

Chaddick Honors ECE Leadership with Chair

Steve W. Chaddick, BEE '74 and MSEE '82, senior vice president of Systems and Technology for CIENA Corp., has made a \$2.5 million commitment to name the Electrical and Computer Engineering School Chair, a position held by Roger P. Webb.

"Roger Webb is one of those people that has been extraordinarily influential....I'd like to recognize the importance of leadership of the past and present," Mr. Chaddick said. "He's managed academic growth that has been outstanding and the quality of the students and the quality of the graduates keeps improving."

Jean-Lou Chameau, dean of the Georgia Tech College of Engineering, seconded those sentiments about Dr. Webb and expressed his appreciation for Mr. Chaddick's generosity. "This chair is very special to ECE as it does recognize the outstanding work of Dr. Webb and the close relationship he and ECE have established with Steve and CIENA," Dr. Chameau said. "In addition, a chair's chair is clearly a major asset to assure strong, long-term leadership to the School."

CIENA has a strong Georgia Tech connection by academic heritage, Mr. Chaddick said, and there's a "strong conduit between Tech and our company." Dr. Patrick H. Nettles, BPHYS '64, is chairman of the board and chief executive officer; Lawrence P. Huang, BMGT '73, is senior vice president of Corporate Development; Stephen B. Alexander, BEE '81, MSEE '82, is senior vice president and chief technology officer; and Jésus Léon, BEE '74, is senior vice president of Products and Technology.

Mr. Chaddick is aware of the growth potential in this industry, and he would like to help steer academic areas toward this industry so graduates can stay in Atlanta.

In 1997, CIENA established a research and development facility in Alpharetta, GA. CIENA is expanding this facility partly because of the Yamacraw initiative put in place by Governor Roy Barnes. Mr. Chaddick said that CIENA wants to be part of this exciting time for Georgia. "There are only a



few places in the country that have taken advantage of the economic development opportunities available and are able to partner with a high-tech institution," he said.

Atlanta's economy has traditionally been based in transportation and distribution. Now there are great possibilities for change and growth, Mr. Chaddick said. "I think the area here could rapidly be transformed into a totally different economy. Atlanta is one of the few cities that can walk the talk, putting programs and people in place that really can effect economic change.

"Ten or twenty years ago, graduates in these fields had to go to Boston or California to work, but now Atlanta is poised for incredible growth in this arena," Mr. Chaddick continued. "I want to keep things growing."

The endowed School Chair is Mr. Chaddick's most recent gift. Earlier in Georgia Tech's Capital Campaign, a gift of \$1.65 million funded a Georgia Research Alliance chair in electro-optics and also endowed several graduate fellowships. •

Steve Chaddick (l) and Roger Webb (r) shortly after announcing Mr. Chaddick's additional commitment to the School.

Chair's Corner

Capital Campaign - A Summary



Roger P. Webb
ECE Chair

*A*s the Georgia Tech's five-year capital campaign comes to closure, I have been reflecting on the effort and impact of this great undertaking.

When the campaign was initiated in 1995, an Institute-wide goal of \$400 million was established. The campaign itself was conceived as a distributed campaign, meaning that individual units of Georgia Tech were to establish goals and then be responsible for achieving them with the new resources gathered directly benefiting the units.

In ECE, we set a very ambitious goal of \$50 million. Our Associate Chair for External Affairs, Teddy Püttgen, assumed responsibility for directing our campaign and developed a two-part strategy involving alumni and industry. Suzy King Briggs and Harry Vann joined us to implement the respective alumni and industry strategies. Thanks largely to their dedicated and very professional efforts, our goals and expectations have been exceeded. The Institute overall achieved a total benefit of \$711 million, 120 percent of their established goal. Our School's achievement is commensurate with this success: at \$71 million, ECE exceeded its initial goal by \$20 million. A beneficent economy, while a contributing factor, was just an amplifying effect on the hard work and generosity of many.

The \$71 million derived is not all cash-in-hand. Some came in the form of equipment donations, some in direct support of students and faculty, some in deferred gifts. We began the campaign with seven endowed chairs in the School and ended with fourteen. Seventeen graduate fellowships were funded. Significant endowment funds came not only from individual alumni, but also from corporations. Through these permanent endowments, the future of our School has been substantially secured.

