational tools for facility and control system design. The Institute of Industrial Engineers has recognized Dr.

McGinnis with the Outstanding Publication Award, the David F Baker Distinguished Research Award, and the Fellow Award.

The Gwaltney Chair in Manufacturing Systems honors the late Eugene C. Gwaltney Jr., ME 1940. Mr. Gwaltney served as chairman and chief executive officer of Russell Corporation and was an active member of the Georgia Tech family.

John Weitnauer Receives Prestigious Alumni Distinguished Service Award

John H. Weitnauer Jr., BIE 1949, has been honored with the 2000 Joseph Mayo Pettit Alumni Distinguished Service Award. The Award is given in recognition of his leadership, generosity, and outstanding contributions to Georgia Tech and the community.



John H. Weitnauer Jr., BIE 1949

Weitnauer is a past president of the Georgia Tech Foundation and served as corporate vice chairman of The Campaign for Georgia Tech, the largest and most successful campaign in the Institute's history.

He entered the Institute in 1943 but joined the Army Air Corps the following year. He returned to Tech after World War II and received an industrial engineering degree in 1949. After working for a Thomasville, Ga., firm, and later for Fulton Bag and Cotton Mills in Atlanta, Weitnauer began a 30-year career with Rich's. He was named president of Richway, Rich's discount division, in 1970 and chairman and CEO in 1980. He retired in 1987.

Weitnauer served as interim chairman, CEO, and president of the John H. Harland Co. in 1998; director of the Federal Reserve Bank of Atlanta from 1980 to 1986; chairman of the metropolitan chapter of the American Red Cross; and general campaign chair of the United Way of Metropolitan Atlanta. He is on the board of Columbia Theological Seminary and is a Decatur Presbyterian Church elder.

In 1994, he was inducted into the Georgia Tech Engineering Hall of Fame and named to the Industrial System and Engineering Academy of Distinguished Alumni.

Director of National Economic Council *continued from page 15*

Dr. Lindsey is the author of several books, including *The Growth Experiment: How the New Tax Policy is Transforming the U.S. Economy* (Basic Books, New York, 1990) and *Economic Puppetmasters: Lessons from the Halls of Power* (AEI Press, Washington, D.C., 1999), and has contributed numerous articles to professional publications. He has received national recognition for his economic expertise.

For more information on the Tennenbaum Lecture, please contact Ruth Gregory at **404.385.2627**.

The New ISyE Complex: An Idea Whose Time Has Come

Despite its world-class stature as the No. 1 industrial engineering program in the country, the ISyE School is desperately in need of upgraded facilities.

Luckily, we can see the light at the end of the tunnel. The

DuPree College of Management will move to new digs at Technology Square on Fifth Street in 2003, giving ISyE the opportunity to consolidate its functions and expand into a new building,

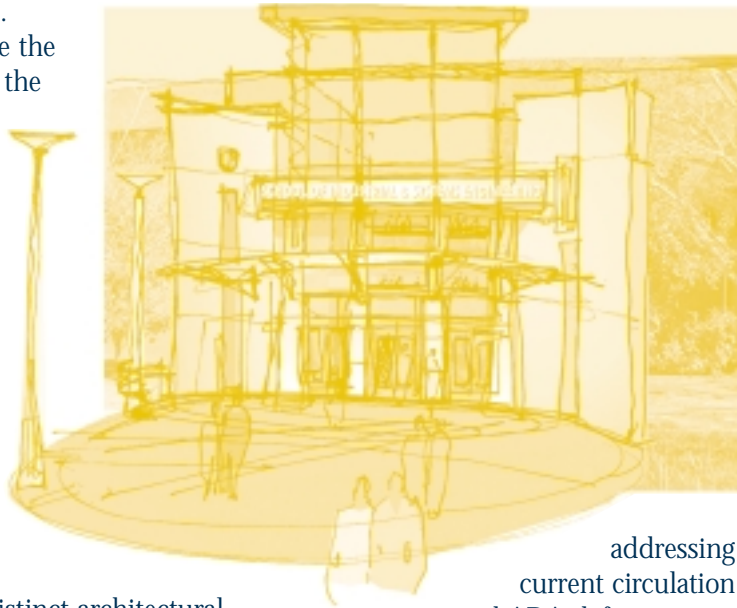
creating an ISyE Complex with a distinct architectural identity in line with Georgia Tech's Campus Master Plan.

