School Of Electrical Engineering Receives $14.2 Million Software Grant-In-Kind—Largest In Tech History

By Pam Rountree

Valid Logic Systems Inc. and Georgia Tech have formed a major partnership which will have a profound effect on the electrical engineering community in the Southeastern United States. On Dec. 5, Valid announced a $14.2 million software grant-in-kind to Tech's School of Electrical Engineering which will result in the establishment and dedication of the Valid CAD (Computer-Aided-Design) Center.

"We are pleased to be able to help an outstanding engineering school like Georgia Tech keep its students on the leading edge of design automation technology," said Joe Prang, vice president of marketing for Valid. "The tools and the courses provided through this partnership will help ensure a steady stream of new engineers who are up to date with the latest technology and real-world design methodologies."

Prang said he believes that the Tech grant is the largest university donation ever made by an EDA (electronic design automation) vendor.

Georgia Tech President John P. Crecine said of the announcement: "We are overwhelmed by the generosity of Valid. Their contribution helps solidify our position as the top technological university in the South." Electrical Engineering Professor Jay Schlag said that "this donation will make a significant impact in the ability of the School of Electrical Engineering to teach modern digital design techniques to the graduate and undergraduate students. This type of strong commitment from industry is required to provide computer design tools for student education that are beyond the economic reach of a state assisted school."

Applications of the Valid gift also include the Microelectronics Research Center, where students and faculty will use the tools to design a variety of electronic as well as photonic integrated circuits. The Microelectronics Center will provide a unified testing facility to allow students and faculty to test the performance of integrated circuits designed using the Valid software.

"The gift represents a significant enhancement of our resources," said

See Valid, page 3

Atlanta Mayor Maynard Jackson To Speak At Fall Commencement

The honorable Maynard Jackson, mayor of the City of Atlanta, will deliver the fall quarter commencement address at Alexander Memorial Coliseum on Dec. 15 at 10 a.m. to graduates and their invited guests.

Jackson, now serving his third term as Atlanta's mayor, is leading the city into a new era and level of international recognition as it approaches its position in the world's spotlight during the 1996 Summer Olympic Games.

"The coming years will present great opportunities for us to make Atlanta a far better city for all who live, play and work here," Jackson said in a pre-campaign presentation outlining his priorities for the future. "We must look ahead, plan..."
Jackson . . .

continued on page 1

strategically, and be prepared to take advantage of those opportunities.

Jackson's top priority while in office is to aggressively fight drugs and crime by, among other methods, designing and implementing neighborhood-based policing and uniting people and police. Other goals include providing better housing for all, aggressive economic development, effective government, and a higher quality of life.

One of six children, Jackson distinguished himself academically early on. As a Ford Foundation Early Admission Scholar, he graduated from Morehouse College at age 18, with a B.A. in Political Science and History. Jackson later earned the Juris Doctor (cum laude) from the School of Law at North Carolina Central University.

After law school, Jackson settled in Atlanta, where he practiced law with the National Labor Relations Board, offered free legal services to low-income Atlantans through the Emory Community Legal Service Center, and helped establish the private law firm of Jackson, Patterson, Parks and Franklin. At the end of his second term, Jackson returned to the private practice of law as Managing Partner of the Atlanta office of Chapaman and Cutler, one of the nation's leading firms in corporate, municipal and state finance.

Jackson is a member of the Executive Committees of the Democratic National Committee and the Democratic Party of Georgia. He has served as president of the National Conference of Democratic Mayors; founding chairman of the Atlanta Economic Development Corp.; chairman of the Urban Residential Finance Authority of the City of Atlanta; and a member of the President's National Commission on Neighborhoods.

Jackson is the father of four daughters and one son and is married to Valerie Richardson Jackson (M.B.A., the Wharton School of Finance and Commerce), a marketing professional and president of Jackmont Inc.

Personnel news

Two Brown Bag Lunch Seminars have been scheduled for December. Each seminar will take place from noon-1 p.m.