While the resources resulting from the campaign are very important to ECE, we achieved some additional benefits of an even more important and lasting nature.

Previously, there was no systematic, concerted effort to maintain engagement with our alumni. As a result of the contacts and relationships that were established throughout the campaign, this is no longer the case. We will now maintain an active engagement program with our alumni. Through the Internet, we will have ongoing email contact with our alumni. Through this same medium, we will make lifelong learning opportunities accessible through our Internet-based educational programs.

Our previous interactions with industry had been unilateral. In the course of our campaign, we have found multi-dimensional cooperative engagements to be far more satisfying and productive. We will continue to focus on developing such cooperative research and educational relationships with our industrial partners.

On a more personal note, I knew going into the campaign that my role as School Chair was going to become much more "marketing" oriented, and I was convinced that this would be something that I would not enjoy. I was right about reorientation and totally wrong about attitude. To the contrary, my extensive interactions with alumni and partnering industry have been enlightening, gratifying, and a bit humbling.

I have been enlightened by my discovery of the creative ways that alumni have utilized their common educational background: the engineering degrees earned here at ECE have produced not only some of the country's most competent engineering professionals, but also have been applied to such wide ranging fields as medicine, law, business, and entertainment. The positive attribution to that educational background by both our alumni and our partnering industries is gratifying. The pivotal role and responsibility of the faculty to maintain the integrity of the educational programs is humbling. •



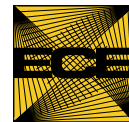
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Check out our new web site!

ECE has launched a new web site containing information about its world class students, faculty, research programs, academic programs, and much more! Send your comments and suggestions to sandra.hayes@ece.gatech.edu.

www.ece.gatech.edu



ECE Initiates Pioneer Programs in Internet Course Delivery

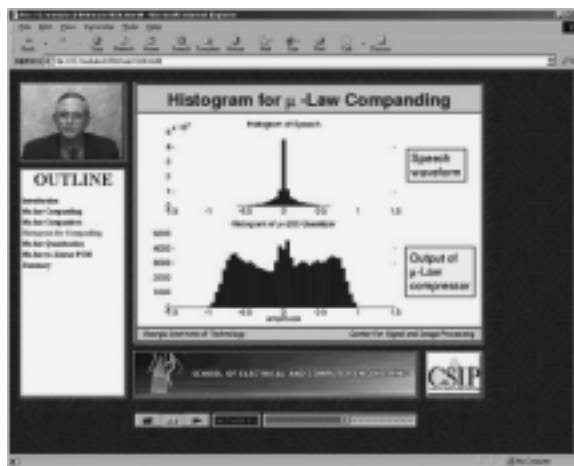
A revolution in education is taking place in the way courses are taught and in the way that they can be delivered to both local and remote students. Advances in multimedia, computer and telecommunication technology, and the rapidly expanding use of the Internet to deliver multimedia information fuel this revolution. In keeping with its tradition as one of the country's premier schools of electrical and computer engineering, ECE is on the leading edge of this revolution.

This fall, ECE, in conjunction with the Georgia Tech Center for Distance Learning, introduced one of the first on-line Master's programs in Electrical and Computer Engineering in the country. Unlike many other universities that adapt existing video footage and place it on a streaming video server, the courses offered through ECE's on-line programs have been designed specifically for the web, using state-of-the-art streaming audio and video technologies, synchronized slides, simulators, and other multimedia.

"Georgia Tech's approach to an on-line degree will be different," said Joe DiGregorio, Georgia Tech's Vice Provost for Distance Learning, Continuing Education, and Outreach. "No existing videotape will be used in the project; faculty working with instructional technologists will produce video that is designed with Internet delivery in mind. Each lecture will be recorded in a controlled studio environment where light and audio levels can be accurately maintained. The goal is to allow instructors to focus completely on the presentation of the material with little or no distraction."

ECE's pioneering efforts in Internet course delivery began in 1997, when a graduate level course in *Neural Networks* was given to students at Georgia Tech Lorraine and delivered by Internet to students in Atlanta. The students enthusiastically received this new mode of course delivery, and ECE continued to expand and refine its efforts in Internet course delivery.

