

Welcome to a festival of fun in the exciting world of technology!!

Saturday, May 8, 1993

10 a.m. - 4 p.m.

Southern College of Technology

1100 South Marietta Parkway, Marietta, Ga.

Special presentations

TECHFEST '93 turns very special attention to the space age and to those who have experienced our skies and environment in very special and sometimes heroic ways.

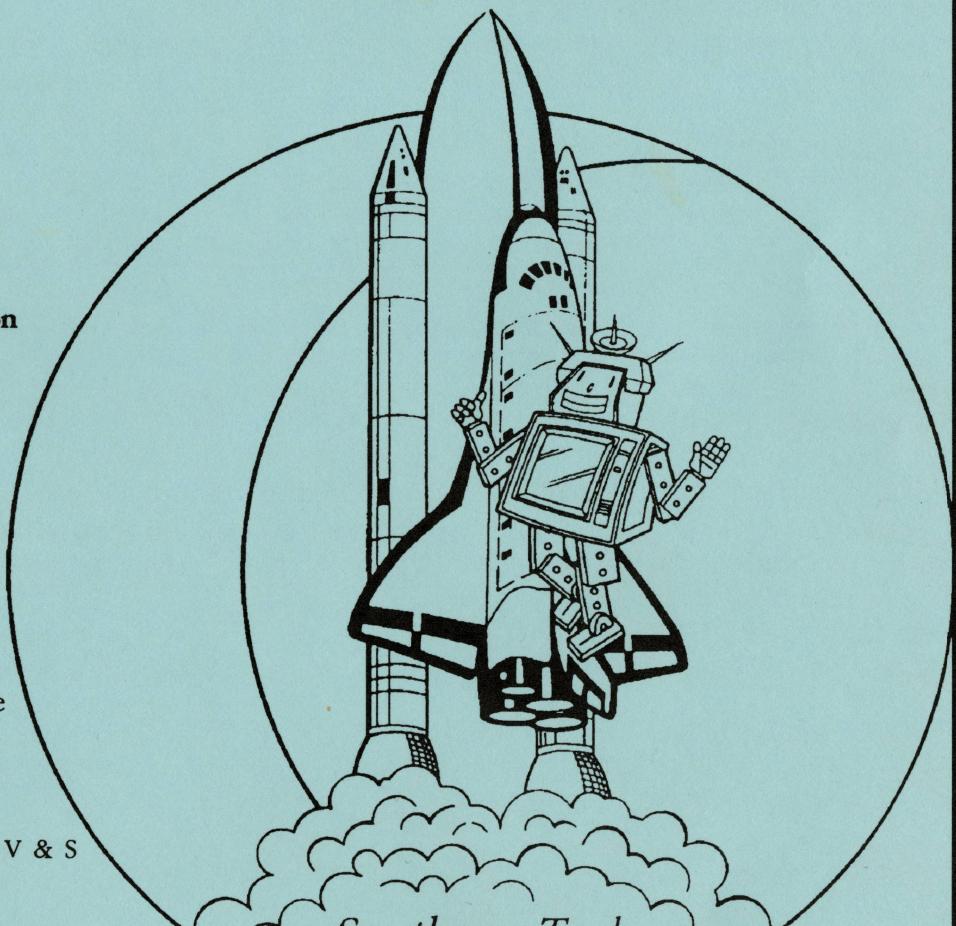
National Aeronautical Space Administration (NASA)
Astronaut Presentations
Auditorium, Apparel and Textile Building M
10:30 a.m., 1 p.m., 2:15 p.m.

Kennedy Space Center Spacemobile
10 a.m. - 4 p.m., lobby, Apparel and Textile Building M

AH-1 Cobra Helicopter Gun Ship
10 a.m. - 4 p.m.
Between Howell & Norton Dorms, Buildings V & S

Federal Aviation Administration (FAA)
10 a.m. - 4 p.m.
Burruess Exhibit Hall, Building H

Civil Air Patrol
10 a.m. - 4 p.m.
Burruess Exhibit Hall, Building H



Southern Tech
TECHFEST '93
Technology in the Space Age

TECHFEST '93!!

