

ON Semiconductor Provides \$1.5 Million to Support Analog Electronics Program

ON Semiconductor, formerly a division of Motorola, has provided \$1.5 million to ECE to endow the *ON Semiconductor Chair in Analog Integrated Circuit Design* and the *ON Semiconductor Graduate Fellows Program*. The intent of the gift is to strengthen the instructional and research program in Analog Electronics. Funds generated from the endowment will be used for the first five years to initiate and support two junior level faculty positions and to provide support for eight graduate students. After the initial five years, the ON Semiconductor Chair will be formally established.

The world's leading supplier of analog, logic and discrete semiconductor components, ON Semiconductor is a driving force in analog integrated circuit design, large volume production of circuits and systems, and rapid market delivery of new products requiring interdisciplinary design skills. According to Steve Hanson, President of ON Semiconductor, a severe international shortage of electrical engineers with these skills currently exists, and forecasts indicate that it will become even more severe during the next 10 years as wireless, optical communications, and other such technologies grow in market importance. "We want to continue to recruit the best and brightest of analog engineers. We hope that this gift will send a message to students of engineering that analog electronics is a critical discipline to the future of technology," Hanson said in reference to the ON Semiconductor endowment.

The shortage extends to academic recruitment as well according to Alvin Connelly, professor and vice chair in ECE. "Intense competition exists for faculty members. Currently, the industrial and academic opportunities and pressures for persons with these key design skills make it difficult to hire new faculty members unless there are special incentives. The ON Semiconductor junior professorships will enable Georgia Tech to attract the best and most qualified new analog faculty members."

According to Connelly, one of the two positions has already been successfully filled. Dr. Steve Kenney will be the first ON Semiconductor Junior Professor and will join the faculty in January 2000.



The second junior position will be filled in 2001 and the permanent ON Semiconductor Chair will be filled in 2005.

According to Roger Webb, ECE chair, the ON Semiconductor gift will greatly enhance the already strong instruction and research program in analog circuit design in the School. The gift, which grew out of a relationship of more than five years between ON Semiconductor and the ECE Analog Consortium, will enable Tech to achieve a preeminent position in this increasingly important area. Further, the ON Semiconductor gift is entirely consistent with and supportive of a major economic development program of the State of Georgia called the Yamacraw Mission. The Yamacraw Mission is focused on creating jobs in Georgia in the area of high-bandwidth communications, and funding research and creating new faculty positions at Georgia Tech is a central thrust of the program. Yamacraw will provide significant leverage for the ON Semiconductor supported faculty. ●

Surrounding the ceremonial check (l-r): Joe Neel, director, Planning and Strategy Technology Department, ON Semiconductor; Alvin Connelly, associate chair and professor, ECE; Roger Webb, ECE chair; Bola Aromolaran, director, Global New Product and Technology; and Phillip Allen, professor, ECE.

Chair's Corner

The Profession of Engineering



Roger P. Webb
ECE Chair

We are all aware of the existence of the rich and continuously vigorous culture of profession-specific humor. The genre is dominated by legal-profession-associated humor, perhaps appropriately so, it being the second oldest profession and widely perceived as having largely adopted the ethical standards of the first.

My perception is, after being noticeably absent historically, inclusion of the engineering profession in this venue is increasing significantly. One sample has various professionals in a queue awaiting execution. First came the lawyer. The mechanism failed to function, whereupon the lawyer mounted a vigorous and successful argument based on double jeopardy and was set free. Second came the cleric. The guillotine again failed to descend. The executioner decreed that such a significant sign from heaven, being tantamount to absolution, required that the cleric also be freed. Next came the engineer, who, upon approaching the block, examined the mechanism and said to the executioner "I think I see your problem." Typically, the engineer in this tale is characterized as being a single-minded problem solver.

Point one is that such characterization is not so bad. Point two, a far more important one, is simply the inclusion as an indication of increasing awareness of the profession in the broader context. From the early days of the electrical engineering profession when the public perception related more to "genius tinkerers," to the space age where positive media attribution was to "scientists" and negative attribution to "technicians/engineers," professional identification has been problematical. Any improvement in this regard, even in the context of professional humor, is desirable and should be encouraged. More importantly, imparting a sense of profession and professionalism should be one major objective of electrical and computer engineering education.

