



Motorola Foundation Donates \$1.5 Million

Establishes Professorship and Endowed Chair

The Motorola Foundation has announced a \$1.5 million gift to Georgia Tech to assist students in earning graduate-level degrees in the fields of engineering and science.

The endowment will be used to create the Motorola Foundation Chair in the School of Electrical and Computer Engineering (ECE) and the Motorola Foundation Professorship at Georgia Tech, a five-year faculty appointment.

ECE will begin a nationwide search to fill the newly created chair. The School has named Georgia Tech Professor Gary S. May to fill the Motorola Foundation Professorship appointment.

Dr. May, whose research areas include semiconductor process and equipment diagnosis, also coordinates a program at Georgia Tech called the Summer Undergraduate Research in Engineering and Science program (SURE).

The program, sponsored by the National Science Foundation, is a ten-week summer research program designed to attract qualified minority students from around the country to graduate programs in the fields of engineering and science.

Georgia Tech is one of the premier institutions for engineering and science in the United States, and it is one of the nation's strongest proponents of diversity education in engineering, said Roberta Gutman, executive director of the Motorola Foundation.

The chairman and CEO of Motorola, Christopher B. Galvin, the Motorola Foundation, and the Motorola Georgia Council are excited about continuing our relationship with Georgia Tech, and helping the university to continue to develop some of the strongest minds in the country, she said.

Ms. Gutman, Jim Maran of the Motorola Georgia Council, and senior leadership from Motorola businesses across metro Atlanta rep-



resented Motorola at a check presentation on the Georgia Tech campus on April 12, 2001. Also in attendance were President Wayne Clough, Provost Jean Lou Chameau, Roger Webb, Dr. May, and Motorola co-op students.

The support of the Motorola Foundation reinforces the long-standing relationship between the College of Engineering and Motorola, said Dr. Chameau. In addition, this gift will help us to continue leading the nation in the education of minority students.

The Motorola Foundation was established in 1953 primarily to support leading universities in the United States. Today, the Motorola Foundation provides funding to higher education as well as a multitude of primary and secondary education programs assisting individuals to reach their greatest potential and to become lifelong learners. Emphasis is also placed on assisting health and human services delivery systems, primarily through support to local United Way organizations. •

Those present at the announcement were (l-r) Jerry Blanton, Senior Vice President (retired) Motorola; Jean Lou Chameau, Provost, Georgia Tech; Roberta Gutman, Executive Director, Motorola Foundation; Wayne Clough, President, Georgia Tech; Jim Maran, Georgia Council, Motorola; and Gary May, Motorola Foundation Professor.

Chair s Corner



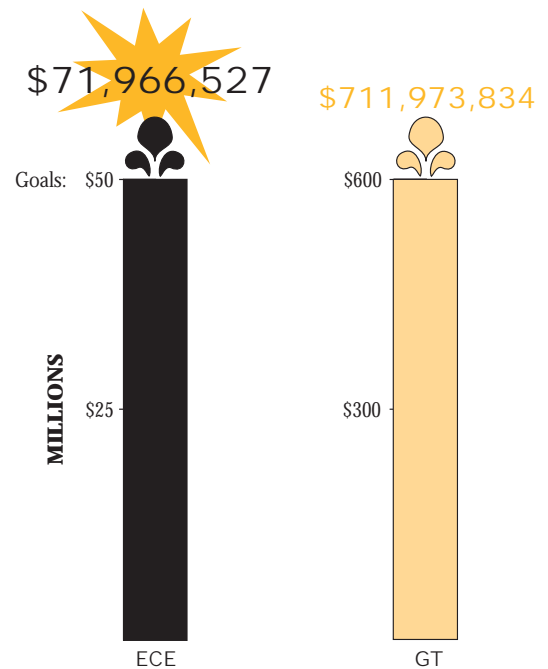
Roger P. Webb
ECE Chair

The end of the year 2000 also brought about the close of the Campaign for Georgia Tech. It has been a privilege to be involved in this successful fundraising effort for the School of Electrical and Computer Engineering. With an initial goal of \$50 million we are proud to report our final grand total of \$71,966,527. We are extremely grateful for the generosity of the alumni, corporate partners, faculty, and staff who enabled us to achieve such a tremendous accomplishment.