“How To Beat The Holiday Blues,” Dec. 10. This seminar, conducted by a nurse from Behavioral Medicine Associates, will provide information on how to cope with the seasonal depression that occurs as people begin to anticipate the stress that this season can bring.

“Games People Play - Someone’s Watching You,” Dec. 12. Co-sponsored by the Tech Police Department. This seminar will help you identify the various con artists who are very active during the holiday season. Learn how not to become one of their victims. For more information on the Brown Bag Lunch Seminar Series and to register, call Deborah Covin Wilson at 4-3850 or Angela Keaton at 4-7535. Inquiries may also be made via PROFS at TRAINING.

Send Those Receipts!

Help Techwood Tutorial Project help others — send your Kroger receipts to TTP at mail code 0468. This is part of a student-organized, campus-wide effort to raise $400,000 in receipts to get computers for the two schools served by the program.
Valid . . .

continued from page 1

center Director Richard J. Higgins, "providing industrial-strength soft-
ware and a unified design platform for our students." The partnership of Valid and Tech
offers clear benefits to four distinct groups:

• **Georgia Tech**—The university

  gets a fully integrated CAD

  system, a $14.2 million value for

  a nominal maintenance cost.

• **Tech Students**—The students

  gain access to a fully integrated
toolset which contains all of the

  EDA software tools under Valid's

  framework. The student uses tools

  at the university which are widely

  accepted in industry.

• **Industry**—Companies hiring

  Tech graduates get electrical

  engineers with experience on real

  world tools.

• **Valid**—On a long-term basis,

  the proliferation of Valid-trained

  engineers will help to generate in-

  creased sales of Valid tools.

Valid has also made significant

grants to other Southeastern

universities, namely the University

of Florida, Clemson University, and

North Carolina State University.

Between Georgia Tech, Florida,

Clemson, and North Carolina State,

a significant number of electrical

engineers are entering the business

world with in-depth experience

with Valid's EDA tools. In terms of

numbers of electrical engineers pro-
duced each year by the four institu-
tions, most recent figures show the
breakdown as: 1,925 bachelor's
degrees, 445 master's degrees and
35 doctoral degrees.

Valid designs, manufactures, markets and supports EDA solu-
tions based on industry standard
hardware, operating systems and
networks. Valid products are used
to develop electronic systems, in-
cluding integrated circuits (ICs),
application-specific ICs and printed
ircuit boards.

Valid has sales and support
operations in more than 40 loca-
tions worldwide. Valid corporate
headquarters are located at 5800
Orchard Parkway, San Jose, Calif.
95134. Telephone: (408) 432-9400.

The partnership will extend to
joint workshops and seminars for
Tech's industrial affiliates as well as
short courses taught by a combina-
tion of Valid and Tech staff. Valid
and the Institute are also discuss-
ing extending the grant to cover
Valid's new operation in Lorraine,
France.

GTL (Georgia Tech-Lorraine) is a
partnership between Tech and local
French authorities that will result
in the first complete engineering
graduate program offered by an
American university in Europe.

level—coordinated with the

Vice President for Operations

and/or the Plant Operations

Division.

When the decision is made by the

president to declare the CAM-

PUS CLOSED, the Georgia Tech

News Bureau director will notify

the local radio and television sta-

tions in accordance with previously

made arrangements.

Employees and students should

listen to WREK (FM 91.1)—THE

OFFICIAL GEORGIA TECH WEATHER

INFORMATION STATION—to obtain the most up-to-
date and accurate campus status in-
formation. If WREK cannot be
received, radio stations WSB (AM
750), WSST (AM 640) and WCNN
(AM 680) will also carry campus
status information.

**Briefly...**

ATDC Open House - The Advanced
Technology Development Center
(ATDC) will host an open house
event on Dec. 13 from 1-3 p.m. in
suites N-104/105. Tech faculty and
staff will see some of the leading
dge technology companies in the
country that started right here in
Georgia. These ATDC assisted com-
panies have developed notable
technologies in many areas in-
cluding software, electronics,
biotechnology and engineering. For
more information, call Rita War-
wick at 4-5217.