In 1998, a second graduate level Internet course in *Statistical Digital Signal Processing* was offered. From its first modest efforts to bring educational curricula to students from remote sites, this course incorporated the latest technologies of Internet course delivery including streaming audio and video that was synchronized to lecture slides. The following spring, ECE added a third Internet course in *Adaptive Filtering*; this time adding the feature of a chromakey produced lecture. Chromakey is a procedure com-



Online lecture interface developed with ECE's Infusion software.

monly used to deliver weather reports on TV. ECE also introduced an on-line continuing education course, *DSP for Practicing Engineers*, and began to offer undergraduate level courses to other universities through the Georgia Tech Regional Engineering Program. The intent for all of ECE's Internet program initiatives is to deliver courses asynchronously with course materials delivered in modules. Asynchronous delivery offers great flexibility to students and professionals who may not be in sync with our academic calendar. A short modular format allows for easy repackaging of course materials into short courses or into customized courses for targeted audiences.

These online initiatives, led by Thomas P. Barnwell and Monson H. Hayes, have gained momentum as an ever-widening network of ECE faculty join in the development of on-line courses, capitalizing on the experiences and knowledge gained by the early initiatives in Internet course delivery.

As we move into the 21st century, ECE will continue to incorporate emerging technologies in Internet course delivery into its ever-expanding on-line programs. The goal of ECE's distance learning programs has moved far beyond the original effort to simply recreate the local classroom for the remote student. ECE now seeks to create a richer and more dynamic learning environment that will benefit students as well as instructors. The classroom concept has been redefined, and the repertoire of tools available to the instructor has expanded to levels that were unimaginable just a decade ago.

For more information about this and other programs sponsored by ECE, visit our new web page. •

Adkins Joins ECE Advisory Board

ADVISORY BOARD MEMBERS 2000-2001

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*Chair

The newest addition to the ECE Advisory Board is Rodney "Rod" Adkins, BEE '81, MSEE '83, vice president and general manager of the Web server division of IBM.

Based in Austin, TX, he oversees the work of the UNIX operating system environment. As the top IBM executive in Texas, Mr. Adkins also serves as IBM's state executive, representing the company's business interests politically. In 1996, he was inducted into the College of Engineering Council of Outstanding Young Engineering Alumni. •

Roger Bisher Scholarship

When Roger Bisher, IMGT '77, passed away this spring at the age of 44, the State of Georgia lost its 1999 small businessperson of the year. Furman Bisher lost a beloved son.

Roger didn't follow in the footsteps of his father, the senior sports columnist for the *Atlanta-Journal Constitution*. He made his own path—one that began with tinkering around with gadgets and causing small explosions in the garage, and later, led him to Georgia Tech where he earned a degree in industrial management. At first, Roger studied electrical engineering, but he told his father, "I already know all of that. I need to learn how to run a business," so he switched majors. His father decided to honor Roger's memory by establishing a scholarship at Georgia Tech. The Roger C. Bisher Scholarship will be awarded to a junior in electrical or mechanical engineering who demonstrates Roger's inventive spark and entrepreneurial spirit.

The switch gear power system Roger designed is used by several businesses, including the Coca-Cola Co., Ford Motor Co., and even Piedmont Hospital. This energy-saving system allows for facilities to switch to generator power when utility companies ask them to cut back during peak-use times.

Now, the Roger C. Bisher Endowment Fund has received more than 100 memorial gifts from people all over—from local family and friends to the general manager of the New York Giants.

"We've been overwhelmed by the response," Addie Mathes, Roger's business partner of 13 years and wife of 5 years, said as she began sorting through a large box of cards and letters. •

ECE Names Byers Professorships

In 1986, Kenneth G. Byers, Jr., BEE '66, MSEE '68, endowed a chair in microelectronics in ECE. Over the past 14 years, this initial endowment has grown to a level that will allow the School to support an endowed chair and three endowed professorships. These professorships provide a major incentive to retain faculty members who are leading teachers and scholars, yet who are attractive to industry and other institutions. These grants are awarded for up to five years, providing support to encourage innovation in teaching and research. The newly named Byers Professors are **Ian F. Akyildiz**, **Kevin F. Brennan**, and **James H. McClellan**.

Dr. Akyildiz's main interests are in wireless, satellite, and ATM networks, as well as next generation Internet technologies. He is a Fellow of the IEEE and the Association for Computing Machinery.