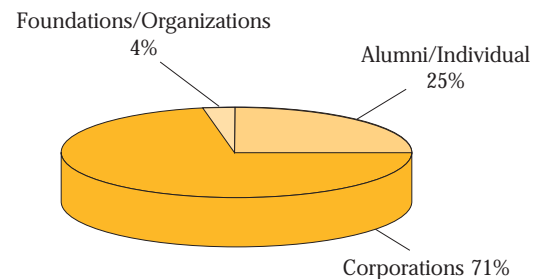
Through the efforts of the Campaign, ECE is positioned to continue and enhance our educational and research programs. The monies raised support our faculty through endowed chairs and professorships, our students through undergraduate scholarships and graduate fellowships, and our teaching and research efforts through upgraded laboratories and equipment. Equally important is the unrestricted support of the School through outright contributions and endowments that enable us to offer strategic programs and lectures which equip our graduates with the best education to meet the technological needs of today s workforce.

I have been fortunate to meet many of you through my travels and visits to alumni and corporations across the country. We plan to continue our efforts to connect our alumni to campus through programs and continuing education opportunities, and to focus on developing cooperative research and educational relationships with our industrial partners. Please join us as we celebrate the success of the Campaign for Georgia Tech and see firsthand the impact that you have made on the School, the students, and the faculty •

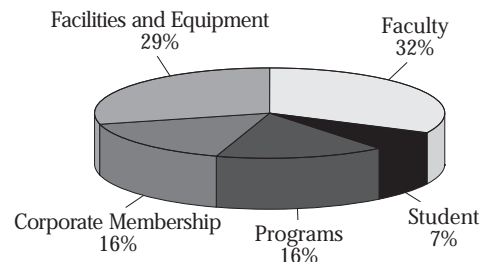
Campaign Totals



Contributions by Source



Contributions by Purpose



At the beginning of the Campaign, the School of ECE had nine endowments worth a total of \$13.4 million. At the end of the Campaign, the School had a total of 44 endowments supporting students, faculty, and general operations totaling \$46 million.



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Faculty Professorships and Chairs

Outstanding junior faculty awards and professorships are granted to the most promising junior faculty members, providing a major incentive to attract and retain those men and women who will become tomorrow's leading teachers/scholars. They provide support to encourage innovation in teaching and research, thereby nurturing the professional advancement of the named faculty member.

ECE Advisory Board members, past and present, established the Demetrius T. Paris Junior Faculty Endowment Fund in the spring of 1998 to commemorate Dr. Paris' outstanding service to Georgia Tech, the School of ECE, and the entire Tech community. Linda M. Wills is the first recipient of this award.

ON Semiconductor, the world's leading supplier of analog, logic, and discrete semiconductor components, provided \$1.5 million to endow two junior professorships in the field of Analog Electronics. After the first five years, the endowment will be used to support a chair, with the funds supporting a distinguished scholar's academic and research programs. J. Stevenson Kenney was named as one of the recipients.

The Motorola Foundation contributed \$1.5 million to the Campaign for Georgia Tech to assist students in earning graduate-level degrees in the fields of engineering and science. The endowment created The Motorola Foundation Chair in the School of ECE and The Motorola Foundation Professorship. Gary S. May has been named The Motorola Foundation Professor.

Kenneth G. Byers, Jr. (BEE 66, MSEE 68) endowed a chair in microelectronics in ECE in 1986. Due to the growth of this initial endowment, the School can now support an endowed chair, as well as three endowed professorships. The newly named Kenneth G. Byers, Jr. Professors are Ian F. Akyildiz, Kevin F. Brennan, and James H. McClellan.