**Counseling And Career Plan-
ning Welcomes You!** — Georgia Tech's
Student Counseling and Career
Planning Center has just earned full
accreditation by the Interna-
tional Association of Counseling
Services. The center will host an
open house on Dec. 18 from 9-11
a.m. Call Virginia Cooper at 4-2575
for more information.

**PEACH Banquet** - The PEACH
program, Georgia Tech's fitness pro-
gram for faculty, staff and alumni,
is celebrating its tenth anniversary.
A special banquet and program is
planned for Wednesday, Jan. 16,
1991 and will feature as the speaker
Dr. Steven Blair, director of
epidemiology, Aerobics Institute for
Research in Dallas. He will speak on
"Delaying Death by Staying Fit." Call Linda Ressokopf in the
Department of Health and Perfor-
ence Sciences at 4-3449 for infor-
mation on the banquet and/or the
presentation.

**Institute Holidays For 1991**

Georgia Tech has announced the
campus holidays for 1991 to be:
Jan. 1, New Year's Day; Jan. 21,
Martin Luther King Jr.'s Birthday;
May 27, Memorial Day; July 4, In-
dependence Day; Sept. 2, Labor
Day; Nov. 28-29, Thanksgiving;
Dec. 23-27, Winter Break; and Jan.
1, 1992, New Year's Day.

For more information, call Dr.
Dick Fuller at 3-9630.

**Georgia Tech Crime Statistics Report**

The safety of more than 12,000 students, 4,000 faculty and staff, and

thousands of visitors each year to its campus is a top priority for Georgia

Tech. The Institute maintains its own police force of approximately 36 of-

ficers. Located in the heart of Atlanta, Georgia Tech is an open campus and

is subject to the types of crime reflected in general society.

Georgia Tech is required by state law to report crime statistics to the

Georgia Crime Information Center. This information is then passed along to

the Federal Bureau of Investigation. These statistics on Georgia Tech are

based on reported crimes committed directly on the Tech campus and can also

include crimes committed within 500 yards outside the boundary of the

Tech campus. Georgia Tech encourages the reporting of crime and reporting it factually

and honestly. This information greatly assists campus police in evaluating

needs and crime prevention procedures and techniques. Recently, Georgia

Tech was asked to participate in a USA Today Campus Security Survey.

The following information was provided by Georgia Tech and the categories

are those included in FBI Uniform Crime Reports:

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Some additional information that was also provided to USA Today.

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<td>&quot;Hate&quot; crimes</td>
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By Sarah Eby-Ebersole
Civic Affairs

Mention the state budget and most people's eyes glaze over as they envision endless columns of numbers whose significance can only be grasped by that lone breed of humans known as CPAs. Indeed, the in-house budget analysts are probably the only ones who take the time to understand the meaning of all the numbers in the 400-plus pages of the state budget. Nevertheless, it is not only possible but important for the rest of us ordinary mortals to understand the process and to know when the windows of opportunity for particular decisions occur.

The state fiscal year may be 365 days long—from July 1 to the following June 30—but the process of preparing the budget, from its beginnings at the institutional level until its final approval on the eve of a new fiscal year, spans more than 12 months. In other words, before one fiscal year has even begun, Tech's administration has already started work on the next.

The General Assembly appropriates most of the state funds for the University System in a couple of systemwide lump sums. The largest is for instructional costs and is based on a mathematical formula. Figures from each institution relative to the number of quarter hours taken by various levels of students in various types of disciplines, the square footage of campus buildings and the like, are plugged into the formula. The crank is turned, and out comes a lump sum for the General Assembly to appropriate for instruction.

Other lump sums include the Quality Improvement Program, which is one percent of the instructional formula lump sum, and the Special Initiative Fund, which is now at $14 million.

Once the General Assembly has appropriated lump sums in these broad categories, the Board of Regents has total discretion as to how these funds are divided among its 34 units.

A second portion of the University System's appropriation covers special non-instructional functions around the system, which the General Assembly addresses individually. For Tech, this section includes state funds coming into GTRI and the ATDC.