Today, the ISyE school is crowded, with various program functions scattered in seven locations across campus. Workspace for graduate students is inadequate, and the School does not have the flexibility it needs to accommodate the changing needs of research facilities and classrooms. Much has changed since the building was designed in 1983, including increased numbers of students and faculty.

The School has also shifted its focus from analysis and design of manufacturing and service systems to looking at complex systems and optimizing their performance. This means a growing need for more sophisticated computer systems and

equipment. At the same time, we are reaching out with more executive programs and placing greater emphasis on industry partners in research. All of this growth means our infrastructure is being tested, especially the power, cabling, and HVAC systems.

Proposed plans call for a new atrium to connect Groseclose and the vacated management building, which will create a visually appealing focus and common gathering space while



addressing current circulation and ADA deficiencies.

The School will continue to utilize space in the Instructional Center, although that space is under the control of the Institute and we can only address infrastructure issues related to our curriculum. While no final decisions about construction have been made, it is estimated the project will cost \$22 million. This includes:

Groseclose Building:

- Keep the existing building concept with minimal renovation for necessary improvements
- Add a network closet to each floor
- Renovate each floor to create an opening to the atrium
- Relocate/increase size of the main server room
- Remove the existing connector
- Renovate the administrative suite

- Add a receiving area on the north side of the first floor

Management Building:

- Add bathrooms on each floor adjacent to the new connector
- Create three faculty suites each on the third and fourth floors
- Renovate administrative areas
- Add a network closet to each floor
- Renovate each floor to create an opening to the atrium

Instructional Center:

- Systems/infrastructure improvements and A-V upgrades to meet ISyE requirements

Our biggest challenges are two-fold: 1) making sure the College of Management moves on schedule and 2) finding \$22 million in funds.

Stay tuned; we will keep you posted!



EMIL Advisory Board Members

Charles C. Barrentine

Eastman Kodak

Adrian Beesley

BAX Global

Paul Bender

Synquest

Tim Brown, BS, MSCI 1985

IBM

Nathan Claridy

Motorola, Inc.

William Conley Jr.

FedEx Global Logistics

Brynn Conover, BIE 1987

Logistics Edge, Inc.

Harvey Donaldson

Georgia Tech / TLI

Dan Flowers

UPS Logistics

Phillip Gee, BIE 1981

R.J. Reynolds Tobacco Co.

Gordan Gilstrap

Hewlett-Packard

Mike Herringshaw

FedEx Global Logistics

Bill Horrocks

Ryder Integrated Logistics

Yvonne Kanelas

FedEx Global Logistics

Jim Kellso

Intel Corporation

Jeff Landre

Hewlett-Packard

Craig Long

Milliken & Company

Teddy Puttgen

Georgia Tech / Georgia Tech Lorraine

Michael Palmer, IE 1982

Dell

Maria Rey

Logistics Thinking, LLC

Richard Sharpe, MS 1980

Competitive Logistics

Ed Smith

Agilent Technologies

Frank Taylor

Ford Motor Company

Steve Wunning

Caterpillar, Inc.

Don Ratliff Launches Second Logistics Company

In the last year, Don Ratliff has shepherded his fledgling logistics company, Velant Inc., through a successful bid for venture capital, grown his staff to 50, and moved from 2,000 square feet of space at Georgia Tech's Advanced Technology Development Center to a 22,000-square-foot office in the northwest corner of the city.

The 57-year-old logistics expert was founder of another successful logistics company, CAPS Logistics, started in 1979 with retiring ISyE Chair John Jarvis and sold in 1998 to Netherlands-based Baan Co. for about \$70 million. "One of the things you gain from doing research for 30

years is a perspective on what will and will not work in the industry," Ratliff says. In addition to his entrepreneurial dealings, Regents' Professor Ratliff is executive director of The Logistics Institute and holder of the UPS Chair in ISyE.