Dr. Akyildiz's research interests include wireless, satellite, and ATM networks, as well as next generation Internet technologies; Dr. Brennan's primary interest is semiconductor device and materials modeling; and Dr. McClellan's work is focused on computer technology applied to education, sensor array processing and radar signal processing, and software for digital signal processing.

School Chair

This endowed chair, dedicated to the incumbent school chair within a specific school, enhances the School's ability to attract leading educators in this position of academic administration.

Steve W. Chaddick School Chair in ECE (Roger P. Webb)

Faculty Chairs

The visibility and stature of an appointment to an endowed chair is perhaps the highest recognition accorded a university faculty member. Chair holders draw highly talented students to the program, attract junior and senior faculty as colleagues, stimulate innovative research, and leverage external funding.

Arbutus Chair in Digital Design

John E. Pippin Chair in Electromagnetics (Glenn S. Smith)

ON Semiconductor Chair (To be complete and filled in 2005)

John and Marilu McCarty Chair (Ronald W. Schafer)

GRA Chairs

GRA Eminent Scholars are indistinguishable from endowed Faculty Chairs, with the exception that the Georgia Research Alliance provides partial funding in predetermined areas of academic endeavor to encourage economic development, particularly in telecommunications, bioengineering, and sustainable technologies.

Steve W. Chaddick Chair in Electro-Optics

Rhesa Screven Farmer, Jr. Chair in Embedded Systems

Motorola Foundation Chair in ECE

John E. Pippin Chair in Wireless Communications (Nikil Jayant)

John E. Weitnauer, Jr. Technology Transfer Chair in

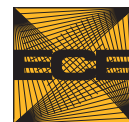
Telecommunications (John A. Copeland)

Over the years, **Georgia Power** has supported key faculty from several schools at Georgia Tech. ECE has two Georgia Power Professors: Ajeet Rohatgi and Hans B. P. ttgen. Dr. Rohatgi is an internationally recognized leader in photovoltaics and is the founding director of the first university-based DOE Center of Excellence in Photovoltaic Research and Education. Dr. P. ttgen is a professor in the area of electric power as well as the director of the National Electric Energy Testing, Research, and Applications Center (NEETRAC) and the president of Georgia Tech Lorraine, the European platform of Georgia Tech.

Duke Power Company supports Ronald G. Harley as the Duke Power Company Distinguished Professor. This position serves as an additional mechanism for the electric utility industry to participate in the Institute's educational and research activities directed to the areas of strategic interest to Duke Power in particular and the utility industry in general. Dr. Harley's areas of research interests include power system stability and control; power electronics, motor drives, and electric vehicles; and neural networks applied to power electronics and electrical machines.

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*Chair

Over 60 master's and Ph.D. students in ECE will be recipients of **Texas Instruments** Fellowships in Analog Integrated Circuit Design. TI, the leading company in the analog/mixed signal market, not only provided over \$2.2 million to fund the fellowships; they provided mentoring and internships for the fellows, making the program an example of a true partnership between industry and academia.



Furman Bisher, senior sports columnist for *The Atlanta-Journal Constitution*, honored his son's memory by establishing the Roger C. Bisher Scholarship. When Roger first entered Georgia Tech, he studied electrical engineering. He soon told his father, "I already know all of that. I need to learn how to run a business, so he switched his major to industrial management and graduated in 1977.

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.

Jim Carreker, BEE 69, established 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 Technology*.



Jean-Lou Chameau, Provost, and Carreker at the reception following the lecture.

Campaign Celebrati

On Friday, April 20, 2001, Georgia Tech celebrated the success of the Capital Campaign with an Institute wide celebration. The five-year fundraising effort ended on December 31, 2000. The Colleges and Schools throughout campus hosted activities during the lunch hour. ECE hosted a lunch catered by the Varsity on the front lawn of the Van Leer Building for all alumni and corporate contributors to the School's fund raising effort. This was an opportunity for students, faculty and staff to meet and thank many of the donors to the Campaign. The lunch was followed by a Mini-University, which included two sessions focused on classroom instruction and campus tours.