The third part of the System's budget involves the construction budget. The Board of Regents compiles a master, prioritized construction list from lists submitted by each of its 34 institutions. The General Assembly starts down the list and provides funds for however many projects it feels it can afford through bonded indebtedness. In Georgia's case, the operating budget must be balanced, but "mortgages" in the form of bonds are allowed for construction projects.

The funding requests that Tech submits at the beginning of the budget process are subject to the same winnowing process as a Christmas list. When President John P. Crecine meets with University System Chancellor Dean Propst in the summer, he brings a wish list of what he would like to have to accomplish his vision for the Institute.

As the Board of Regents works 34 wish lists from the individual units into a systemwide budget, it trims down each list to make the total fit its perception of how much it can appropriately request from the Governor.

Next the Office of Planning and Budget (OPB), at the direction of the Governor, shapes the funding requests from the Board of Regents and all other state agencies into THE state budget. In the process, it cuts those requests back to a level of expenditure the state can afford based on how much revenue it expects to receive—this sum determined by the Governor's economist.

The sum of the various budget requests from state agencies to the Governor is always significantly higher than the revenues expected to be available, so that OPB is never able to fund all or even most of what state agencies request, even in good revenue years.

The Governor presents his budget to the General Assembly in a joint session of the House of Representatives and the Senate toward the end of the first week of the legislative session. In his budget address, he explains his priorities in choosing what to fund.

After the first week of the session, the legislature recesses for a week for joint budget hearings. These hearings give the House and Senate Appropriations Committees a chance to communicate directly with department heads about their budgets. The Chancellor makes a presentation to the committees on behalf of the System and answers any questions they may have.

Then the General Assembly begins work. First through the process is the supplemental budget, a tool to make mid-year adjustments to the current year's budget. In good revenue times when the state ends one year with a surplus, it will use the supplemental budget to inject the surplus funds into the next fiscal year at mid-year.

In years like this one, however, when revenues are not living up to expectations, the supplemental
Georgia Tech Sets Priorities For 1991 General Assembly

By Sarah Eby-Ebersole
Civic Affairs

In today's tight economy, Georgia Tech's focus is on educational programs that strengthen the technological expertise of the state's workforce, and on research and service programs that enhance existing industry, create jobs and keep Georgia's future on track. With proper financial support, the Institute will help Georgia compete and prosper in the world economy.

Tech has developed a series of five-year initiatives to reach its goals. Its legislative priorities for 1991 are built around these initiatives, and they are presented below by initiative.

HONING TECH'S COMPETITIVE EDGE IN THE 90's

Tech has several needs which must be addressed to maintain and hone its competitive edge as an institution of higher education. First, the Institute's position as the South's premier technological university is threatened by an erosion of the state's proportional support of faculty salaries and by a critical lack of student housing.

Second, the 1996 Olympics will put the State of Georgia and Georgia Tech in an unprecedented international spotlight. However, a tremendous amount of planning and work is required to turn the Tech campus into a showcase Olympic village.

Three of Tech's 1991 priorities fall under this initiative:

NEW SYSTEMWIDE FUNDING FORMULA
$177 million systemwide
To be phased in over several years
$12 million, Tech est.

Georgia Tech's ability to offer a rigorous and relevant curriculum, to conduct research that strengthens Georgia's industries, and to provide direct services to communities throughout the state stem from the quality of its faculty. For that reason, Tech recruits from among the nation's best faculties. The salaries commanded by such faculty members exceed the average used by the University System's budget. Thus, Tech has maintained quality, but at the expense of quantity. The student/faculty ratio rose from 14/1 in 1974 to 21/1 in 1990, resulting in large classes that have a negative impact on education programs. According to student/faculty ratios set for the University System, Tech is more than 200 faculty members short.

In August the Board of Regents approved a revision in the instructional funding formula that acknowledges the needs of Tech as a specialized research university to a greater extent than the existing formula. The new formula will expand the number of academic discipline categories, recognizing the higher cost of programs like engineering.