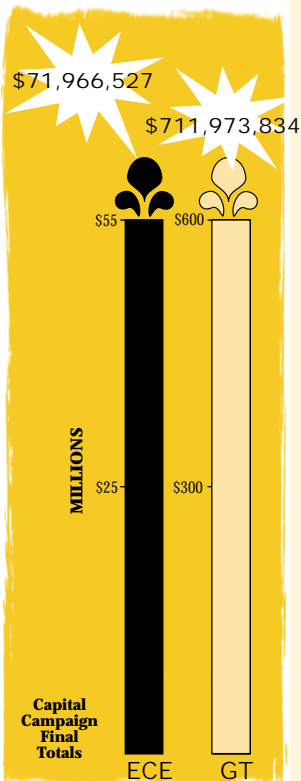
Dr. Brennan's primary area of interest is semiconductor device and materials modeling. He is a past recipient of the National Science Foundation Presidential Young Investigator Award, and he has won the Sigma Xi Faculty Research Award and Faculty Best Paper Award.

Dr. McClellan is a professor in ECE's Center for Signal and Image Processing. His primary interests are in computer technology applied to education, sensor array processing and radar signal processing, and software for digital signal processing. Dr. McClellan received two education awards in 1998—ECE Outstanding Teacher and Georgia Tech's W. Howard Ector Outstanding Teacher Award. He is an IEEE Fellow. •

ECE Wins Big with College of Engineering Awards

ECE faculty members won several College of Engineering (CoE) Awards, which were presented at the CoE annual faculty gala. Jean-Lou Chameau, the College's dean, said that the CoE faculty continue to excel and exceed expectations and that these awards are a small way to recognize outstanding performance. "This year's awards also recognize several key strategies of the College, such as innovation in education, interdisciplinary research, and faculty mentoring," Dr. Chameau said. "Clearly, ECE is paving the way in those areas since members of its faculty were the award winners or co-recipients in all three categories."

Thomas P. Barnwell, III, a professor in digital signal processing, received the CoE Excellence in



Nortel Networks Supports Students

Georgia Tech has announced a \$500,000 donation for technology studies from Nortel Networks, through the Nortel Networks Foundation. The donation will contribute to the development of the State's knowledge resources for the future by supporting approximately 200 scholarships and fellowships in the School of ECE and the College of Computing as part of the Nortel Networks Scholars Program.

Nortel Networks made the announcement at a ceremony attended by Gov. Roy Barnes and Georgia Tech President Wayne Clough, at Nortel Networks Windward Parkway campus in Alpharetta. "We are deeply committed to partnering with the State to enable Georgia to become a major global technology center through assistance in technology education and research," said Anil Khatod, Nortel Networks president, Global Internet Business Solutions.

"Our financial contribution combined with our professional expertise in optical and access networks for science and technology education will result in high-paying job creation and ensure that the State has a supply of future technology job candidates. We have already hired more than 430 graduates, coops, and interns from Georgia Tech in the past three years," he said.

"The Nortel Networks Scholars Program is an investment in Georgia's ability to fulfill technology jobs in the future—a key concern for companies that are considering locating their businesses here," said President Clough. "Nortel Networks has dedicated time and resources to Georgia Tech's technology education to help ensure that Georgia will be at the forefront of the global technology community." •

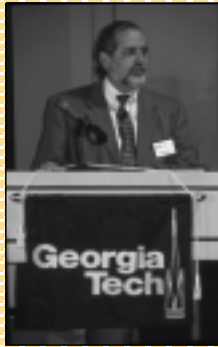
College of Engineering Awards - cont. from page 4

Education Award "for work and leadership in establishing the educational technology program in ECE and on the Georgia Tech campus."

Ronald W. Schafer, Regents' Professor and Institute Professor, and **G. Tong Zhou**, associate professor, received the CoE/SUCCEED Mentoring Award "for the Georgia Tech mentor and mentee who together have demonstrated an exemplary teaching and research partnership." Both faculty members are in the DSP group.

Mark G. Allen, with Ari Glezer of the Woodruff School of Mechanical Engineering, received a CoE Research Award "for work in the microelectromechanical systems (MEMS) area and leadership in establishing this program on campus." Dr. Allen is a professor in the microelectronics group. •

Inaugural James R. Carreker Distinguished Lecture



As a student, Jim Carreker, BEE '69, helped to launch John Peatman's Senior Seminar Series. As an alumnus and founder of Aspect Communications, Mr. Carreker has returned to campus several times over the past 30 years as a speaker in this student seminar program.