Education

Real world experience requires real world tools. **Cadence Design Systems** and **Altera Corporation** provided the tools to enable ECE students to get hands-on experience in the classroom. Cadence's gift of 450 sets of their electronic design software was valued at over \$4.4 million. Altera donated 250 sets of software and supporting hardware with a value of \$1.78 million.



Prof. Tom Barnwell looks over new computer systems provided by the **Hewlett-Packard Company** for use in ECE classrooms and laboratories. HP provided grants of almost \$3 million to bring advanced technology to the classroom. Their support also enables faculty to develop new materials and methods for the delivery of education in a high tech educational environment.



on



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:

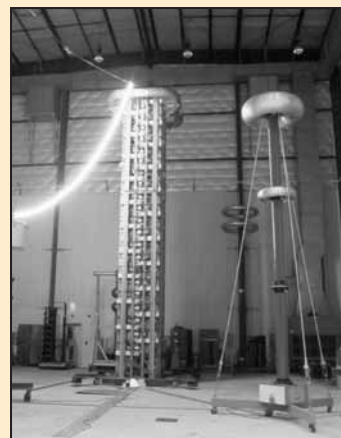
Dr. Hans B. P ttgen
School of ECE
Georgia Institute
of Technology
Atlanta, GA 30332-0250

Center Support

Almost 50 industrial members, working in concert with Georgia Tech and the National Science Foundation, make the Packaging Research Center one of the largest and most successful partnerships at Georgia Tech. PRC is tasked with helping to develop the next generation of system-on-a-package microelectronics, emphasizing improvements in size, cost, reliability, and functionality.



Georgia Power, with a \$4.2 million donation of land, buildings, and equipment, helped ECE launch the National Electric Energy Testing, Research, & Applications Center. NEETRAC is currently supported by 19 industry members and does pre-competitive research for the electric power industry and its suppliers as well as member specific projects.



Faculty/Staff News

ECE Faculty and Staff Win Top Institute and Nationwide Honors

Six faculty members and one staff employee from ECE received top Institute awards at the annual Georgia Tech Faculty/Staff Honors Luncheon, making ECE the most honored academic unit at this year's event. Congratulations to our award winners! **Phillip E. Allen**, Outstanding Continuing Education Award; **W. Russell Callen**, Class of 1940 W. Roane Beard Outstanding Teacher Award; **J. Alvin Connelly**, Outstanding Service Award; **Joy Laskar**, Outstanding Faculty Leadership for the Development of Graduate Research Assistants; **Vijay K. Madiseti**, Outstanding Doctoral Thesis Advisor; **James D. Meindl**, Distinguished Professor Award; **Dean Sutter**, Outstanding Staff Performance Award.

Robert J. Butera, Jr. received a James S. McDonnell Foundation 21st Century Scientist Award for hybrid complex systems—a case study using neuronal dynamics.

W. Russell Callen, Jr. received the El Paso Energy Award for Faculty Achievement for exceptional dedication as an educator and mentor.

Jeffrey A. Davis received a National Science Foundation (NSF) CAREER Award for interconnect dominant ULSI (ultra large-scale integrated) designs: a new paradigm for 21st century IC design and education.

Faramarz Fekri received a NSF CAREER Award for finite-field wavelets for cryptography and error control coding. A first-year assistant professor in ECE, Dr. Fekri also received the Sigma Xi Outstanding Doctoral Thesis Award for his dissertation entitled Finite-field Wavelet Transforms and Their Application to Error Control Coding. He was co-advised by **Russell M. Mersereau** and **Ronald W. Schafer**.

Thomas K. Gaylord received the honorary, professional degree in physics from the University of Missouri-Rolla at their spring 2001 commencement exercises. Dr. Gaylord received his B.S. in physics in 1965 and M.S. in electrical engineering in 1967 from the University.