The majority of Velant's 50-person staff is young, and more than half are Tech grads. Chief Technology Officer Bill Nulty holds ISyE master's and doctoral degrees from Tech, and the rest of the staff includes four doctoral graduates, 20 master's degree holders, and a number with bachelor's degrees from Tech.

"Logistics involves two big areas—transportation and inventory. Together they account for a trillion dollars in costs in the United States every year. Logistics is mostly the function through which you try to make the process of moving and storing all of this stuff efficient," Ratliff

says. "The physical thing is the supply chain, all those components involved in getting the product from raw materials to the ultimate customer. Logistics is the set of processes that makes that possible."

The majority of the cost of logistics is spent moving stuff around—about \$600 million of that \$1 trillion total. Ratliff credits his affiliation with Tech for some of his success. "Tech makes it easy to be an entrepreneur. The Institute allows you to take the time you need to devote to the business and provides the resources to help you succeed," Ratliff says. "When we moved out of ATDC to these offices, Tech encouraged that to happen. Tech prides itself on the successes of its students, graduates, and faculty."

EMIL's First Year is an International Success

Starting a new degree program within a university is always a challenge. But a new program with coursework on three continents and faculty and students from around the world?

That's exactly what ISyE has done with its new Executive Master's in International Logistics (EMIL) program. Despite the logistics of housing, feeding, and teaching students in three countries, EMIL has come through its first year with flying colors, according to director Terri Prokopek.

"We're receiving overwhelming support from the class in terms of feedback," says Prokopek. "One privately held company was so impressed with the first two people it sent that it wants to send eight more, and it is restructuring the organization to have a supply chain organization." In fact, Prokopek hasn't heard one negative. For that, she credits a strong advisory committee (see list, page 12), made up of the very corporations who are enrolling students in the program.

The biggest challenge facing the program in its early years is logistics. While the faculty and executive director John Vande Vate focus on supply chains and international trade, Prokopek and the class program director have to book hotels, arrange meals and transportation, and deal with the day-to-day personal needs of 26 students, many of whom are in a foreign land. This is particularly tricky in Europe, where students travel to several countries during the two-week residence. Residences are held in Atlanta, Metz (France), and Singapore.

But it's getting easier, says Prokopek, and besides, the class has been coop-

erative. "The makeup of the class is really surprising," says Prokopek. "Our minimum for acceptance is five years experience, but the average in this first class is 16 years. Half are directors or higher in their organization—all folks that have responsibility for a healthy piece of their business.

"More than 25 percent of them have already been promoted," she continues. "These are the folks being groomed to lead, and they understand that the supply chain is something important. Our training is in line with what they need."

While this first class won't complete the program until the spring of 2002, a new class is set to begin this fall. Prokopek does not anticipate too many changes from last year, especially in the academic end of the program. "The whole thing was very well thought out before we hit the ground," she says. However, "each program is going to be tailored to the industry at that time. As there are breakthroughs or shifts, there will be different speakers and content."

When significant change does come, it will only enhance the program. "There are things we want to add as we get stronger," Prokopek says, "including a Latin American residence and a technology lab so that students can get experience with tools used in industry."

Meanwhile, EMIL staff are learning that no matter how experienced and professional its students are, some things never change. By the end of its first residence last fall, the class had created its own fight song and even gave out awards at the closing dinner.



EXECUTIVE MASTERS
INTERNATIONAL LOGISTICS

Georgia Tech IE Starting Salaries

Spring 2001

Degree	Average	High	Low
B.S.	\$49,000	\$79,000	\$13,000
M.S.	\$67,000	\$72,000	\$60,000
Ph.D.	\$90,000	\$90,000	\$90,000

George L. Anton, IE 1949, MSIE 1952, has been reelected chairman of the board of TechnoBrands Inc., a media marketing, catalog, and e-commerce Internet firm in Harrisburg, Pennsylvania.

Philip S. Armstrong Jr., IE 1965, has been promoted to district manager of Trane's newly consolidated Middle and East Tennessee districts. He is based in Nashville, Tennessee.

Dean Athanassiades, IE 1979, has rejoined Hewlett-Packard Company in Atlanta as a business development manager.