Building A—Student Center

Edible Charrette Competition— 11 a.m. - 2 p.m.

This competition is sure to give you a taste of the world of architecture. School of Architecture students compete to build the best with flour, sugar and other assorted goodies normally associated with baking cookies. And, you can enter a team of your friends or family in this deliciously fun competition, using tasty ingredients to build an edible structure.

(Lower Lobby)

Math is fun! (Upper Lobby)

The beauty of mathematics

Watch how math equations can be used to produce beautiful video displays. Fascinating fractals and Julia sets include beautiful patterns which actually move and grow, proving math can be both artful and bizarre.

Instant Insanity!

Solve the popular three-dimensional instant insanity puzzles and experience soma cube puzzles.

The Graphing Calculator

Difficult and tedious mathematical problems are now solved almost instantly with the graphing calculator. See how today's students are solving complex mathematical problems with ease.

Southern Tech International Student Association Festival

There are students from 43 countries at Southern College of Technology, many of whom will exhibit art, dress, cultural artifacts, food and entertainment of their homes. (Student Center Building A, Ballroom)

Flying Robot

This helicopter-robot landed Southern Tech an international award. Students use cameras, computers and antennas to control an autonomous flying vehicle. Displayed is the internal navigation system which allows this amazing machine to complete a series of tasks without human intervention. (Upper level lobby)

Building C—Library Rotunda

Birthday News & Biorhythms

Visit the library rotunda and get a computerized print out of the events that happened the day you were born. Also, check to see if you are up, down, stressed or calm. A computer will let you know.



Building E

Amazing Physics

See a magnet levitated by a high temperature super conductor. Learn about super conductors which are used to move magnetically levitated trains, such as those used in the new superconducting super collider facility in Texas. And experience the beat phenomena at the optics and beats demonstration. Observe the unusual effects of rotating bodies through the rotational inertia exhibit. (Second Floor)

Building G

Electronic CAD

Electronic computer-aided design packages are bringing electronic design and circuit board layout into the future. (Room G-230)

Electrifying Music

If you like music, computers or electronics, you'll be excited about what they can combine to create—a computer-controlled miniature electronic pipe organ. Meet the maestro who created this musical delight and enjoy the results of his efforts. Presentations lasting 40 minutes begin on the hour, starting at 10 a.m. (Room G-175)

Building H—Burruss Academic Building

Federal Aviation Administration (FAA)

Did you ever wonder what really goes on when you fly across country? Enter the world of pilots, air traffic control officers and weather experts. A computerized flight simulator will put you in the pilot's seat. FAA exhibits also educate about other aviation-related education. (Burruss Exhibit Hall)

Burruss Academic Building, H, con't.

Civil Air Patrol

When a small plane is missing, often the first crews out to conduct search and rescue missions are members of the Civil Air Patrol. Visit CAP for an interesting view of these vital functions. Young TECHFEST visitors will also want to be on the lookout around campus for CAP's delightful mascot, "Air Bear." (Burruss Exhibit Hall and Lobby)

Georgia Youth Science and Technology Center

At GYST Centers across Georgia, science and technology is always fun. More than 5,900 teachers and 29,500 students have participated in GYSTC programs similar to those you can enjoy today, such as colored shadows, lasers and static electricity. (Burruss Lobby)

Computer-Controlled Train System

What makes MARTA run? See real-time computer programming at work in this railroad system of the '90s. Learn how computers are used in high-speed transportation systems, and how computer software can monitor and control physical devices.

(Room H-243)

Computer Graphics and Multi-Media

The many uses of computer-based applications of multi media and graphics may surprise you. Comic strip characters come off the printed pages with the help of a hand-held scanner and computer. A multi-media program demonstrates chemical reactions. PCs grab and manipulate video frames and show 3-D fractals. (Room H-243)

Computers and Construction

Bring your daily schedule to us and we'll computerize it with the system students use to plot and schedule construction projects. You'll learn how the program works from start to finish and it just might help you manage your own projects! (Room H-339)

P.B.S. "Skyscraper" series

This educational video shows the details, materials and people involved in the massive undertaking of building a New York City skyscraper. (Room H-339)

"America By Design," 12 p.m. - 1 p.m.