In ECE at Georgia Tech, "profession" is a major objective of our program. We address this objective in the following ways:

1. Assessing continuously and rigorously our own degree-specific courses
2. Requiring that some twenty percent of our course requirements be in the social sciences and humanities
3. Increasing ECE's interaction with faculty delivering non-degree-specific subjects to ensure that those courses integrate engineering issues
4. Requiring that our undergraduate and graduate curricula incorporate specific courses in ethics, societal context issues, and professional communication skills
5. Implementing our curricula by faculty who are intensely proud of the profession and the role we play in it. •

Georgia Tech to Build "Future Truck"

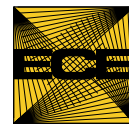
A team of Georgia Tech undergraduate students from Electrical and Computer Engineering, Mechanical Engineering, and other departments has been selected by the U.S. Department of Engineering to participate in "FutureTruck 2000." The GT FutureTruck 2000 team will convert a GM Suburban into a hybrid electric vehicle (HEV) and compete against other university teams over a two-year period. The students will receive academic credit for their work on the program, as well as have the opportunity to work on a real-world engineering project.

Hybrid electric vehicles combine conventional fueled engines with systems for charging and utilizing electric motors. These technologies can reduce tailpipe emissions by reducing fuel consumption. The Georgia Tech team is being advised by Prof. Jerome Meisel of ECE with assistance from ECE's National Electric Energy Testing, Research & Applications Center (NEETRAC) Electric Vehicle Research Center. The GT FutureTruck 2000 team is seeking additional financial and technical support externally. For further information, contact Harry Vann at 404-894-4025. •



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First Eta Kappa Nu Scholarships Awarded

for Undergraduate Electrical or Computer Engineering Students

Eta Kappa Nu, the electrical and computer engineering honor society, and the School of ECE have established a new scholarship program. These scholarships are exclusively for undergraduate electrical or computer engineering students. They are awarded on the basis of a student's financial need, academic record, on-campus and community involvement, and future aspirations in the field of electrical or computer engineering.

On March 4, 1999, the first two ECE Scholarships were awarded. Checks for \$1,000 were given to Nicole Obarowski and Christian Vorndran. Nicole is a junior computer engineering student from Melbourne, FL. She is a co-op with the Harris Corporation and hopes to work in telecommunications research and development. Her campus involvement includes Eta Kappa Nu, IEEE, Society of Women Engineers, Phi Eta Sigma, Lambda Sigma, Campus Civitan, Student Center Programs Board, and Gamma Beta Phi. Christian is a senior computer engineering student from Longwood, FL. He is a co-op with GTRI and wishes to continue at Georgia Tech as a graduate student upon graduation. His campus involvement includes Eta Kappa Nu, IEEE, Tau Beta Phi, Phi Kappa Tau Fraternity, Order of Omega Honor Society, Greek Week Executive

Committee, IFC Homecoming Events Committee, Golden Key, and Lambda Sigma.

Eta Kappa Nu led the effort to attract the resources to support this new scholarship program. A scholarship fund has been established

within the Georgia Tech Foundation for this purpose. This enables companies, institutions, alumni and friends to make tax-deductible donations to the ECE Scholarship. This year, \$3,000 was raised and \$2,000 of this was awarded. In order to continue and expand the ECE scholarship program, additional funds are needed. Contributions may be made in care of the School of Electrical and Computer Engineering and checks should be made out to the Georgia Tech Foundation. For additional information, please contact Dr. Tom Gaylord, Eta Kappa Nu faculty advisor at (404) 894-2931 or tgaylord@ece.gatech.edu. •



(l-r) Greg Martin, 1999 President of Eta Kappa Nu; Nicole Obarowski, scholarship recipient; Christian Vorndran, scholarship recipient; and Dr. Roger Webb ECE Chair.

Oxford Study Abroad Program is a World of Opportunity

The Oxford Study Abroad Program offered three travel courses this summer, all of which preceded other courses at Oxford University. The group that began in Barcelona traveled to Nice, Venice, Heidelberg, and Paris. The group that studied culture and politics in St. Petersburg, Stockholm, Helsinki, and Gdansk, merged with the group who initiated their studies in Berlin. The members of this combined group focused their studies on modern art, architecture, and music in Berlin, Prague, Salzburg, Verona, Venice, Geneva, Strasbourg, Paris, and Brussels.

