The Woodruff School’s Annual Distinguished Lecture was established in 1990 to honor an engineer who has made an outstanding contribution to society and to provide a forum for that person to address the Georgia Tech community. Last year’s lecturer, Dr. John H. Sununu, was no exception to that rule. He spent the day at the Woodruff School, highlighted by his lecture on the role of The Engineer in the Public Policy Arena. A transcript of this lecture is now available.

Dr. Sununu said that while engineers continue to drive real progress and improvements to the quality of life, they generally have been reluctant to get involved in the process of developing public policy. If the problem solvers of the world don’t participate in making public policy, then policies will be developed by those who don’t know how to solve problems.

Dr. Sununu is President of JHS Associates, Ltd. From 1992 until 1998, he co-hosted CNN’s nightly Crossfire program. He was appointed Chief of Staff to the President of the United States in 1989, and served in the White House until 1992. Prior, Dr. Sununu served three terms as Governor of New Hampshire. Dr. Sununu attended MIT at both the undergraduate and graduate levels, and earned his Ph.D. in 1966 in mechanical engineering. From 1968 until 1973, he was Associate Dean of the College of Engineering at Tufts University and Associate Professor of Mechanical Engineering.

Dr. Roger L. McCarthy, Chairman of Exponent, Inc., gave the 2002 Gegenheimer Lecture on Innovation. He joined the company in 1978, becoming President and CEO in 1982 and Chairman of the Board in 1988. Dr. McCarthy earned his bachelor’s degree in mechanical engineering at the University of Michigan, as well as an A.B. in philosophy. He did his graduate study at MIT earning the S.M. degree, the mechanical engineer’s degree (Mech.E.), and a Ph.D. in mechanical engineering.

Dr. McCarthy has been involved in many major national discussions of product safety and acceptable levels of product risk and in analyzing and reconstructing many major disasters, including the loss of the Amoco Cadiz, the grounding of the Exxon Valdez, and the collapse of the walkways at the Kansas City Hyatt and the roof of the Kemper Arena.

Dr. McCarthy said that disasters can and do result from innovators failing to remember the experience gained from past innovation. A challenge to our system of engineering and scientific education is to formally teach students to learn and codify lessons gained from failure as well as success. There is invariably deeper meaning in a disaster than the facts of the specific event.

The undergraduate program in mechanical engineering in the Woodruff School is now ranked 4th in the nation for the current
A Message from the Chair

WARD O. WINER

The Woodruff School is doing well and always improving in terms of student enrollment, faculty activity, and recognition. The downturn in the economy has had some impact, with reductions in the state budget and in income from endowments. Because of the current and past generosity of alumni and friends and the fact that our faculty continues to expand their funded research programs, these budget issues have had only a minor impact and we continue to march forward with our programs.

Our two major lectures draw outstanding speakers. Last spring, John Sununu gave an excellent Woodruff Distinguished Lecture, and we expect an equally good one from John Slaughter on April 10. This past fall, Roger McCarthy, the founder of Exponent Analysis, was the Gegenheimer Lecturer on Innovation, and he did an excellent job. The 2003 Gegenheimer Lecture will be given on October 16 by Professor Steve Stice from the University of Georgia, who is a prominent, large animal cloning scientist. You might wonder why we chose Professor Stice as the speaker for a mechanical engineering lecture (or why a person from UGA?). I expect engineers to have a major role in the biotechnology revolution so it will be good for everyone to hear first hand from a leader in the field about this exciting new area of science and technology. Besides, Professor Stice might help us clone some of our outstanding faculty and students to make our programs even better.

Our student competition teams do very well. gt motorsports came in third in the U.S. national competition and, once again, first in the International Competition in England. GT Off-Road continues to do well. Robojackets sponsored a Lego Challenge for high school students and mentored a high school FIRST competition team. This year, they are mentoring two teams, Roswell and Wheeler high schools. Another interesting student group is the Odyssey of the Mind team, which went to the national competition and placed first in the university class before the School even knew they existed. The ASME student chapter is active with a large group of students participating in a variety of activities.

This year is the 50th anniversary of women students at Georgia Tech. Today, almost twenty percent of the Woodruff School's undergraduate and graduate students are women. An interesting item found in the archives was a communication from Dr. John Saylor Coon to a person inquiring about women enrolled at Georgia Tech in 1919. It took a long time for the idea to mature and for Tech to actually accept women students, but the interest in our programs on the part of women was there from the very early days of Georgia Tech. It is humorous today to hear some of the ludicrous excuses that were used to exclude women from engineering at Tech. If you look at the list of today's student leaders or the students with the top academic records it is clear that women students are doing very well.