A beautiful film traces the architecture of America from early settlement to our modern day skyscraper-filled cities. (Burruss Auditorium)

Learning Resource Center

Southern Tech's developmental studies lab will demonstrate how computer-aided instruction software has become a major learning resource for students of all ages. (Room H-125)

Technology Management

Southern Tech's School of Management will be on hand to explain the curriculum for undergraduate and master's level management degrees. (Burruss Lobby)

Building I

KinderCity for Creative Kids!

Visit a returning TECHFEST favorite, KinderCity, where young children become city planners and explore the possibility of being our architects of the future. Youngsters take a hands-on trip into the world of designing and building structures. (Room I-240-C)

Join the Designers

Enjoy complex building designs created on computers and drawn on a high-speed plotter. Then try your own hand at computer drafting and take home a printout of your results.

(Room I-230)

Gallery

See a variety of the many projects that architecture students produce, from drawings and plans to cardboard chairs and building models. (Room I-206-A)

Rollin' on the River

Changes in river flow have to do with a lot more than just rainfall. Watch the use of a hydraulic flume to demonstrate the dynamics of open channel flow. (Room I-122)

Surveying — Past, Present and Future

Step way back in time and become a surveyor using turn of the century equipment. Then leap forward to the present and today's electronic distance meters. Finally, peek into the future at the very latest in surveying with global positioning systems and equipment that monitor satellites. (Room I-160)

An Award-Weighty Bridge — and a Weight Watchers Special

Southern Tech consistently wins steel bridge building competitions regionally and nationally. View our entry for the 1993 steel bridge building competition. Then determine your own weight using strain-gage technology. (Room I-147)

3-D Drafting

No special 3-D glasses are necessary to demonstrate the role of computer-aided drafting in civil engineering technology education and professional practice. (Room I-140)

A Concrete Canoe

Visit Southern Tech's "heavy entry" in the 1993 American Society of Civil Engineers regional concrete canoe competition. It's on dry land today but it carries a crew and floats! (Outside Building I)

Building K

Formula Race Car

See the formula car designed and built by Southern Tech students before it roars off for a national competition sponsored by the Society of Automotive Engineers. (Between Building K and Trailers)

Human Powered Vehicle

This may look somewhat like an outer space UFO, but it's really an encased bike run solely by human peddling power! Officially, it has been clocked at 47 mph, and unofficially at approximately 60 mph. (Between Building K and Trailers)

Robotics in action

The plant "line" of manufacturing is just a memory today. Today's sorting and packaging is controlled by computer and implemented by robotics. You'll see it in action with Technovate. (Room K-188)

Wilder Communications Center Building SM

You probably know that compact disc players are read by lasers. But did you know that you can transmit the music across rooms by laser and turn it off and on by interrupting the flow with your body? It's more fun than punching the television remote control from your couch. But, couch potatoes can come to Wilder, too and view a T.V. show picked up from satellites by the Southern Tech big dish antenna and satellite receiver.

Around Campus

AH-1 Cobra Helicopter Gun Ship

The Naval Air Station/Atlanta brings to TECHFEST the famed Cobra, which attracted worldwide attention during service in the Persian Gulf. Very seldom is it possible to get a close-up view of this sophisticated gun ship, so come for a visit. (Between Howell and Norton Dorms, Buildings V and S)

The Marietta Fire Department is displaying their 100-foot ladder unit in front of the Dorms.

AND—Zoo Atlanta will share with you Georgia's endangered species.

Building M—W. Clair Harris Apparel and Textile Center

NASA Astronaut

TECHFEST is proud to present an astronaut to share the experience of space flight. Through a personal presentation and videos taken in outer space, you can join a space crew for an exciting hour.