The Summer 1999 program was attended by 163 students as well as Miller Templeton, director emeritus of International Student Services; Dorothy Ferguson, a nurse; and Lee Payne, Ron Lewcock, and Bill Caldwell, professors in the College of Architecture; Carolyn Wierson, associate director of

the Counseling Center; her husband Phil Wierson, a psychologist in private practice; Steven Broad, a PhD music lecturer at Worcester College, Oxford University; Camille Chapman, program coordinator II in International Programs; and Gail Palmer, professional communication skills program specialist in the School of Electrical and Computer Engineering.

The Summer 2000 Georgia Tech Oxford Study Abroad Program incorporates one week of classes at Georgia Tech with a three-week tour of Europe and six weeks of classes at Oxford University. Students can choose the Baltic tour, the Mediterranean tour, or the Central European tour. Students interested in participating in the program next summer should contact Art Koblasz, director of the Oxford Study Abroad Program, or Heather Emmert, program coordinator, at (404) 894-1794. •



Students hike along the British coastline.

Advisory Board Visits Georgia Tech Lorraine

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In April 1999, The ECE Advisory Board took the meeting over the Atlantic Ocean to the campus in Metz, France. The two and one half day event consisted of meetings with faculty and students at Georgia Tech Lorraine (GTL) as well as meetings with government officials from the Lorraine Region and the City of Metz. •



◀ *Tour of the Regional Assembly of Lorraine.*



◀ *Dean Alford, Chair, ECE Advisory Board; André Ferrari, Vice President, Lorraine Region; Hans Püttgen, President, GTL.*

Jacques Faundon, retired President of GTL; Jean-Lou Chameau, Dean of Engineering, Georgia Tech; Nathalie Griescheck, First Deputy Mayor, City of Metz. ▶



▶ *Philippe Leroy, President, General Assembly of Moselle Department, Vice President Regional Assembly of Lorraine, Vice President of GTL Board.*

ECE Advisory Board, Georgia Tech and Georgia Tech Lorraine representatives. ▶



Ecker Inducted into the Georgia Technology Hall of Fame

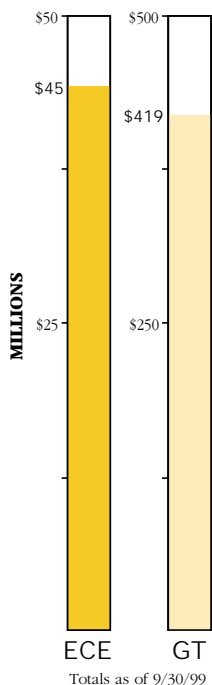
H Allen Ecker, senior vice president of Scientific-Atlanta, Inc. and ECE Advisory Board member, was inducted into the Georgia Technology Hall of Fame on October 19, 1999. The ceremony took place at the organization's Seventh Annual Technology Leadership Celebration, held at the Renaissance Waverly Hotel.

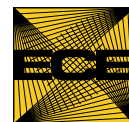
Established in 1993, the Hall of Fame recognizes the achievements of outstanding members of Georgia's technology business community. Dr. Ecker was among those nominated by more than 300 technology leaders in Georgia and was selected by a 17-member selection committee.

Dr. Ecker has been an executive with Scientific-Atlanta since 1976, and he served there as vice president of Research and Development, senior vice president and group executive of the Telecommunications Group, and chief technical officer. Currently, Dr. Ecker is president of Scientific-Atlanta's rapidly growing Subscriber Networks Sector. In 1992, he initiated and led Scientific-Atlanta's move into the development of digital network and digital video products for which Scientific-Atlanta received an Emmy for pioneering in digital video. In 1995, the Southeastern Cable Television Association selected him as "Innovator of the Year" for his leadership in the new digital video technology. Scientific-Atlanta's Subscriber Networks Sector, which is based on digital network and video technology, has now launched with digital networks and digital home terminals on broadband cable in over 70 major cities in North America.