It will also base faculty salary recommendations on peer institutions, and shift research dollars toward doctoral programs and concentrations of sponsored research. These and other proposed changes will dramatically improve Tech's ability to recruit and retain faculty as well as to upgrade its programs.

The acceptance of the new formula as the basis for calculating the funding needs of the University System is the top priority both for the Board of Regents and for Georgia Tech for the 1991 General Assembly.

OLYMPIC PLANNING - $250,000

Converting the campus of Georgia Tech into a modern Olympic village will be a massive undertaking that presents the Institute with tremendous opportunities. Tech needs to begin planning immediately in order to take full advantage of the Olympics.

Georgia Tech is first and foremost a quality institution of higher education, and early, comprehensive planning must be done to complete the necessary construction and renovation in stages, ensuring that disruption in the next six years is minimized. However, most Olympic revenues will not become available until sometime after the 1992 Games in Madrid, Spain.

Careful planning is particularly important for the renovation of existing campus residence halls and construction of Olympic housing if Tech's Priorities, page 6
Tech's Priorities . . . continued from page 5

Tech is to avert a housing crisis. The Institute already has a housing shortage, and the present plan for Olympic housing would result in the loss of nearly 1,000 beds at the proposed construction site.

The campus utilities structure must also be upgraded, food service capacity doubled and entertainment facilities enlarged not only for the Olympics, but for everyday campus use.

Some of the needed renovations and repairs are maintenance that has been deferred because sufficient state funding has not been available. In other cases, long-term ownership and benefits will accrue to the University System after the Olympics as the result of proposed improvements. In both cases, some state financial participation can be justified.

CONSTRUCTION PROJECT: STUDENT RESIDENCES — $24 MILLION

Only 4,000 of Tech's 12,000 students can currently be housed on campus. Eight thousand students must find housing on their own in the metro Atlanta community. The safety aspects of living off campus, to say nothing of the cost of rent, food and transportation, are a great concern to many parents and students, especially young women and those from rural areas.

Last year's General Assembly authorized $1 million in bonds to begin planning for 1,000 dormitory beds. However, a revenue shortfall delayed the sale of these bonds, and the 1991 General Assembly will decide if these bonds should remain in the budget or be cut and the debt service funds used elsewhere.

Reinstatement of the planning money approved last year for constructing 1,000 beds is critical for current needs, for phasing the renovation of existing housing prior to the Olympics, and to supplement Olympic-built housing during and after the Games.

The official Olympic plan assumes that these 1,000 beds will be in place for use by Olympic athletes, and they are needed before then to offset the demolition of residence halls now on the site of the proposed Olympic housing construction.

HELPING GEORGIA MANUFACTURERS COMPETE

Manufacturing is the foundation of this state's economy, but constant changes in technology, products, government regulations and markets make it difficult for Georgia manufacturers to compete in a global economy. To survive and prosper, companies must understand these changes and make the necessary adjustments to take advantage of them.

Georgia Tech's world-class program in manufacturing technology is assisting industry, particularly small and medium-sized firms and those in rural areas. For FY 92, program emphasis will be on the enhancement of industrial services and textile/carpet/apparel research.

Also, funding for the Manufacturing Disciplines Complex will be a top-priority capital item.

INDUSTRIAL EXTENSION SERVICE ENHANCEMENT $75,221

Eighty percent of Georgia's manufacturing firms have fewer than 100 employees, and small businesses account for two-thirds of the state's new jobs. For the past 30 years, Georgia Tech's network of field offices has been a vital community-based resource to assist small manufacturing firms in areas like technology transfer, technical needs, energy efficiency, plant design, marketing, computerization and management.

Tech proposes expanding the system over the course of five years by opening five new offices and adding staff in five existing offices at a total cost of $1.9 million.

The first stage of the expansion would include new offices in Dalton and Griffin, which are at the heart of the state's carpet and textile manufacturing job market, and an additional engineer for the Carrolton office where one engineer is carrying the workload of two and a half. A contract procurement specialist for the Middle Georgia Technology Development Center in Warner Robins is also included in the $75,221 cost for the first year.