Nan Marie Jokerst was named a Fellow of the Optical Society of America (OSA) for hybrid integration of optoelectronics onto hosts such as silicon CMOS circuits and polymers, with application to interconnections and computation. ECE now has four OSA Fellows on its current faculty.

W. Marshall Leach, Jr. was recognized as Professor of the Month by Lambda Sigma, the sophomore student honor society at Georgia Tech.

John B. Peatman received the Richard M. Bass/Eta Kappa Nu Outstanding Teacher Award, which is decided by a majority vote of the ECE senior class. Dr. Peatman is a three-time recipient of this honor.

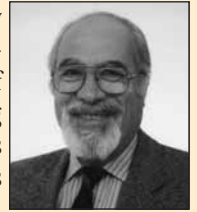
William E. Sayle received the 2001 American Society for Engineering Education ECE Meritorious Service Award for outstanding service to the electrical and computer engineering education community, including five years as editor of *The Interface* newsletter.

Paul G. Steffes received the Georgia Tech Graduate Student Government Professor of the Year Award.

Linda M. Wills received a NSF CAREER Award for automated software understanding for retargeting embedded image processing software for data parallel execution. ●

Moad Retires after Long Tenure of Dedicated Service

Mohamed F. Moad retired on May 31, ending a full-time, 46-year association with ECE. Thirty-eight of those years were spent teaching graduate and undergraduate courses in circuits, systems, and controls to approximately 20,000 students.



Dr. Moad also attended Georgia Tech and earned both his bachelor's and master's degrees in 1957 and his Ph.D. in 1961, all in electrical engineering. For a brief period, he worked for the Syrian Broadcasting Service and then returned to Georgia Tech as a faculty member in 1963, where he spent his entire academic career. After retirement, Dr. Moad will teach part-time with ECE.

The good news is that Mo will continue to teach. The bad news is that he won't be doing it as much, said ECE Chair Roger P. Webb. During his long tenure at Georgia Tech, he has been a mainstay in the instructional program in circuits. Mo is best characterized by his dedication to the profession, by his sincere interest in and caring for his students, and his unfailing good humor. The other bad news is that I now move to the top of the geriatric list of faculty.

Jackson, Nowell Retire from ECE Posts

Two longstanding staff members, Joseph F. Jackson and James I. (Buddy) Nowell, have recently retired from ECE.

Mr. Jackson (BIMgt 65, MIMgt 72) was ECE's director for operations and assistant to the chair for 17 years, where he managed 75 staff members and supervised operational and fiscal activities. Prior to working in ECE, he was assistant to the dean of the Georgia Tech College of Sciences and Liberal Studies and an assistant auditor in the Business Office.

After spending seven years at the Georgia Tech Research Institute, Mr. Nowell came to ECE in 1989, where he most recently worked as a mechanical technician III, servicing the School's equipment needs in its labs, classrooms, and offices. ●



Three New Faculty Join ECE



W. Alan Doolittle

Assistant Professor

BEE 89 and PhDEE 96, Georgia

Institute of Technology

Area: Microsystems

Before joining the academic faculty in January 2001, Dr. Doolittle was a research engineer in ECE from 1996-2000. His research interests include wide bandgap semiconductor materials and devices, microelectronic device/circuit fabrication, and radio frequency power electronic devices. Dr. Doolittle has pioneered the development of nitride-based devices on novel substrate materials, which have facilitated ground breaking material and device improvements.



Christiana B. Honsberg

Associate Professor

BEE 86, MSEE 89, and PhDEE 92,

University of Delaware

Areas: Electric power, microsystems, and optics and photonics

Prior to coming to Georgia Tech, Dr. Honsberg was a senior lecturer in the School of Electrical Engineering at the University of New South Wales in Sydney, Australia. She also served as director of academic studies at the Key Centre for Photovoltaic Engineering, associate director of the Semiconductor Nanofabrication Facility, and associate director for Buried Contact Program at the Photovoltaics Special Research Centre. The Buried Contact solar cell is the most successfully commercialized new solar cell technology in the last decade.