In addition to his accomplishments at Scientific-Atlanta, Dr. Ecker has served the State of Georgia as the first chair of the board for the Georgia Center for Advanced Telecommunications Technologies. He received BEE and MSEE degrees from Georgia Tech and a PhD in electrical engineering from Ohio State University. •

Capital Campaign





Planned Gifts Benefit ECE

A charitable remainder unitrust was the perfect gift vehicle for Mr. and Mrs. Gunter

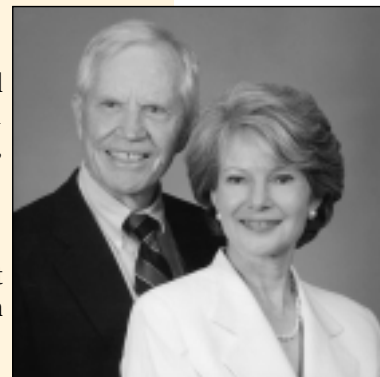
Richard "Dick" Gunter BEE '50 is retired from Hughes Aircraft. Recently, Mr. Gunter began reading about the tax advantages received by an individual who funds a charitable remainder unitrust. Anticipating an increase in his capital gains, he found himself in a unique position to make a charitable gift to Georgia Tech, while at the same time eliminating the capital gains associated with the sale of real estate. Gunter decided to give his real estate to a charitable remainder unitrust and have it sold by the trust, a tax-exempt entity. This shielded him from the capital gains that would have been incurred had he sold the real estate himself, and it also offered him the opportunity to support the School of Electrical and Computer Engineering while receiving personal income from the trust for lifetime. Because of his gift, Mr. Gunter also received a charitable deduction to offset federal income taxes.

Dick Gunter spent many of his lunch periods during his freshman year (1943) at Georgia Tech scrutinizing "story boards" located in the main hallways of the electrical, mechanical, and aeronau-

tical engineering schools. These "boards" displayed the parts comprising an electric motor, mechanical pump, and an aircraft wing section with associated parts lists, drawings, and calculations. The story of the product's design and manufacture was laid out in terms that made a lasting impression. He believes that experiences like this, coupled with his classroom education, gave him knowledge that directly applied to the world he experienced after graduation. Mr. Gunter said, "The things that helped me the most during my career, were things that I learned at Georgia Tech. I feel blessed to have had such an opportunity."

Mr. Gunter and his wife, Beverly, reside in California. They have five children.

For more information on planned giving opportunities at Georgia Tech for ECE, please contact Suzy Briggs at 404-894-5210. •



Dick and Beverly Gunter

Jayant Named Director of Georgia Tech Broadband Institute

Nikil Jayant, John E. Pippin Chair in Wireless Systems and Georgia Research Alliance Eminent Scholar, was appointed director of Georgia Tech's Broadband Telecommunications Center (BTC), effective April 15, 1999. The BTC mission overlaps and complements the mission of the Georgia Tech Wireless Institute (GTWI), which Dr. Jayant has led since July 1998. Together the two organizations create the Georgia Tech Broadband Institute (GTBI), an integrated forum for research and industry partnership in seamless communications.

According to Dr. Jayant, GTBI will focus on home networking, community networking, and ubiquitous multimedia. Traditional activities in high-bandwidth transmission based on copper wire, cable, and fiber-cable hybrids will be maintained and enriched, while enhancing initiatives in the strategic areas of wireless and optics. Currently, GTWI and BTC consist of 20 industrial sponsors and more than 30 faculty from ECE, the College of Computing, and the Georgia Tech Research Institute.

In addition, Dr. Jayant plans to leverage current collaborations with Georgia Tech research programs and centers (the Packaging Research Center, the

Center for Signal and Image Processing, the Interactive Media Technology Center, and the Graphics, Visualization and Usability Center) with the Yamacraw Mission and major initiatives of the National Science Foundation.

"We would like GTBI to be a model for high impact interactions among multiple constituencies on campus, all of which address next-generation communications from particular perspectives," Dr. Jayant said. "We would like for it to be a broadly recognized center of excellence in this area."

Since its inception in 1995, the BTC, under the leadership of its founding director, John Limb, has emphasized access technology and networks, which will be preserved and enhanced in the new merger. As an example, Dr. Jayant said the new BTC facility, which will be located on 10th Street, will showcase the confluence of communications, computing, and media processing technologies and their powerful, potential impact.