From my vantage point, one of the biggest changes is the complete changeover of associate chairs in the past twelve months. I have been extremely fortunate that for the last six-plus years there were three highly competent and reliable associate chairs in Alan Larson, Bill Wepfer, and Ray Vito. Al retired last summer, Bill Wepfer took a new position as Vice Provost for Distance Learning and Professional Education, and Ray Vito decided to spend more time on his biomechanics research. So, we are working with new associate chairs. Chris Lynch, the new Associate Chair for Administration, has gotten off to an excellent start. David Sanborn, a Senior Academic Professional and former faculty member in ME in the early 1970s, is the new Associate Chair for Undergraduate Studies. Since the fall, Rick Cowan has served as the Interim Associate Chair for Graduate Studies until May, when Yogendra Joshi will take on the job. In April, Wayne Whiteman, one of our former Ph.D. students who is currently a faculty member at West Point and about to retire from a career in the Army, will come aboard as the Director of Academic Services for the Woodruff School. By the summer, we will have a stabilized administration with excellent people in the positions. They have some big shoes to fill in Al, Bill, and Ray. Each did an excellent job for the School and we are indebted to them for their contributions.

In summary, you can rest assured that your alma mater, the Woodruff School of Mechanical Engineering, is doing well and is in good hands with our faculty and staff. We hope that you are doing well and enjoying life. Let us hear from you.
The Annual Spring Banquet is planned and organized by the Woodruff School Student Advisory Committee and sponsored by the Woodruff School. Approximately 200 people attended the event that honors graduating seniors. After the buffet dinner, Dr. Ward Winer introduced Mr. Ralph W. Pries, the 2002 Distinguished Alumnus, and Dr. Robert Fulton, the Jack M. Zeigler Outstanding Educator.

The 2002 Spring Banquet Executive Committee (Jacob Brand, Brett Jenner, Adrienne Prysock, Stewart Scully, Greg Thibeaux, Chris Tsigalas, and Justin Weaver) entertained us with The ME Awards, featuring movie clips for faculty awards. The awards were: Escape from Alcatraz (professor whose class seems to be an endless cavern of surprises): John Papastravidas; Braveheart (professor who inspires you to reach your goals): Marc Levenston; The Godfather (professor who is willing to make you an offer you can't refuse): Raymond Vito; As Good As It Gets (professor whose quirks have taken over the classroom): Ye-Hwa Chen; Something About Mary (most wanted professor): Jeffrey Streator; Finding Forrest (professor who is most helpful): Iwona Jasiuk; History of the World (professor who covers an excessively large amount of material): Itzhak Green; Titanic (professor whose class lasts longer than necessary): Nader Sadegh; Speed (professor who erases the board faster than the students can write the notes): Minami Yoda; James Bond (best dressed professor): William Singhose; and Joe's Apartment (professor whose office resembles your dorm room): Harvey Lipkin.

Distinguished Alumnus Is Amazed at Changes

The Woodruff School Distinguished Alumnus Award was inaugurated in 1990 to recognize an outstanding alumnus of the Woodruff School. Mr. Ralph W. Pries (BSME 1940) was the awardee for 2002. As is our tradition, Mr. Pries spoke to the assembled students at the Spring Banquet about his career and Georgia Tech. Mr. Pries attributes his very successful career to Georgia Tech. After going on a tour of our facilities and attending the ME 2110 judging and competition, Mr. Pries said: “the facilities and disciplines throughout the ME Department really blew my mind. Most of what you showed me never even existed during my years there.”

Ralph Pries received a bachelor's degree in mechanical engineering from Georgia Tech in 1940. Upon graduation, he joined National Theatre Supply Company in San Francisco, a motion picture equipment company. He left National Theatre Supply for a position as vice president of ABC Consolidated Corporation, a national food services firm. When ABC merged with the Ogden Corporation, Mr. Pries was named president of the new corporation. After retiring, he became president of MEDIQ/PRN Life Support Services, Inc., a national medical equipment company that rents ventilators and other life-support equipment to hospitals.

Mr. Pries is very active in philanthropic organizations, and he has been honored for his charitable and humanitarian endeavors. He has also been a consistent contributor to Georgia Tech's annual giving campaigns for more than forty years. He was president of the Georgia Tech Club of Philadelphia, and during the Capital Campaign he made a substantial contribution to Georgia Tech.

The Jack M. Zeigler Outstanding Educator Award

The Jack M. Zeigler (ME 1948) Outstanding Educator Award was given to Professor Robert E. Fulton, who was recognized for nurturing the Woodruff School’s research and education program in computer-aided engineering and design; the initiation and development of the undergraduate program in computer-aided design and the graduate program in computer-aided engineering and information technology; and leadership in the expansion of information technology education within the College of Engineering.