Linda Milor

Associate Professor

BS Engineering Physics 82 and

PhDEE 92, University of California at Berkeley

Area: Microsystems

Before joining the ECE faculty, Dr. Milor was the device engineering manager at Advanced Micro Devices (AMD) Submicron Development Center. She was also a lecturer and assistant professor at the University of Maryland at College Park. A recipient of several industry mentoring awards, Dr. Milor has published papers on yield modeling, yield enhancement, circuit performance prediction, analog integrated circuits testing, and statistical modeling. •

May Named as ECE Associate Chair

Gary S. May (BEE 85) has been named ECE associate chair for Faculty Development and Operations, and the transition to his new duties began on June 1, 2001. Dr. May will replace J. Alvin Connelly, who will retire from full-time teaching and research on December 1, 2001.

Alvin Connelly has established exemplary, standard setting faculty reappointment, promotion, tenure, and post-tenure processes within ECE, said ECE Chair Roger P. Webb. I have full confidence in Gary May's abilities to manage these and other personnel retention and development activities effectively.

A widely recognized leader in the advancement of women and minorities in science, engineering, and technology, Dr. May coordinates the Summer Undergraduate Research in Engineering/Science Program (SURE) at Georgia Tech, an initiative designed to attract qualified minority students into graduate school in engineering and science. He also chairs the national advisory board for the National Society of Black Engineers.

Dr. May is internationally known for his research in computer-aided manufacturing of integrated circuits, and he participates in the Packaging Research Center, Microelectronics Research Center, and Yamacraw. He graduated with his M.S. and Ph.D. from the University of California at Berkeley in 1987 and 1991, respectively.

Schlag Appointed to New ECE Position

Jay H. Schlag was appointed as ECE associate chair for Operations, effective June 1, 2001, a position that oversees ECE facility and financial operation issues that impact almost 300 full-time faculty and staff and more than 2,600 students.

Jay will assume responsibility for ECE facility planning, which currently involves nine separate buildings and will eventually include our transitions into the Advanced Computer Technology Building and the Yamacraw Design Center, said ECE Chair Roger P. Webb. He will also coordinate the development of processes and software tools that provide critical support to our research project and instructional accounting functions.

A member of the ECE faculty for 34 years, Dr. Schlag's research interests are in computer applications, computer aided design, and neural networks. He received his B.S.E.E. from Duke University in 1960 and his M.S.E.E. and Ph.D. from Georgia Tech in 1964 and 1967, respectively. •

Alumni News

E. Calvin Johnson, BEE 47, is vice president of engineering for UBC, Inc. in Tampa, FL. The company areas of emphasis include twist-Cassegrain antennas for threat simulation and Fourier processing of radar imagery.

Ervin Y. Eaker, BEE 52, received the Silver Bowl Award for 10,000 hours as a volunteer at The Fort Lauderdale Veterans Administration Clinic. He is retired from Florida Power and Light, an Air Force Reservist, and a World War II veteran.

Bruce D. Smith, BEE 52, is retired and living in New Hampshire. He skis and snowshoes in the winter, and he golfs in the summer and shoos away the black flies in the spring. Mr. Smith says, My years at Tech were great years, and my co-op experience was super. Now I am enjoying the fruits of all those labors.

William E. Lee, BEE 56, is *really* retired after spending 27 years in the U.S. Army, ending his military career as a Colonel. He then worked for five years with a peacekeeping force in Rome, Italy and five years with Grumman Aerospace, working for NASA on the Space Station. Mr. Lee is now selling electrical contacts to industry as a retirement job through Bill Lee - Distributor, Your Contact People, Inc. in Huntsville, AL.

Dr. Ronald Bower, BEE 63, is a board certified pulmonary/critical care/geriatric medicine specialties physician in Largo, FL.

Joseph L. Braun, MD, JD, and MPH, BEE 72, is an assistant professor in EM MED at George Washington University. He is also teaching biotechnology, intellectual property, and health law courses.