The first joint symposium of the BTC and GTWI took place on November 15-17, 1999, and the BTC facility should be available for occupancy in January 2000. •

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

Eight New Faculty Join ECE

Eight new faculty members have joined ECE during the summer and fall of 1999, bringing our faculty total to 90.



Allen Tannenbaum Named as Hightower Professor

Effective August 17, 1999, Allen Tannenbaum was named the Julian Hightower Professor in the School of Electrical and Computer Engineering where his areas of technical interest include systems and simulation.

Previously an electrical engineering professor at the University of Minnesota at Minneapolis, Dr. Tannenbaum has authored or co-authored over 200 research papers and three books, and he serves on the editorial board of the new SIAM series of books in systems and control.

Dr. Tannenbaum received his BA in mathematics from Columbia University in 1973, and his PhD in mathematics from Harvard University in 1976.



Yucel Altunbasak, Assistant Professor
BSEE '92, Bilkent University (Ankara, Turkey)
MSEE '93, University of Rochester
PhD '96, University of Rochester

Areas: Telecommunications, digital signal processing
Dr. Altunbasak's interests include video/image processing, visual communications, media streaming, and networked multimedia. He has also worked at Hewlett-Packard, San Jose State University, and Stanford University.



David V. Anderson, Assistant Professor
BSEE '93, Brigham Young University
MSEE '94, Brigham Young University
PhD '99, Georgia Tech

Areas: Computer engineering, DSP
Dr. Anderson's interests include speech and audio signal processing, psychoacoustics, adaptive filtering, signal modeling, and wavelet applications. As a graduate student, he received several honors for outstanding teaching.



Douglas M. Blough, Professor
BS '84, The Johns Hopkins University
MS '86, The Johns Hopkins University
PhD '88, The Johns Hopkins University
Area: Computer engineering
Previously a professor at the University of California at Irvine, Dr. Blough is an editorial board member of *IEEE Transactions on Computers* and is program chair of the 2000 International Symposium on Fault-tolerant Computing.



Robert J. Butera, Assistant Professor
BEE '91, Georgia Tech
MS '94, Rice University
PhD '96, Rice University
Areas: Computer engineering, bioengineering
Dr. Butera was a postdoctoral fellow at the National Institutes of Health (NIH), where he studied neural control of respiration. He has also been active in educational outreach to minorities.



Jeffrey A. Davis, Assistant Professor
BEE '93, Georgia Tech
MSEE '97, Georgia Tech
PhD '99, Georgia Tech
Areas: Computer engineering, microelectronics
As a graduate research assistant in the Microelectronics Research Center, Dr. Davis developed novel stochastic and physical interconnect models for gigascale integrated systems. His current interests include on-chip interconnect characterization.



A. Bruno Frazier, Assistant Professor
BSEE '86, Auburn University
MSEE '87, Auburn University
PhD '93, Georgia Tech
Areas: Bioengineering, microelectronics
Dr. Frazier was an assistant professor at the University of Utah and co-director of the HEDCO Microengineering Laboratory. He is active in IEEE and the Society of Photo Instrumentation Engineers.



Anthony J. Yezzi, Jr., Assistant Professor
BSEE '94, University of Minnesota
PhD '97, University of Minnesota
Area: Systems and controls
Dr. Yezzi was a postdoctoral research associate in the Laboratory for Information and Decision Systems at the Massachusetts Institute of Technology. He has also worked as an industrial consultant at several companies. ●

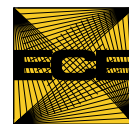
Microelectronics Professors Retire

Richard J. Higgins and Richard P. Kenan, professors in ECE's microelectronics area, were honored at a retirement reception on May 20.

"Both Dick Kenan and Dick Higgins have provided many years of valuable service and leadership to Georgia Tech and the School," said Roger P. Webb, ECE chair. "Their contributions have had a lasting impact. It has been a pleasure and an honor to work with them."

Dr. Higgins, who joined the faculty in 1987, served as director of the Microelectronics Research Center until 1996. In 1995, he began Georgia Tech's Global Innovation for Engineers program.

Dr. Kenan, who came to ECE in 1986, led the ECE Undergraduate Curriculum Committee and helped to establish the computer engineering degree program. A Fellow of the Optical Society of America, Dr. Kenan has served as president of the Georgia Tech chapters of both the American Association of University Professors and Toastmasters.