Dr. Fulton came to Georgia Tech in fall 1985 as a professor; prior he was a senior staff scientist at George Washington University. His research at Georgia Tech includes the development of methods and tools associated with the application of new and evolving information technology concepts to improve...
the analysis, design, manufacturing, and life-cycle support of complex engineering products.

50 YEARS OF WOMEN AT GEORGIA TECH

Today, as we celebrate 50 years of women on campus we look back to a precursor to that event. In May 1919, a female engineering student at the University of Colorado in Boulder sent a letter to the Dean of Engineering at Georgia Tech inquiring about the names and addresses of the women registered in the program. She wanted to organize women engineering students and alumna into a society auxiliary to the men's organizations. The following reply was sent on May 7, 1919 by Dr. John Saylor Coon, Professor of Mechanical Engineering and Head of the department: "Dear Lady: Up to the present, women students have not been admitted to Georgia Tech. Yesterday, the City of Atlanta conferred suffrage on women in City affairs, so no knowing what may happen!"

It wasn't until 1952 that the Board of Regents of the State of Georgia voted to admit women into Georgia Tech. Four months later, Elizabeth Herndon and Diane Michel made history by enrolling at Tech. In fifty years, Georgia Tech has evolved from accepting no female students in engineering and science to being the number one producer of female engineers in the country.

For more information about events on campus that celebrate the anniversary, view www.gatech.edu/50yearsofwomen.

gt motorsports WINS SECOND INTERNATIONAL RACE IN ENGLAND

The Georgia Tech motorsports team drove its single-seat race car to overall victory for the second consecutive year at the Formula Student competition in Birmingham, England. The competition, sponsored by the Society of Automotive Engineers, requires students to design, build, and race an open-wheel formula race car. The Birmingham meet pitted 44 university teams against each other. The majority of the teams represented European universities, including the Netherlands, Germany, Slovenia, Portugal, Italy, Finland, Sweden and the United Kingdom. Four teams were from the United States and one was from Canada. Car 21 placed first in the presentation, design, and skid pad categories and second in cost, acceleration, autocross, and the combined endurance and fuel economy event. The team finished first or second in all events.

In the national meet in Detroit, the team turned in what might be their best performance. They placed 3rd overall, out of a field of 134 collegiate teams from around the world. In the static events, they placed 19th in presentation, 18th in design, and 7th in cost. In the dynamic events, the team placed 15th in skid pad, 29th in acceleration, 19th in autocross, and 2nd in the all-important endurance event (40% of the total points are at stake in this event).

GT OFF-ROAD COMPETES WITH TWO CARS

GT Off-Road, Georgia Tech’s Mini-Baja Team, completed their 3rd year in SAE sponsored competitions with many accomplishments. Georgia Tech was one of four teams to compete at all three locations. This was
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also the first year that the team entered two cars into competition. In addition to fabricating a brand new car, the team rebuilt the 2001 car.

The four-hour Mini Baja West endurance race involves terrain that is so rigorous most cars break down before the completion of the race. This was the first endurance race ever completed by the team; car 85 crossed the finish line in 21st place. Midwest Mini Baja is the largest competition of the season consisting of 129 cars and the team had an overall placing of 23rd. The East competition requires a deep water crossing. Out of a field of 53, the cars finished 14th and 16th in the endurance race and 7th and 8th in safety. GT Off-Road was awarded third place in the Mini Baja Iron Team Competition. The award is given to the top three teams with the highest cumulative scores from the three competitions.

ROBOJACKETS: THE FIRST COMPETITION

Students from Roswell High School and Georgia Tech engineering students, who served as their mentors, built a remote-controlled, sporting robot that slam-dunks soccer balls. The robot took the students six weeks to design and build. It competed with robots built by students from Canada, Brazil, United Kingdom, and almost every state in the U.S. in regional and national competitions in Florida during the 2002 FIRST Robotics Competition. Seventeen regional competitions hosted 600 teams of more than 20,000 students. The Georgia Tech/Roswell High School team was the only team from Georgia competing in the games.

The competitions are sponsored by FIRST (For Inspiration and Recognition of Science and Technology), a nonprofit organization devoted to increasing interest in science and technology among youth. Ninth through 12th graders pair up with college engineering students or engineering companies to design and build a robot.

At the regional competition there were nine rookie teams out of the 48 competing teams. The Georgia Tech team, which consisted of ten students from Roswell High School and one from Milton High School, took the Rookie All-Star Award. In the finals, the team won the National Rookie Award out of 200 teams. Professor Wayne Book is faculty advisor to GT FIRST.