TEXTILE RESEARCH - $500,000

The textile, carpet and apparel industries have a payroll of more than $2 billion and comprise nearly a third of Georgia's manufacturing workforce. Yet the state does not support these industries through research and service the way it supports poultry, agriculture and forest products.

Congress is considering major support for a textile research consortium of four southern universities, including Georgia Tech, but is looking for state initiatives and commitments first. The $500,000 would be the first installment of a research project designed to grow through private/federal investment to $3.7 million over five years.

By focusing Tech's expertise on the state's textile, carpet and apparel manufacturers in a coordinated way at this critical time in their technological development, the state can strengthen an important sector of its own economy, enhance its leadership status in the world economy and potentially attract federal research funds as well.

CONSTRUCTION PROJECT: MANUFACTURING DISCIPLINES COMPLEX - $15.8 million (Phase 1)

Modern manufacturing technology is one of Georgia's most critical economic needs as well as one of the most dynamic and rapidly growing research areas at Georgia Tech. It draws on the resources of mechanical engineering, industrial and systems engineering, materials engineering, and textile engineering.

The Manufacturing Disciplines Complex will gather the academic programs for these disciplines from around campus and put them in close proximity to the Manufacturing Research Center. Here they will be able to interrelate with each other and stay in close touch with Tech's cutting edge research programs. At the same time, the complex will address Tech's pressing need for more academic space and faculty offices.

Architectural design work for this $30 million, four-building complex is already underway. The Regents propose constructing it in two stages and list the first stage as a $15.8 million project.

MAINTAINING GEORGIA'S ENVIRONMENT

Waste management, water quality and supply, air quality and resource conservation are critical issues facing state and local government and industry around Georgia. Georgia Tech is deliberately developing the resources to help address these critical needs through research and direct technical assistance. Waste reduction is the priority for fiscal year 1992.

WASTE REDUCTION PROGRAM — $583,297

The competitiveness of Georgia's industries in the 1990's will depend on new technologies to reduce and manage wastes. Industries and communities also need engineering and marketing expertise to help them convert industrial wastes into commercially marketable products as an alternative to waste disposal.

Georgia Tech is deliberately developing the resources to help address these critical needs through research and direct technical assistance. Waste reduction is the priority for fiscal year 1992.

Georgia Tech Night At The Omni Coming On Dec. 15

Tom Hammonds, along with his NBA team, the Washington Bullets, will be coming to the Omni Dec. 15 to play the Atlanta Hawks at 7:30 p.m.

Discount tickets are available at Tick-A-Tech or show your Georgia Tech ID at the Omni Ticket window; prices are $15, $11 and $7. Limit eight tickets per ID.

For more information, call the Hawks office at 827-DUNK.
indicated that PCE doesn’t in-
...had disappeared. Hubbard's studies
...mediately degraded when added to
...gradation studies on PCE, which
...indicated that PCE is completely
...because they have been instrumen-
...interested in the results of PCE
...will be involved in further testing
...“These preliminary tests showed
...one of the traditional methods for
...The tests were performed at GTRI’s Hazard-
...Material, one of the fire fighters sprayed the fuels with all
...But unlike foam, if air reaches the com-
...of fire is extinguished with this material.
...One of a new class of cleaning
...agents, dispersants, and absorbants, PCE can be used for everything
...from preventing fuel in tanks from
...igniting, to cleaning up 150,000-
gallon jet fuel spills in Alaska, to
...safely getting grease off your
...Accordin...president of BCR International Ltd., developers of the product,
...PCE not only is biodegradable but also is nontoxic, noncorrosive, and
...nonflammable.
...Unlike foam, which acts by
...blanketing the fuel and starving it
...of air, PCE emulsifies and encap-
...sulates the product. It mixes with the
...fuel to form noncombustibles that
...won’t ignite or reignite. Foam can be used to put out fires and prevent
...reignition if the foam blanket is undisturbed, but PCE can be used to prevent fires
...by reacting with the materials before they can ignite. Furthermore,
...GasNKopf, who air reaches the com-
...bustibles treated with PCE they
...will not reignite. ESTL’s prelimi-
...nary tests indicate that not only
...will PCE put out such fires— it keeps them out, indefinitely.
...Gary Dykes, director of the Con-
...sumer Products Division for BCR, emphasizes that “PCE emulsi-
...fies indefinitely—for weeks or months.”
...PCE is safe and stable during the
...time that it is being absorbed by
...the environment; and once PCE is
...absorbed entirely, it remains en-
...vironmentally safe. However, even
...though the product is completely
...biodegradable, currently the En-
...vironmental Protection Agency re-
...quires this product and others
...similar to it to be contained and
...recovered after use.
...Kamperman notes that "we work
...very closely with, cooperate with,
...and participate in the training of
...the Cobb County Fire Department,
...the Marietta Fire Department,
...Dobbins Air Force Fire Depart-
...ment, and the Naval Air Station
...Atlanta because of the uniqueness of our facilities for testing ma-
...terials of these types. This type of public cooperation and interaction is an im-
...portant part of the work we do.”