The conversion to semesters last fall caused the elimination of this program. His awareness of the importance of this kind of program led him to establish the *James R. Carreker Distinguished Lecture Series*, which took place for the first time on October 12, 2000. Gene Frantz, Texas Instruments Senior Fellow and Business Development Manager for the Digital Signal Processing Semiconductor Group, was the inaugural speaker and held a captive audience of students, alumni, and faculty in his discussion of *Engineering a Better World with DSP and Analog Technologies*.



COLLEGE OF ENGINEERING AWARDS

The College of Engineering has established three awards to honor outstanding alumni.

Engineering Hall of Fame

Membership for the highest honor that can be bestowed on College of Engineering alumni is reserved for individuals who have made sustained and meritorious engineering and/or managerial contributions during their careers.

Academy of Distinguished Engineering Alumni

Membership is reserved for individuals whose contributions to Georgia Tech, the engineering profession and field, and/or society have brought distinction to themselves and the Institute.

Council of Outstanding Young Engineering Alumni

Membership is reserved for alumni under 40 years of age who have demonstrated outstanding professional achievements.

ECE is seeking nominations for these awards. Please send names to:

Dr. Hans B. Püttgen
School of ECE
Georgia Institute of Technology
Atlanta, GA 30332-0250

Top: Gene Frantz, Texas Instruments.

Left (top): Jean-Lou Chameau, CoE dean, and Jim Carreker.



Attendees enjoy the reception following the Lecture.



Faculty News

Ali Adibi, Assistant Professor



BSEE '90, Shiraz University; MSEE '94, Georgia Tech; MS Physics '98, California Institute of Technology; PhDEE '00, California Institute of Technology
Areas: Optics and photonics and microelectronics
Prior to joining ECE, Dr. Adibi was a graduate research assistant with the Optical Information Processing Group at the California Institute of Technology. He received the 1998 New Focus Student Award from the Optical Society of America (OSA) and New Focus, Inc. for his excellent research and presentation skills and his leadership in the optics community. Dr. Adibi is a member of OSA and Sigma Xi.

Faramarz Fekri, Assistant Professor



BSEE '90, Sharif University of Technology; MSEE '93, Sharif University of Technology; PhD '00, Georgia Tech
Areas: Digital signal processing and telecommunications
Dr. Fekri was a graduate research assistant in ECE's Center for Signal and Image Processing, where he was a co-recipient of a College of Engineering Cutting Edge Research Award in the area of error control coding using finite field wavelets and turbo coding. While a student in Iran, Dr. Fekri was a nationally ranked scholar in science and engineering.

Ye (Geoffrey) Li, Associate Professor



BS '83, Nanjing Institute of Technology; MEng in wireless engineering '86, Nanjing Institute of Technology; PhDEE '94, Auburn University
Area: Telecommunications
Before coming to ECE, Dr. Li was a principal technical staff member at AT&T Labs in Red Bank, NJ, where he worked in the areas of orthogonal frequency division multiplexing

for wireless communications and spatial-temporal processing for mobile systems. Dr. Li holds six patents and is the editor for wireless communications theory for the *IEEE Transactions on Communications*. He has written two books, *Orthogonal Frequency Division Multiplexing for Wireless Communications* and *Blind Equalization and Identification*, which are scheduled to be published in the near future.

Raghupathy Sivakumar, Assistant Professor



BECS '96, Anna University; MSCS '98, University of Illinois at Urbana-Champaign; PhDCS '00, University of Illinois at Urbana-Champaign
Area: Telecommunications

Dr. Sivakumar was a graduate research assistant with the Illinois Mobile Environments Laboratory (TIMELY), where he worked in the areas of wireless networks, programmable networks, mobile computing, and congestion control. While at the University of Illinois, Dr. Sivakumar received the Mavis Memorial Award Scholarship and the Kuck Award for Outstanding Master's Thesis; he also earned top academic awards as a student in India.

Verber Retires after 14 Years of Service

Carl M. Verber retired as the Byers Eminent Scholar and professor of ECE after 14 years of service to Georgia Tech. He was honored by present and past faculty colleagues, staff, and students at a reception on April 28.