Alumni News

M. Kemp Mabry, BEE '50, earned a PhD from Florida State University and is now professor emeritus of Georgia Southern University. He was presented the Dean Day Smith Lifetime Achievement Award for Service to Mankind recently by the *Statesboro Herald*.

Warren T. Jones, BEE '65, has been appointed editor of the Association for Computing Machinery Special Interest Group on Biomedical Computing (SIGBIO) newsletter. He is currently professor and chair of the Department of Computer and Information Sciences at the University of Alabama at Birmingham and also holds MS and PhD degrees in computing from Georgia Tech.

Richard O. Neal, BEE '68, is employed by BIGBOMAC Enterprises in Fort Walton Beach, FL as a senior engineer on the USAF IWASH program.

William L. Worley, BEE '73, is an enterprise systems engineer for Sun Microsystems.

Douglas H. Humme, PE, BEE '77, is the electrical department manager for CHPA Consulting Engineers Inc. in Houston, TX. He was granted his eighth professional engineer's license by the State of Indiana in July 1999.

Kimberly-Ann Francis, MSEE '80, has been selected as the engineering manager for Titleist's Ball Plant II in New Bedford, MA. Kim, a native of Boston, received her BSEE from MIT in '79.

Scott Keller, BEE '80, completed medical school at the University of Tennessee and is now a resident physician in internal medicine at the Mayo Clinic in Rochester, MN. His wife Lynn is also a GT graduate, BEE '77, MSEE '78.

Christopher E. Woodhouse, MD, MSEE '84, is a practicing radiologist in south FL and is also engaged in the development of new techniques for imaging coronary artery calcium using spiral CAT scanners. He notes,

"Radiology is a natural specialty for EE's turned MD's, as it is greatly dependent on computers and signal processing for future advances."

Michelle Rockswold Armstrong, BEE '87, was promoted to chief of emerging techniques and technology within the Cryptanalytic Field Systems Division at the National Security Agency in Ft. Meade, MD.

Carlos Alberto Muñiz, BEE '90, is currently working for the IBM Technology Group as a sales manager for the distribution channel in Latin America.

Aditya Bhatnagar, MSEE '94, joined Cable & Wireless USA (NYSE:CWP), Vienna, VA, as a network architect in data network engineering in July 1998. He and his wife, Preeti, are expecting their first child in November. In August, he plans to begin his MBA studies at the University of Maryland, College Park.

Bassel G. Atallah, BEE '94 is a program manager at Visteon Automotive Systems, an enterprise of Ford Motor Company. After graduating from Tech, Mr. Atallah pursued an MSEE degree followed by an MBA degree.

Gilles Kerdoncuff, MSEE '95, is working for Newbridge Networks in France as a network/telecom engineer.

Abraham S. Inlong, MSEE '97, works for Montgomery Watson Americas in Ft. Lauderdale, FL as senior electrical engineer of the Southeast Design Department. His specialty is power systems engineering and controls systems. He is also a registered professional engineer in Florida, Texas, and Georgia.

Catherine Falkner, BEE '90, MSEE '91, PhD '98, and Harry Golsow, BEE '92, announce the arrival of their first son, Raymond Joseph Goslow, on May 25, 1999. Prior to his arrival, Catherine passed the PE exam in April.

Brent Runyon, BEE '97, MSEE '98, is an applications engineer at Pirelli Cables in Columbia, SC. On October 24, 1999, he will run the Chicago LaSalle Banks Marathon raising money for the Leukemia Society.

Richard P. Symonette, MSEE '98, is sales manager for Voice Technologies Ltd. in the Bahamas. In addition, he serves as secretary for Bahamas Adventures and Tours and CTO and executive vice president for Kiosk Technologies Bahamas Ltd.

Greg Kiesel, BEE '99, is working in the RF/microwave group at Raytheon in St. Petersburg, FL. •

We Want to Know! Share your news with your ECE classmates and friends. Just complete this form, clip, and mail. Please print legibly or type.

Name _____ Degree/Year _____

Information for ECE News _____

New Address _____

Daytime Phone _____ Email _____

Mail to Suzy Briggs or Harry Vann at the address listed on the back or visit our web page at <http://www.ece.gatech.edu/alumni> and tell us online!