LEGO ROBOT CHALLENGE

Robojackets sponsored the first Lego Robot Challenge in 2002. Students from six Georgia high schools learned about robotics by building remote-controlled robots made from special Lego kits. The robots were engineered to perform relay-type activities such as capturing balls and placing them into nine different goals. Participating schools were Wheeler, North Springs, Tri-Cities, Athens Academy, Chattahoochee, and Fulton County Charter School. Judging was based on the difficulty of the goals made and how many goals were made during a five-minute period. Professor Imme Ebert-Uphoff is the faculty advisor to the club.
A team of three mechanical engineering students, Gonzalo Stabile, Yianni Ellis, and Philip Timm, took top honors in the Energy Challenge Competition. Seven college teams built sailboards from paper products and raced on Lake Lanier. The base of the paper sailboard was made from paperboard, similar to paper grocery bags and cardboard box. Inside the board were cardboard tubes that are usually used for mailing. Commonly used paper chemicals are used for finishing and bonding. The base of the vessel was made entirely from paper products.

Odyssey of the Mind is a worldwide creative problem solving competition where teams of students are challenged to solve problems with no single solution. A competition consists of two parts: a long-term problem and a spontaneous problem. Teams work four to six months to solve the long-term problem and present a short skit which demonstrates the solution. To solve the spontaneous problem, teams work for 3-5 minutes to complete a verbal or mechanical problem. A team of Georgia Tech students received 1st place in the World Finals Competition at the University of Colorado at Boulder. Thomas Frosell, a senior in mechanical engineering, was a team member. Other team members came from aerospace engineering, biology, computer engineering, and physics. Whitney Morlock and Amar Chanani, both seniors in mechanical engineering, served as coaches to the team.

The second annual Mechanical Challenge was held two days in November 2002 in the Student Success Center. The jeopardy style competition was sponsored by the Georgia Tech Chapter of Pi Tau Sigma, the mechanical engineering honorary society, and Schlumberger. Undergraduate students from all majors were welcome to participate. Fourteen teams answered questions that were similar to the ones in the GRE and EIT exams. Seth Garner and Jason Brown, president and vice president, respectfully, asked the questions garnered from several sources. Professors Ray Vito and Farrokh Mistree, faculty advisor Janet Allen, and Mario Araya (BSME 2001), the Schlumberger representative, served as judges.

In addition to monetary prizes, the winners received an invitation to visit Schlumberger. First prize went to Adam Reich, Robert Stachow, and Thomas Frosell (all ME students); 2nd place was shared by Brian Lockwood (undecided College of Science), Michael Norris (CS), and Brantley Baird (NRE); the 3rd place team was Brad Schafer (Math) and Daniel Moon (ME).
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The student chapter of ASME is a very active group. Each year, in the spring semester, they sponsor the extremely popular spring picnic. Tee-shirts are available and students can join the chapter. The group joined with IEEE to sponsor a demonstration of the Segway H.T. Bart Thompson, from Michelin, one of the developers of the Segway, gave a design presentation and demonstrated how the device balances itself after falling from a 12-inch curb. Many people attending the demonstration got a chance to use the Segway. Popular events such as these are one reason the chapter was voted Burdell Organization of the Year out of 250 groups at Georgia Tech. Other activities include corporate meetings, plant trips, going to the ASME Congress and Exposition, and attending the ASME Region XI Student Conference, where the chapter won numerous awards including Regional Best Student Web Site. ASME at Georgia Tech has grown to more than 400 members, and they continue to improve the chapter through sponsor donations.

Matt Allen

Aimee Beargle

Paul Bosscher

Josette Broiles

Michael Carone

Matt Chamberlain

R. Karen Corzine

Joel Fortgang

Andrea Lay

Maxime LeMemestrel

Gena Poe

Michael Swinson

Ramiro L. Rivera

Jelena Vukasinovic's

Chris Williams

Jamal Omari Wilson

David Woessner

Harvey Lipkin

John Connelly

R. Karen Corzine, a Ph.D. student doing her research at Los Alamos Neutron Science Center was elected to the User Group Executive Committee. Nolan Hertel is her advisor.

Joel Fortgang was named the Woodruff School’s Outstanding Graduate Teaching Assistant.

Crystal Hsu won a National Science Foundation Graduate Research Fellowship. She is advised by Marc Levenston and Yves Berthelot.

Andrea Lay won a National Science Foundation Graduate Research Fellowship. She is advised by Mark Geil and Lena Ting.