Emory McGinty, BSEE 73, is the director of engineering for Scientific Atlanta.

Thomas Middlebrooks, BEE 74, is the manager of electrical design for Jordan, Jones, and Goulding, Inc. in Norcross, GA.

Lt. Gen. Wijit Chairerk, MSEE 75, is the director for space and technology for the Ministry of Defense in Bangkok, Thailand.

Stanley R. Fory, BCmpE 76, is a member of the technical staff for BellSouth Telecommunications in Birmingham, AL.

Ehud Weizman, MSEE 82, was appointed vice president and general manager of Sitara Networks, Asia Pacific Operations in Hong Kong.

Steve Richeson, BEE 84, is CEO of RF Solutions, an ATDC start-up founded by Georgia Tech faculty members Joy Laskar and Carl Rust. The company designs RF integrated circuits (ICs) for broadband wireless modems.

Kenneth Atchinson, BEE 87, is currently an assistant professor at Baldwin-Wallace College in the Math/Computer Science Department. He is teaching freshman and senior level courses in computer science, while working on his Ph.D. in computer science at Kent State University.

James E. Dunning, MSEE 90, is an engineer with Motorola, Inc. in Austin, TX.

Ajit B. Kahaduwe, BEE 91, joined Avian Communications in Malborough, MA as a senior product manager.

Kimberly E. Newman, BEE 92, MSEE 94, PhDEE 99, is an assistant professor of electrical engineering in the Kate Gleason College of Engineering at the Rochester Institute of Technology in Rochester, NY.

Matthew Clark, BCmpE 95, MSEE 97, took a job with Nortel Networks in North Carolina as an ASIC engineer designing ICs for Nortel's fiber optic module components business line.

Ziaul J. Huq, MSEE 95, worked for Texas Instruments, Houston, TX upon graduation. He then went to work for Cisco in Chelmsford, MA, followed by IBM's wireless division in San Diego, CA. Mr. Huq now works for Openwave Communications, and he has started his own company, Almaden Communications, Inc. in San Jose, CA. Mr. Huq's company implements turnkey financial network solutions.

Vivek Maddala, BEE 95, took a job as an analog/RF design engineer at Tektronix in Portland, OR, after receiving his Georgia Tech degree. At the same time, he was building a career as a solo jazz and pop musician, working with jazz artist Gino Vannelli on projects for Polygram Records and Paramount Pictures. In June 1997, Mr. Maddala was hired by the rock band, Boston, to release the Greatest Hits album and embarked on a U.S. tour with the group. He now lives in San Francisco, CA, where he works



as an electrical engineer at Dolby Laboratories, developing new movie-related audio technologies. He also owns a music production company and state-of-the-art recording facility, Tadcaster Studios. Tadcaster has offices in Hollywood and San Francisco, where Mr. Maddala is composing music for film and television.

Dwayne Hunter, BEE '96, is a NTAC Engineer for Sprint in Atlanta, GA.

Jeong-Bong (J.-B.) Lee, PhDEE '97, received a National Science Foundation CAREER Award for massive replication of RF/microwave MEMS passives modules. He is an assistant professor at Louisiana State University in Baton Rouge.

Craig Scott Smith, MSECE '97, is a captain in the U.S. Army, but plans to leave this fall and possibly return to Atlanta.

Bill Worley, BEE '97, is an engineer with Plantronics in Chattanooga, TN.

Elizabeth Chase Dunbar, BEE '98, is a systems engineer with Siemens Energy and Automation in Alpharetta, GA.

Tae Seon Kim, PhDEE '98, is a senior research engineer with Samsung Electronics Company in South Korea.

Clarence Lucas, MSECE '99, is a software development manager for Coremetrics in Austin, TX.

Ravi Poddar, PhDEE '98, is working as the EDA manager in the VLSI Division of Transmeta Corporation in Santa Clara, CA.

Gregory Martin, BEE '99, MS ECE '00, is a hardware engineer for Tektronix in Beaverton, OR.