Faculty / Student News

Callen Receives Two Top Teaching Honors



W. Russell Callen, Jr. received the Richard M. Bass-Eta Kappa Nu Outstanding Teacher Award, which is decided by a majority vote of the ECE senior class, at the School's Spring Picnic on May 21. Earlier that month, Dr. Callen received the Order of Omega Faculty Award for the College of Engineering. The Order of Omega, an honor society recognizing outstanding leadership from individuals within the fraternity and sorority community at Georgia Tech, honored one faculty member from each of the Institute's six colleges.

John B. Peatman recently received the IEEE Education Society McGraw-Hill/Jacob Millman Award for "the development of pioneering, design-oriented textbooks for digital systems." Dr. Peatman's classroom teaching and student interaction is outstanding. He was twice selected for the ECE Outstanding Teacher Award and once as the Outstanding Teacher at Georgia Tech.

Elias N. Glytsis was named as a Fellow of the Optical Society of America (OSA) "...for contributions to diffractive optics analysis and quantum electron-wave devices."

Hans B. Püttgen was promoted to president of Georgia Tech Lorraine (GTL), and **François J. Malassenet** was named GTL's directeur.

Gary S. May received the Georgia Tech Outstanding Service Award, and **Thomas P. Barnwell, III** received the Georgia Tech Outstanding Innovative Use of Education Award. These awards were presented at the Faculty/Staff Honors Luncheon, May 20.

Student News

After 11 years of pursuit, **John H. Bordelon**, senior research engineer in the Georgia Tech Research Institute, graduated with a doctorate in electrical engineering at the age of 57. He received his degree at commencement exercises on June 12. Dr. Bordelon's thesis is entitled "A Large-signal Model for the RF Power MOSFET," his advisor was **David R. Hertling**.

Parag Doshi was awarded the Sigma Xi Best PhD Thesis Research Award for his dissertation entitled "Fundamental Understanding and Integration of Rapid Thermal Processing (RTP), PECVD, and Screen-printing for Cost-effective, High-efficiency Silicon Photovoltaic Devices." His advisor was **Ajeet Rohatgi**.

The following students received awards at Georgia Tech's Student Honors Day Program, May 27: **Olufunmilola Awoniyi**, the AESO Systems Graduate Minority Engineering Award; **Olufunmilola Awoniyi**, **Geoffrey DeSa**, **Daniel McConnell**, **Matthew Neal**, and **Adrienne Stiff**, the ECE Senior Scholar Award; **Nikhil Bagga**, **Norman W. Chin See**, and **Carson Scott Spencer**, the Henry Ford II Scholar Award; **Cari Barsher**, **Brian Delaney**, **John Elmore**, **Emily Loadholt Eaton**, **Tammy Gammon**, **Tsai Chi Huang**, **Sashe Kanapathi**, **Sang Bin Lee**, **Albert Lu**, **Mile Milisavljevic**, **Ketan Patel**, **David W. Peters**, and **Allen Robinson**, the ECE Outstanding Graduate Teaching Assistant Awards; **Sumit N. Bhansali**, the Outstanding ECE Senior Award; **Sumit N. Bhansali** and **Matthew W. Neal**, the Phi Kappa Phi Faculty Recognition Awards; **Choo Chong**, the Outstanding Undergraduate Teaching Assistant Award in Computing; **Craig DeBellis**, the Center for the Enhancement of Teaching and Learning (CETL)/ Dow Foundation Perseverance Award; **Rangaraj Garudapuram** and **Andrew E. Thangaraj**, the Colonel Oscar P. Cleaver Awards; **Taliah Givens** and **Nicole Maria Obarowski**, Georgia Tech Women's Forum Scholarships; **Kimberly Marie Houck** and **Gregory Alan Martin**, the Faculty Award for ECE; **Heather Macleod**, the Georgia Tech Alumni Association Student Leadership Award for International Study; **Matthew Wayne Neal**, the Briaerean Scholarship Cup; **David W. Peters**, the CETL/AMOCO Graduate Teaching Assistant Award; and **William L. Plishker**, the Outstanding ECE Sophomore Award. ●