Maxime LeMemestrel, a French GTL student, won the Prix Lothaire of the Lorraine Region to pursue graduate studies outside France.

Gena Poe and Michael Swinson each received a 2002-2003 Southern Regional Education Board Dissertation Fellowship.

Ramiro L. Rivera received an award from the NASA/Harriett G. Jenkins Predoctoral Fellowship Program. The mission of this program is to increase the number of women, minorities, and people with disabilities participating in math, science, engineering, and technology. Ramiro was one of two students to be selected by NASA for the fellowship, which is for graduate education leading to doctoral degrees in NASA-related disciplines.

John Slanina received an honorable mention in the NSF Graduate Research Fellowship competition. He is advised by Cheng Zhu and Levent Degertekin.

Jelena Vukasinovic's paper was selected to receive an award in the Georgia Tech Student Paper Competition sponsored by Science Applications International Corporation. Ari Glezer is her advisor.

Chris Williams received an honorable mention in the NSF Graduate Research Fellowship competition. He is advised by Farrokh Mistree and David Rosen.

Jamal Omari Wilson received the Packard Ph.D. Fellowship. Harvey Lipkin is his advisor.

David Woessner received the Wayne Kay Graduate Fellowship from the SME Education Foundation. Harvey Lipkin is his advisor.
The Atlanta Chapter of ARCS (Achievement Rewards for College Scientists) awarded twelve scholarships to Georgia Tech Ph.D. candidates for the 2002-2003 academic year. ARCS awards were made to high-ranking candidates in the Schools of Mechanical Engineering and Industrial and Systems Engineering. Pictured (first row left to right): James Paul Brooks, Dawn M. Strickland, James R. Luedtke, Susan W. Stewart (ME), Peter A. Kottke (ME), Christine R. Scherrer, Erika Ann Ooten Biediger (ME). 2nd row: Michael D. Swinson (ME), Shannon L. Stott (ME), Brian M. Lewis, Kristopher C. Kozak (ME), Braden K. Hunsaker, Jerome D. Coombs-Reyes, and Rebeccah J. Covert (ME).

A love of teaching, research, and language helped senior Saniya Ahsan become the first female student at Georgia Tech to win the coveted Churchill Scholarship. She is one of only 11 Americans chosen to study engineering, science, or mathematics for a year at Cambridge University in England, where she will pursue a Master of Philosophy in Engineering. She feels extremely fortunate to receive the Churchill, and knows that she did not do it alone. “Advisors, professors, staff, friends, and family have brought me to this point, and I am tremendously grateful.” The trip abroad will be Ahsan’s fourth since enrolling at Tech in 1998. After her freshman year, she studied at GT Lorraine, returning to France her junior year to intern at Schlumberger in Clamart. She also spent time in Bangladesh and India. Ahsan said her international experience has given her a fascination with the way people from different cultures communicate and solve problems.

Ahsan also worked as a co-op student at Visteon in Pennsylvania, conducted undergraduate research, and taught fluid mechanics as part of the United Technologies Teaching Intern Program, all while maintaining a 3.97 grade point average.

Born and raised in Kansas, Ahsan moved to Georgia with her parents where she became valedictorian of North Cobb High School in Kennesaw. She loves to read, likes to cook, and enjoys challenging hikes, swimming, and rollerblading.

Ahsan realized she wanted to be a mechanical engineer when she was about ten years old. Although she comes from a family of architects and engineers, she believes that she chose the discipline because she’s always enjoyed learning about how things work. She intends to get a Ph.D. and become an engineering professor.

**STUDENT PROFILE: SANIYA ASHAN**

**FACULTY NEWS**


*Scott Bair* is a Fellow of the American Society of Mechanical Engineers.

*Bert Bras* and *Imme Ebert-Uphoff* will serve in the General Faculty Assembly and the Academic Senate from fall 2002 to 2005.

*Ken Cunefare* (and others) received U.S. Patent 6,477,718 for Apparatus and Associate Method for Decontaminating Contaminated Matter with Ultrasonic Transient Cavitation, dated September 10, 2002. He also received the Carroll Smith Mentor’s Cup from the Sports Car Club of America which recognizes an outstanding Formula SAE advisor.

*Steve Danyluk* is a Fellow of the American Society of Mechanical Engineers.

*Levent Degertekin* (and others) received U.S. Patent 6,430,109 for Array of Capacitive Micromachined Ultrasonic Transducer Elements with Through Wafer Via Connections, dated August 6, 2002.

*Bob Fulton* was named the 2003 Engineer of the Year in Education by the Engineers of Greater Atlanta.