In 1986, Dr. Verber came to ECE from Battelle Memorial Institute in Columbus, OH, where he did early pioneering on two photon writing processes: holography and integrated optics. At Georgia Tech, he has led in the School's development of outstanding educational and research programs in integrated optics.

"One of Carl's greatest attributes is his ability in dealing with people," said Roger P. Webb, ECE chair. "Carl has been a leader not only in program development, but in mentoring and nurturing students and younger faculty."

Wills Receives Paris Professorship

Linda Wills, an assistant professor in computer engineering since 1996, is the first recipient of the *Demetrius T. Paris Professorship* in the School of Electrical and Computer Engineering.

This award was created by the ECE Advisory Board to commemorate the outstanding service of Dr. Paris to the School and to the Institute. The professorship provides seed monies to encourage innovation, education, and research thereby nurturing the professional advancement of the recipient.

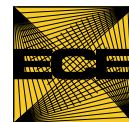
Awards and Accomplishments

Phillip E. Allen received the IEEE Circuits and Systems Society Golden Jubilee Medal.

Vincent J. Mooney, III received a National Science Foundation CAREER Award for "Hardware/Software Co-design of a Modular, Synthesizable, Real-time Operating System for System-on-a-Chip Designs."

Roger P. Webb will serve on the National Electrical Engineering Department Heads Association board of directors during 2000-01.

Guotong Zhou was presented an Excellence in Teaching Award, which was decided by a vote among Georgia Tech's women engineering students. Meritor Automotive, Inc. and Georgia Tech's Women in Engineering Program sponsored the award.



Alumni News

Thomas Hinton, BEE '72, has been named CEO of Foxcom Wireless in Vienna, VA.

Clarence V. McMillin, Jr., PE, BEE '75, recently celebrated 25 years with Square D Company. He is a senior applications engineer with the Low Voltage Motor Control Center in Seneca, SC.

Jerry Sumrell, PE, BEE '81, MSEE '86, is the director of MEP engineering for the Preston Phillips Partnership, Inc., a full service architectural and engineering firm in Atlanta. He lives in Atlanta with his wife, Jennifer, and their cat named Knucklehead.

Paul R. MacGregor, BEE '83, MSEE '84, PhDEE '89, MSTASP '90, was a candidate for the U.S. Senate representing the State of Georgia. Dr. MacGregor is President & CEO of eTiburon Corporation, an Internet company in Alpharetta, GA, providing direct Internet control and management of distributed generation technologies. He is married to Maria Basabe, MSIE '97.

Erick Charles Whindleton, MSEE '87, was married in Maui, HI on August 15, 2000 to Renee Allen. He is employed in the architecture division of Global Investment Bank as a lead database analyst specializing in Sybase and Oracle software technology. He is currently continuing his education at New York University.

Olaf Haedrich, MSECE '92, is living in Reichenbach, Germany.

Earl Barber, MSEE '93, is a design engineer with IBM in Essex Junction, VT.

Rick Hall, BCmpE '93, is area director for Global Network Technology Services in Atlanta, GA.

Johnston Awarded IEEE Fellow

Stephen L. Johnston, Sr., BEE '48, MSEE '49, recently received a prestigious award "for contributions to radar electronic counter-countermeasure through publications and compilations of radar data" from the IEEE Board of Directors. As an IEEE member for almost 60 years, Mr. Johnston is an internationally known engineer in both radar and electronic warfare. He is the author of the first professional book on radar electronic counter-countermeasures and also Millimeter Wave Radar. Mr. Johnston currently resides in Huntsville, AL, where he is editor-in-chief of the *International Radar Directory*, a compilation of technical information on current radars of the world.



Mark Doble, MSEE '94, is a senior software engineer for Hewlett-Packard E-Services in Tampa, FL, where he lives with his wife, Lianna, and son, Jack.

Duncan Sinclair, BEE '96, is with Eureka Broadband in New York, NY.

George R. Thompson, III, BEE '96, is a Project Manager for the Paper Automation Division of Neles Automation, a subsidiary of Metso Corp. and one of the world's leading suppliers of automation and control systems in the pulp and paper industry.

Daniel DeFranco, BEE '97, is an audio systems engineer in the Automotive Systems Division at Bose Corporation in Framingham, MA. He reports, "Life is good."