Brynn Runkle Conover, IE 1987, of Atlanta, recently founded Logistics Edge with partner Henrik Danford-Klein. The company provides fast, flexible, and easy-to-use transportation planning and customer service software.

Anil K. Daryana, MSIE 1990, is director of marketing for Kunhar Peripherals Pvt. Ltd., in Wadala, Bombay, India, where he creates processes to better implement customer services. Kunhar distributes computer parts, computers, and accessories. Daryana directs a team of five sales executives and helps the company establish new outlets across the country.

Richard Belden, IE 1982, has been named president and chief operating officer of Dominion Semiconductor in Manassas, Virginia. Belden was previously vice president and chief financial officer.

Christie Green, IE 1999, married Tom Roda, CE 1999, on September 2, 2000, in Orlando, Florida.

Arthur Griffin, IE 1954, has begun a second career as a Christmas tree grower. His Yellow Mountain Farms is located in Minneapolis, North Carolina. Griffin was a manufacturer's representative for Business Am for 30 years.

Tammy Banks Griffin, IE 1982, a consultant with Goody Products, has been named 2001 Engineer of the Year in Industry by the Georgia Society of Professional Engineers. Griffin is a past president of the Clayton-Henry-Fayette chapter of the engineering society.

Paul Hart, IE 1993, has been promoted to quality engineer with Earthgrains Company in St. Louis, Missouri. Hart was previously based in Rome, Georgia.

Dr. Diego Klabjan, Ph.D. 1999, received a first place prize for his dissertation from the Transportation Section of INFORMS. Klabjan did his work under Dr. George Nemhauser. He is now on the faculty at the University of Illinois.

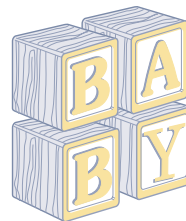
Dr. James G. Knight, MSIE 1971, just completed a two-year term as president of the medical staff and is currently serving as chairman of the board of Martha Jefferson Hospital in Charlottesville, Virginia.

Cosme Ottati, IE 1965, has retired from the Cia. Azucarera Valdez (the Valdez Sugar Mill) in Guayaquil, Ecuador, after 28 years. His new job is serving his community full time.

Charles L. Owen Jr., IE 1990, has been named director of the UAW-Ford Physical Therapy Rehabilitation Center at the Ford Motor Company Atlanta Assembly Plant. Mr. Owen received his M.S. degree in physical therapy in 1997 and was with The Hughston Clinic in Columbus, Georgia.

James Sturgis, IE 1990, of Bradenton, Florida, has been elected the first president of Tropicana North America's multi-cultural network, which aims to set the standard for productive and effective diversity in the workplace.

Tech-Babies



Katherine Tabor Sitler, IE 1987, and **Carl Sitler**, ME 1987, announce the

birth of Gabriel Theodore Sitler on October 27, 2000. He joins his brothers, Zachary, age five, and Ryan, age three, who have given him the nickname "GT."



Deaths

Edward L. Peach, IE 1985, of Brentwood, Tennessee, died in a plane crash in January 2000. Mr. Peach, an employee of Amprite Electrical Company, leaves a wife and twin daughters.

G. David Peake, IE 1961, of Atlanta, died in December 2000. Mr. Peake was an emeritus member of the ISyE Alumni Advisory Board.

ISyE Faculty Member and CHI 2001 Conference Co-Chair Introduces Bill Gates

Dr. Julie Jacko, associate professor of ISyE, recently served as conference co-chair of the Association for Computing Machinery Conference on Human Factors in Computing Systems (CHI 2001). The conference was held the first week of April and featured Bill Gates, Microsoft chairman and chief software architect, as the opening plenary speaker. More than 3,000 people attended the conference in Seattle.



Dr. Jacko welcomes Mr. Gates to the podium for his opening plenary address.

The annual CHI conference is the leading international forum for the exchange of ideas and information about human-computer interaction (HCI). Members of the global HCI community meet at the conference to share the excitement of discovery and invention, to make and strengthen professional relationships and friendships, and to tackle real-world problems related to human-computer interaction. The theme of the conference was *Anyone. Anywhere.* Dr. Jacko's fellow co-chair was Andrew Sears of the University of Maryland-Baltimore County.