ESTL Helps Local Fire Departments Test New Materials For Containing Fires

By Rae Adams

Fire fighters and other environmental response teams traditionally have used foam successfully to contain hazardous materials fires. However, human safety and environmental concerns have prompted these types of teams to investigate alternatives that don’t require much cleanup and at the same time are environmentally safe.

Environmental Science and Technology Laboratory (ESTL) researchers and the Cobb County Fire Department recently performed the first field-tests using new materials, PCE and M.C. #1, for containing hazardous materials fires. The fire fighters also tested Ansal hazardous materials foam, one of the traditional methods for containing these fires. The tests were performed at GTRI’s Hazardous Materials Training Center in Cobb County in late November.

After ESTL researcher Kevin Kamperman prepared and ignited flammable materials in specially designed burn pits (see photo), fire fighters sprayed the fuels with all three chemicals. Kamperman states, “These preliminary tests showed that under controlled conditions all three products were effective. We will be involved in further testing of these materials.”

Researchers in ESTL and Dr. Jerry Hubbard, of Georgia Tech’s School of Biology, were particularly interested in the results of PCE because they have been instrumental in product development of PCE. Hubbard performed the biodegradation studies on PCE, which indicated that PCE is completely biodegradable. He found that it immediately degraded when added to garden soil and that within two weeks greater than 95 percent of it had disappeared. Hubbard’s studies indicated that PCE doesn’t in-
What’s next

ACADEMICS

December 11 - The last possible date that information can be accepted by the Registrar’s Office for qualifying a student for graduation on December 15 is noon today.

December 12 - Undergraduate Curriculum Committee (degree candidates only), 3 p.m.

Graduate Committee (degree candidates only), 2 p.m.

December 14 - Last day for (1) degree petition and/or reactivation of degree petitions and (2) approved programs of study for Master’s Candidates to be received by the Registrar’s Office for March commencement.

December 15 - Commencement, 10 a.m., Alexander Memorial Coliseum.

December 17 - All grades due in Registrar’s Office from school and departments by 9 a.m.

January 3 - Registration (Phase I) for Winter Quarter, 1991.

January 4 - Classes begin (Winter Quarter, 1991).

LECTURES & SEMINARS


A Note From Whistle Editors

Due to Winter Break, there will not be a Whistle coming out until Jan. 14, 1991. The deadline for submitting items to be considered for publication in that issue is Friday, Jan. 4.

News items may be sent to the News Bureau at mail code 0181 or sent to Whistle Managing Editor Jackie Nemeth via PROFS at JLNEMETH. Classifieds and “What’s Next!” information may be sent to Contributing Editor Vera L. Dudley at mail code 0181 or via PROFS at VUDLEY.

The Whistle staff would like to thank everyone in the Tech community, Electronic Mail (e-mail) addresses for faculty, staff and students are now included in the directory.

Questions concerning e-mail should be directed to the Information Technology HELPDESK at 4-7173. New UNIX users may wish to consult the publication entitled “An Introduction to UNIX for Georgia Tech Computer Users,” available from the HELPDESK.