Chris Rake, BEE '99, is a hardware engineer with National Instruments in Austin, TX.

Sinthia Khan, MSECE '00, is an algorithm engineer at Texas Instruments in Richardson, TX. •

We **Want to Know!** Share your news with your ECE classmates and friends. Just complete this form, clip, and mail or visit our web page at www.ece.gatech.edu/alumni and tell us online.

Name _____ Degree/Year _____

Information for ECE News (recent awards, job changes, papers, patents, etc.) _____

Home Address _____

Work Address (including company name) _____

Daytime Phone _____ Email _____

Mail to Suzy Briggs or Harry Vann at School of Electrical and Computer Engineering, Georgia Institute of Technology, Atlanta, GA 30332-0250

Student News

Spring Picnic Awards and More!

Mubashir Alam, John Elmore, David Fann, Suzanne Fike, Tyson Hall, Ryan McCowan, Jaime Morales, Anh Nguyen, Mike Reid, Filip Schmole, Mustafa Turkboylari, and P. Spencer Whitehead each received an ECE Outstanding Graduate Teaching Assistant Award.

Zlatan Ceric, winner of the \$10,000 IEEE Foundation Presidents' Scholarship, is attending Georgia Tech this fall and is majoring in electrical engineering. He received the award at the Intel International Science and Engineering Fair, which was held May 9-12, in Detroit, MI. A 2000 graduate from Allen D. Nease High School in St. Augustine, FL, his project is entitled "Optimization of Gallium Arsenide Semiconductor Laser Power Output," and it was chosen from a field of 1,500 contestants.

Stephanie Ann Augsburger, Keith C. Brouse, Michael Hui, Daniel R. James, and Stacy N. Rodd each received the ECE Faculty Award, given to the students who, in the opinion of the ECE faculty, have done the most to improve the educational environment within ECE or Georgia Tech and have contributed significantly to both student welfare and student-faculty interactions.

Tico Ballagas and **Sophia Carreker** received Georgia Tech Alumni Association Student Leadership Awards for International Study.

Avalon S. Blenman, Deborah Stutz, Mary Thomas, and Frances Williams received Georgia Tech Women's Forum Scholarships.

Shannon Brenner and **Chunyan He** received Georgia Tech Faculty Women's Club Scholarships.

Adam C. Brown, Murat Guler, Tyson S. Hall, Seth D. Robinson, and Matthew J. Wellman each received an ECE Scholar Award for having the highest academic averages in their class.

Jeffrey A. Cole received the ECE Outstanding Senior Award for his excellent scholastic average and his active role in extracurricular activities.

Yuhua Ding and **Azad Naeemi** received Colonel Oscar P. Cleaver Awards for their outstanding scores on the doctoral preliminary examinations.

John Elmore received a Center for the Enhancement of Teaching and Learning/BP Amoco Outstanding Teaching Assistant Award.

Joe Haralson, II received a Sigma Xi Outstanding Doctoral Thesis Award for his dissertation entitled "Design, Analysis, and Macroscopic Modeling of High Speed Photodetectors Emphasizing the Joint Opening Effect Avalanche Photodiode and the Lateral p-I-n Photodiode."

Paul Brian Hultz, Michael Thomas Miller, William Lester Plishker, Kaushik Ravindran, and Andrew Neill Stein each received a Henry Ford II Scholar Award, which is presented to the engineering students with the best academic records at the end of the third year of undergraduate study.

Chung-Tse Mar received the ECE Outstanding Sophomore Award for the highest scholastic average in his class.

Gregory A. Martin received the Tau Beta Pi Outstanding Engineering Student Award.

Larry McDonald and **Abhishek Suthan** each received a \$500 ECE Scholarship awarded by Eta Kappa Nu.

Girish Patel received a Sigma Xi Outstanding Doctoral Thesis Award for his dissertation entitled "A Neuromorphic Architecture for Modeling Intersegmental Coordination."

Arthur J. Redfern received the 1999 Center for Signal and Image Processing Research Award.

David Stokes received the 1999 Packaging Research Center Outstanding Ph.D. Student Award.

Upcoming Events...

ECE Day March 29, 2001
 Campaign Celebration April 20, 2001

For more information, contact Harry Vann at 404.894.4025 or Suzy Briggs 404.894.5210.

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