The theme of CHI 2001 reflected the growing and universal influence of technology on our lives and the concept that technology should be accessible to anyone, anywhere. Thus, over the course of the confer-

ence technical papers, expert panels, tutorials and demonstrations of new technologies were conducted on important topics such as universal access of information technologies; portable, wearable and wireless computing; internationalization; globalization and the implications of culture on the design of information technologies; and visions of HCI in the future.

In the spirit of the theme, Bill Gates began his address by recounting the various eras of personal computing. He discussed character mode interfaces of the late 1980s, indicating that it was during this time period that people "...first realized the PC would become the most important tool mankind has created to leverage our creativity." From there, he described a transition from the character mode world to the graphics interface world. Once there was enough memory, enough power, style guides, and multiple applications working together, a whole new rich generation of applications emerged.

Only six years ago, the next era began—the era of universal connectivity. He stated that the challenge upon us today is to fully integrate the richness of the Internet into our productivity environments. In the context of this challenge, Bill Gates, together with three top architects at Microsoft—Bill Hill, Eric Horvitz, and Bert Keely—revealed three new products that reflect this vision: Microsoft Reader, the Microsoft Tablet PC, and a new application called Priorities, which is part of a larger project at Microsoft Research known as the Notification Platform. A transcript of Gates' speech can be found at: <http://www.microsoft.com/bill-gates/speeches/2001/04-02chi.asp>

Director of National Economic Council to Deliver Tennenbaum Lecture

This year's Tennenbaum Lecture will be held Thursday, September 20, 2001, at 11 a.m. in the Tennenbaum Auditorium. Lawrence B. Lindsey, assistant to the President for Economic Policy and director of the National Economic Council at the White House, will speak on *The Roles of Fiscal and Monetary Policy*.

Dr. Lindsey is the former resident scholar and holder of the Arthur F. Burns Chair in Economics at the American Enterprise Institute in Washington, D.C. He was also managing director of Economic Strategies, an economic advisory service based in New York City. During late 1999 and throughout 2000 he served as chief economic advisor for George W. Bush's presidential campaign.

Dr. Lindsey served as a member of the Board of Governors of the Federal Reserve System for five years from November 1991 to February 1997. Additionally, he was chairman of the Neighborhood Reinvestment Corporation, a national public/private community redevelopment organization, from 1993 until his departure from the Federal Reserve. Prior to joining the Board, Dr. Lindsey was a special assistant to the President for Policy Development during the first Bush Administration. He is a former professor of Economics at Harvard University. Dr. Lindsey also served three years as senior staff economist for tax policy on the staff of the Council of Economic Advisers during the Reagan Administration.

continued on page 10

ALUMNI NEWS

Please take a minute to complete this form, and mail or FAX it to the School. Please send to:

Ms. Sheila Devezin
School of Industrial and Systems Engineering
Georgia Institute of Technology
765 Ferst Drive, Atlanta, GA 30332-0205
or FAX to (404) 894-2301

What has been
happening with you?
Job change?
Any recognition you
wish to share with
your classmates?

Name _____

Degree/Year _____

Home Address _____

City _____ State _____ Zip _____ Home Phone (_____) _____

Title/Company Name _____

Business Address _____

City _____ State _____ Zip _____ Business Phone (_____) _____

e-mail address _____

Your news _____



Industrial and Systems Engineering
Georgia Institute of Technology
Atlanta, Georgia 30332-0205

A Unit of the University System of Georgia

ISyE's Mission...

...is education—the creation,
assimilation, integration, and
dissemination of knowledge
involving industrial and
systems engineering.

IE Connections is published by Georgia Tech's
School of Industrial and Systems Engineering

Editor: Sarah Banick
Advisor: Ruth Gregory



T015081 © 2001 Georgia Institute of Technology
Institute Communications and Public Affairs
An equal education and employment opportunity institution

Non-Profit Organization

U.S. Postage

PAID

Permit No. 3023

Atlanta, Georgia