A small number of campus directories are missing pages 89-96 as a result of an error during printing and binding. Pages 97-144 appear twice in these defective copies. If you received a defective copy, please contact Personnel Records at 4-3224 for a replacement.

Information About Campus Directories

The 1990-91 Campus Directory has now been distributed. As an additional service to the Georgia Tech community, Electronic Mail (e-mail) addresses for faculty, staff and students are now included in the directory.

Questions concerning e-mail should be directed to the Information Technology HELPDESK at 4-7173. New UNIX users may wish to consult the publication entitled “An Introduction to UNIX for Georgia Tech Computer Users,” available from the HELPDESK.

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Maniyanann Receives Engineering Award

Dr. S. Maniyanann, assistant professor in the School of Industrial and Systems Engineering, has been chosen to receive a 1991 Robert B. Douglas Outstanding Young Manufacturing Engineer Award by the Society of Manufacturing Engineers (SME). The award is conferred in recognition of Maniyanann’s significant achievements and leadership in manufacturing engineering and will be presented at the WESTEC Conference in 1991.

Maniyanann received his Ph.D. in industrial engineering from Pennsylvania State University and joined the Tech faculty in fall 1988. His interests are in the areas of robotics and automation, design and analysis of manufacturing cells, and knowledge-based systems. His current research involves the implementation of an on-line simulation system for real-time control of computer integrated manufacturing including the design of a knowledge base; and extensions to two of his recently developed rule-based systems for (i) robotic collision avoidance in a flexible assembly cell, and (ii) earlier prediction of machine tool failures and repairs.

He is a senior member of the Society of Manufacturing Engineers, the Institute of Industrial Engineers, and the American Society of Mechanical Engineers.

People

Management

Leonard Parsons has his biographical sketch included in the just published Who’s Who in America 1990-1991. Parsons’ admission was based on “level of significant achievement attained in a career of noteworthy activity.”

Physics

Regents Professor Joseph Ford was the recipient of the Jesse Beams Research Award at the annual meeting of the Southeastern Section of the American Physical Society on Nov. 16. The award is for outstanding research by a physicist working in the southeastern region and recognized Ford’s contribution to non-linear mechanics, algorithmic complexity and statistical mechanics. Ford was also the after dinner speaker at the meeting’s banquet with a talk entitled “Fringe Benefits.”

Job Hunting?

If you’re looking for employment opportunities, call the Job Line in the personnel office—ext. 4-4592.

Tech’s Phi Kappa Tau Chapter Named Best In The Nation

The Phi Kappa Tau National Fraternity recently announced at its annual awards banquet that the Alpha Rho Chapter at Georgia Tech is the 1989-90 recipient of the overall Roland Maxwell Outstanding Chapter Award.

Each year, Phi Kappa Tau names three chapters throughout the U.S. as the most outstanding in their respective categories, with one of the three chosen as the overall winner. The categories in the selection process include fraternity systems with 1-8 chapters, systems with 9-19 chapters and systems with 20 or more chapters.

Alpha Rho Chapter at Tech was chosen as the outstanding chapter in division III, fraternity systems with 20 or more chapters, and was eventually named the overall winner. Winners are selected based on several criteria including performance in all basic operations: financial management, alumni programming, membership orientation, recruitment, housing, academics and tone and morale. Emphasis is also placed on individual involvement within the campus community.

The overall winner of the Maxwell Award receives a traveling trophy, in addition to a permanent plaque.

Classifieds

Free - Full breed Husky & English Pointer have 8 mixed puppies—5 males, 3 females. Call Rachel at 326-7073 or Bonnice after 6 p.m. at 229-8435 if you can give them a good home.

For Sale - Apple IIE computer, monochrome monitor, two 5.25 in. disk drives, modem, and parallel interface card, with software and manuals, plus C. ltoh 8510 Printer, $375, or $275 without printer. Call 528-7768 or 459-5030.


For Sale - Sony Video 8 Camcorder, auto focus, complete w/case, $450. Call Delores at 528-7773 or 977-6700 after 5 p.m.