*Andrés Garcia* (with others) received U. S. Patent 6,413,538 for Bioactive Glass or Ceramic Substrates Having Bound Cell Adhesion Molecules, dated July 2, 2002.

*Ari Glezer* received U.S. Patent 6,412,732 for Apparatus and Method for Enhancement of Aerodynamic...
Performance by Using Pulse Excitation Control, dated July 2, 2002.

Nolan Hertel is Chair of the NRE Division of the American Society for Engineering Education.

Steve Johnson was elected a Fellow of the American Society for Materials International and was appointed to the NASA Aerospace Technology, Advanced Space Transportation Subcommittee.

Yogendra Joshi accepted the position of Associate Chair for Graduate Studies. William Wepfer resigned the position in October 2002 to become the Interim Vice Provost for Distance Learning and Professional Education. He was director of the graduate program for thirteen years. Until the end of the spring term, Rick Cowan is serving as the interim associate chair.


Tom Kurfess received the 2002 ASME/Pi Tau Sigma Gustus L. Larson Award, which honors demonstrated achievement in mechanical engineering within ten to twenty years of graduation.

Steven Liang is a Fellow of the American Society of Mechanical Engineers.

Chris Lynch assumed the position of Associate Chair for Administration, replacing Alan Larson, who retired at the end of May.

Farrokh Mistree gave the Jack M. Zeiger Annual Woodruff School Outstanding Educator Lecture on Cinderella, Professors and Change in the Wal-Marting World of Higher Education.

Robert Nerem was the third recipient of the Pierre Galletti Award from the AIMBE Board of Directors. The award is given in recognition of contributions to public awareness of medical and biological engineering, and to the promotion of the national interest in science, engineering, and education.

Farzad Rahnema was named Associate Chair of the Woodruff School, Chair of the Nuclear and Radiological Engineering/Health Physics Program.

David Rosen was named a Fellow of the American Society of Mechanical Engineers.

Richard Salant, Jacek Jarzynski (Professor Emeritus), and Bill Anderson (Ph.D. ME 2001) received U.S. Patent 6,360,610 for Condition Monitoring System and Method for an Interface, dated March 26, 2002.

Bill Singhose won the 2003 Jiri Tlusty Outstanding Young Manufacturing Engineer Award from the Society of Manufacturing Engineers.

Suresh Sitaraman had the best paper for the 2nd year in a row in the IEEE Transactions on Components and Packaging Technologies. I. Charles Ume received the 2002 Donald P. Eckman Education Award from the Instrumentation, Systems, and Automation Society. The award is given for outstanding contributions in the pioneering and education of mechatronics throughout the world. He also received the 2002 Georgia Tech Outstanding Interdisciplinary Award and was named a Fellow of the ASME.

Ray Vito received the 2002 Wallace H. Coulter Award for Innovation and Entrepreneurship. This prestigious award recognizes a technical achievement likely to have a significant impact on health care delivery and comes with a $100,000 grant to assist his company in bringing the technology to market. He is working on developing a biomechanic device to grow new arteries for bypass surgery patients. In 2003 he was named Associate Dean for Academic Affairs.

Minami Yoda received the 2002 Outstanding Faculty Award from the Women in Engineering program at Georgia Tech. Imme Ebert-Uphoff and Jim Hartley were also nominees.

FACULTY PROFILE:

DAVID SANBORN

A little more than one year after returning to Georgia Tech, David Sanborn was appointed Associate Chair for Undergraduate Studies when Ray Vito relinquished the position at the end of 2002. Dr. Sanborn did his undergraduate and graduate work in mechanical engineering at the University of Michigan, receiving his Ph.D. in 1969. He was on the mechanical engineering faculty at Georgia Tech from 1969 to 1977, when he was an associate professor. From 1978 until 2000 he was Vice President of Engineering and Manufacturing at E-Tech, American Combustion, and Wave Air corporations. He rejoined the Woodruff School in 2001 to teach design on a part-time basis. In January 2002 he became a full-time Senior Academic Professional, responsible for overseeing the capstone design course (ME 4182) as well as the student competition center in the Tin Building. He will continue with these responsibilities while in the associate chair position. Sanborn is a fellow of the ASME.
STAFF NEWS

Segried Allen joined the Woodruff School as an Administrative Assistant I, providing support for faculty members in the Bioengineering research group.

Melissa Baker joined the Woodruff School as an Administrative Assistant II, providing support for faculty members in the Acoustics and Dynamics research group.

Vladimir Borkovich was promoted to Electrical Engineer III.

Shauna Bennett-Boyd was promoted to Administrative Assistant II. She works with the Nuclear and Radiological Engineering/Health Physics group.