Tamara L. Tubbs, MSECE '99, has worked at Intel for a year. She recently moved to New Mexico to assist in hiring a new software team after finishing her previous assignment of marketing Windows CE device drivers. Ms. Tubbs is currently a software engineer with the position of technical testing lead, in which she develops more in-depth programming.

La Shavous Ashmon, BEE '00, is a product engineer with Murata Electronics North America.

Antonio Gentile, PhDEE '00, recently started as an assistant professor in the Department of Automatics and Computer Science (DIAI) at the University of Palermo, Italy.

Darnell Moore, PhDEE '00, is working in the Vision Systems Branch of Texas Instruments DSP R&D Center, developing a line of intelligent networked camera systems as a member of the technical staff.

Ye Chen, MSECE '01, is currently a senior engineer for Motorola in the Wireless Access and Physical Interface Lab in Schaumburg, IL. ●

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

Thirteen ECE students received awards and special recognition at Georgia Tech's Student Honors Day Program on April 17. They are: **Melinda Agyekum** and **Parina Shah**, the Georgia Tech Alumni Association Student Leadership Award for International Study; **Amer Hani Atrash**, **Paul B. Hultz**, and **William L. Plishker**, the ECE Senior Scholar Award; **Philip D. Black**, the Outstanding ECE Senior Award; **Brian Patrick Boyd**, the Outstanding ECE Sophomore Award; **Heather L. Jegel**, the ECE Faculty Award; **Chung-Tse Mar** and **David Richard Reid**, the Henry Ford II Scholar Award; **Lawrence Edward McDonald**, the Robert Engineering Award; **Cody Rowan**, the William Gilmer Perry Award; and **Rajiv Saigal**, the Women's Student Union Annual Make a Difference Award.

Ghassan AlRegib, **Yun-Hui Fan**, **Wesley Gee**, **Shirlan Johnson**, **Arden Huang**, **Wiehan Le Roux**, **Shaw Li**, **Chris Nee**, **David W. Peters**,

Timothy Stoneman, **Ryan Thompson**, and **Alexander Yin** each received an ECE Outstanding Graduate Teaching Assistant Award at the annual ECE Spring Picnic on April 20.

James Hoffman won first place at the January 2001 National Radio Science Meeting Student Paper Competition for Laboratory Measurements of the Microwave Opacity of Phosphine: Opacity Formalism and Application to the Atmospheres of the Outer Planets. He also received an award for the same paper at the Georgia Tech Student Paper Competition, which was sponsored by Science Applications International Corporation. Mr. Hoffman's advisor is **Paul G. Steffes**.

Nathan Bushyager and **Brian McGarvey** received the Best Student Paper Award for Adaptive Numerical Modeling of RF Structures Requiring the Coupling of Maxwell's, Mechanical, and Solid-State Equations at the 2001 Applied Computational Electromagnetics Conference. Their advisor is **Emmanouil M. Tentzeris**.

Joong-Ho Kim won the Best Student Paper Award for Modeling of Irregular Shaped Power Distribution Networks Using the Transmission Matrix Method at the Ninth Topical Meeting on Electrical Performance of Electronic Packaging, held in October 2000. His advisor is **Madhavan Swaminathan**.

Deukhyoun Heo received the Best Student Paper Award for An Improved Deep Sub-micron MOSFET RF Non-linear Model with New Breakdown Current Model and Drain to Substrate Nonlinear Coupling at the 2000 International Microwave Symposium. His advisor is **Joy Laskar**. ●

Georgia Tech Ranked among Best Graduate Engineering Programs in U.S.

Georgia Tech's College of Engineering maintained its powerful national stature, placing fifth in the 2002 graduate school rankings from *U.S. News & World Report*.

In rating the various engineering disciplines, electrical engineering tied for sixth with the California Institute of Technology, and computer engineering ranked twelfth. Georgia Tech's biomedical/bioengineering program, an initiative in which ECE faculty members are also quite active, tied for sixth with the University of Washington.

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