Drew Davis was promoted to Electronics Specialist. He will continue testing, repairing, and maintaining printers and other electronic equipment.

Judy Diamond, Administrative Assistant II, won the 2001 Woodruff School Outstanding Achievement Award for Classified Employees.

Kyle French, Electrical Engineer II, works on the design and construction of electronics projects in addition to providing guidance to students and faculty with electronics projects.

Glenda Johnson was promoted to Academic Assistant I and is now at the front desk of the Academic Office.

Cecelia Jones was promoted to Administrative Assistant II. She supports faculty members in the Mechanics of Materials group.

Joyce Lowe, Administrative Assistant II, received the Woodruff School Outstanding Achievement Award for Classified Employees for summer semester 2002.

Terri Keita was promoted to Administrative Assistant II. She supports faculty in the Automation and Mechatronics group. She received the Woodruff School Outstanding Achievement Award for Classified Employees for fall semester 2002.

Dorothy McDuffie-Alexander, Clerk IV, replaced Reuben Sloan in the mailroom.

Michael Murphy, Administrative Assistant II, received a Georgia Tech ten-year service pin at the Faculty-Staff Honors luncheon.

Regina Neequaye was promoted to Administrative Assistant II. She provides support to faculty in the Heat Transfer, Combustion, and Energy Systems group.

Verna Phillips, Administrative Assistant II, was given the Woodruff School Outstanding Achievement Award for Classified Employees for spring semester 2002.

Angad Singh joined the Woodruff School as a Laboratory Manager I in the MEMS Clean Room.

Lona Smith became a permanent Administrative Assistant I in the Woodruff School. She provides support for PI Tau Sigma and faculty members in the Computer-Aided Engineering and Design research group.

Stephanie Wheeler was promoted to Administrative Assistant II. She provides support to members of the Computer-Aided Engineering and Design group.

ALUMNI NEWS

Ted Akiskalos (BSME 2001) received an honorable mention in the National Science Foundation Graduate Research Fellowship competition. He is a graduate student at MIT.

Robert Cantwell (BME 1978) was inducted into the Georgia Tech Academy of Distinguished Engineering Alumni. He is the Chief Executive Officer of Hadady Corporation in Munster, Indiana.

Vanessa Chail (BSME 2002) won a National Science Foundation Graduate Research Fellowship in her senior year at Georgia Tech. Currently, she is a graduate student at Stanford University.

Franco Cimatti (BME 1981) was named head of Advanced Engineering and Innovation at Ferrari, where he oversees all concept, feasibility studies, and simulation work for all new car projects. He says, "it's an exciting position, whose responsibilities range from strategic planning to actual design work. I haven't lost my Georgia Tech all-nighter attitude; back then, it was all calculator, engineering tables, and engineers' paper, now its CAD station, spreadsheets, and board presentations."

Joey Clanton (BME 1999) drove to a third place finish at Winchester (Indiana) Speedway and won the American Speed Association national championship by one point. Clanton is hoping the title will lead to a ride next year in NASCAR's Busch Racing Series, considered by many the stepping stone to the prestigious Winston Cup circuit.

Sonya Summerour Clemmons (BME 1994) is working as a Principal Research Bioengineer at VitaGen, Inc., a biotech company located in San Diego, California. Dr. Clemmons was recently elected to a three-year term on the Board of Directors of the Biomedical Engineering Society and has taken on a leadership position in the American Society of Mechanical Engineers as a member of the Board on Government Relations.

William W. Dean (BME 1977) was inducted into the Georgia Tech Academy of Distinguished Engineering Alumni. He is a Partner in Newcomb & Boyd in Duluth, Georgia.

David Diaz (BME 1984) works at the Disney World Ride & Show in Orlando, Florida.

Julian Diaz (BSME 1997) works on a U.S. air base in Manta, Ecuador at Agrometal as an engineering consultant.
Craig Forest (BSME 2001) won a National Science Foundation Graduate Research Fellowship. He is a graduate student at MIT.

Stephen C. Hale Jr. (BME 1940), Chief Executive Officer of Hale Indian River Groves, was inducted into the Georgia Tech Engineering Hall of Fame.

Mark Horstemeyer (Ph.D. ME 1995) has an endowed faculty position at Mississippi State University in the School of Mechanical Engineering. He oversees solid mechanics research in the department and the Center for Advanced Vehicular Systems, an automotive research complex being developed by the state.

John F. Impeduglia (BME 1987) is living in Steyr, Austria with his wife and child. He has one year remaining on a three-year international assignment with BMW. He says he “looks forward to getting involved with Georgia Tech when he returns to the States.”

Sam Jopling (BME 1950) is well and living in Halifax, Nova Scotia, Canada. He says, “Though I have not been back to campus in several decades, I have fond memories of the days when I lived in a dorm on North Avenue and am still interested in what happens at Georgia Tech.”

J. Adreon "Jack" Keller (BME 1939), Retired Chief Executive Officer of Eltra Corporation in New York, was inducted into the Georgia Tech Engineering Hall of Fame.

Deborah Kilpatrick (Ph.D. ME 1996) was chosen as a Rising Star by the Healthcare Businesswomen's Association for 2002. Deborah was selected by the management of her company, Guidant Corporation. The award is given to those who exemplify outstanding qualities, who serve as a role model for others in the company, and “marks her as one to watch in the healthcare industry.”

Todd Levine (BME 1997) transferred within the Walt Disney Company and is now living in California. He is an engineer working on the new theme park in Hong Kong. He recently obtained his Professional Engineer license, and is working as the lead on three of the rides for Hong Kong Disneyland. He will relocate to Hong Kong some time in the future during the installation of the rides.

Calvin Mackie (BME 1990, MSME 1992, Ph.D. ME 1996) was inducted into the Georgia Tech Council of Outstanding Young Engineering alumni. He is co-founder of Channel Zero and is Associate Professor of Mechanical Engineering at Tulane University.

Jennifer Matullo (BSME 2002) received an honorable mention in the NSF Graduate Research Fellowship competition. Currently, he is a graduate student at MIT.
**Kathleen Klee Spillane** (MSHP 1990, Ph.D. NE 1994), Director of Physics at Millennium Oncology Management in Philadelphia, was inducted into the Georgia Tech Council of Outstanding Young Engineering Alumni.

**Colonel George F. Smith** (Ret.) (MSME 1973) is president of Summit Consultants, a management consulting firm in Woodstock, Georgia. Recently certified as a professional facilitator, he specializes in strategic planning and organizational improvement. He was also a senior examiner on the 2001 Georgia Oglethorpe Award Board of Examiners.

**Mike Walker** (BME 1994) is working on a small team implementing a new maintenance and reliability program for the eastern half of the U.S. operations at Exxon/Mobil. Recently, he did a temporary assignment in Australia, met someone, and is now engaged.

**Craig Woolsey** (BME 1995) won a National Science Foundation Research Fellowship. Currently, he is an assistant professor at Virginia Tech.

**Lawrence J. Ybarrondo** (Ph.D. ME 1964), Retired Founder of SCIENTECH, Inc. in Jackson, Wyoming, was inducted into the Georgia Tech Engineering Hall of Fame. He is the chair of the Woodruff School Advisory Board.

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**IN MEMORIUM**

Jack F. Glenn (General Science 1935) died in December 2002. He, along with his brother, William H. Glenn, Jr. (1935 GS) established the William H. Glenn Fellowships in 1992 in honor of their father, William H. Glenn, Sr. (ME 1891). The income from this fund is used to support fellowships for students pursuing a graduate degree in mechanical engineering. Jack Glenn was a retired Chairman of the Board of Citizens and Southern National Bank and was named Tech's most distinguished alumnus in 1971. He was also a trustee emeritus of the Georgia Tech Foundation.

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**TECH LAUNCHES EUROPEAN ALUMNI ASSOCIATION**

Georgia Tech opened the Georgia Tech Europe Alumni Association in Paris at the end of last year. The organization works well with the Georgia Tech Alumni Association and has parallel goals. It will be housed at GTL in Metz, France. There are more than 700 Tech alumni living in Europe and this will provide a good opportunity for them to meet and to provide support for Tech alumni at GTL. Also, the organization will provide enhanced visibility for Georgia Tech in Europe.

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Let us hear from you! If you've received an award, changed jobs, or have other professional news you'd like to share, please complete this form and submit it, or send an email to rona.ginsberg@me.gatech.edu.
For the 5th year, the Woodruff School took booth space at the ASME International Congress and Exposition, held last year in New Orleans. This is always an opportunity for us to greet old friends, renew acquaintances with alumni, talk to potential graduate students, and discuss the overall nature of engineering education with attendees. We maintained two computers: one with an active Woodruff School web site for people to explore and the other previewed a show featuring the history of mechanical engineering at Georgia Tech up to today's highly sophisticated, state-of-the-art classes and facilities at the Institute. It's difficult to stand on your feet all day and answer questions, but we have seen evidence that it is worth the effort. We look forward to seeing some of you in November 2003 at the meeting in Washington, D.C.
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Rona A. Ginsberg, Editor

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