**Presentations at: 10:30 a.m., 1:00 p.m., 2:15 p.m.
(Auditorium)**

NASA spacemobile exhibits

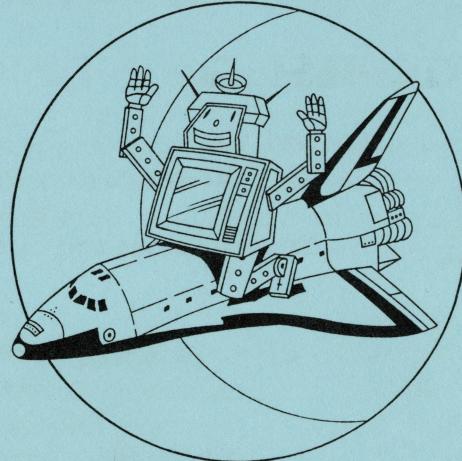
from Kennedy Space Center, Florida.

NASA Representative Les Gold will help you share the exciting memories of several United States missions. Examine the effects of space and re-entry on shuttle tiles and see the lunar rock samples which once nestled on the face of the moon. (Lobby)

Apparel & Textile Manufacturing— the high tech way

• Computer-aided design and manufacturing is revolutionizing the apparel and textile industry. Style and patterns change before your eyes at the touch of a computer keyboard. Design becomes reality in the world of computer-enhanced, automated production. See the latest testing, production and manufacturing. CIM network-linked computers communicate with each other to put clothes on your back and carpet under your feet.

• If you've ever wanted to kick your old sewing machine, rip out the bobbin or stamp on the button maker, you'll want to see the sewing machine of the future, at TECHFEST now. When you yell at this voice-activated machine, it understands and reacts.



Entertainment, food and fun!

WNNX, "99X" Radio Station, 2 - 4 p.m.
D.J. personality appearance, music, T-shirts and c.d.s
- for lively listeners

RE/MAX Hot Air Balloon rides (weather permitting) 10 a.m. - noon

Moon Walk, 10 a.m. - 4 p.m.
In front of Building F

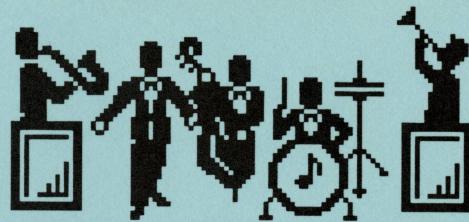
Dixie Racing Club's Radio Controlled Cars
Race: 1 - 2 p.m., practice sessions a.m.
Lower Level Parking Lot (Across the street from Building K)

Marietta City Police and "RoboCop"
In front of Student Center, Building A

Li'l General Cloggers
10:15 - 10:45 a.m.
Main Stage upper level of campus
12 - 12:30 p.m.
Parade Circle in front of Student Center, Building A

Bungee Cord Quartet, strolling the campus
(Sponsored by the Campus Activities Board)

Southern Tech student groups are serving as your refreshment hosts, with an array of food and drinks throughout campus. Your chefs are: Pi Kappa Phi, National Society of Black Engineers, Lambda Chi Alpha, Alpha Delta Pi, and the Alumni Association Callers.



McCleskey Middle School Jazz Band
11:30 a.m. - 12:15 p.m.
Patio, Apparel and Textile Building M

Norcross High School Jazz Band
11:30 a.m. - 12:30 p.m.
Amphitheater

Walton High School Jazz Band I
12:30 - 1:15 p.m.
Main Stage, upper level of campus

International Student Center Association Festival
Student Center, Building A, Ballroom
Exhibits: 10 a.m. - 4 p.m.
International Luncheon Buffet: noon
International Entertainment: 12:30 - 4 p.m.

DON'T MISS

TECHFEST Guest Exhibitors

Be sure and visit some of the state's most sophisticated companies and organizations as they demonstrate technology at work and at play in your world today, and what to expect in the future.

Exhibits on electric cars, energy systems, the "magic" of technology, and communications.

- Georgia Power Company • BellSouth Mobility
- SciTrek • Automated Logic
- Cobb Electric Membership Corp

(Student Center Upper Level Lobby and Meeting Rooms, Building A)

- Georgia Youth Science & Technology Center
(Burruss Building H, Lobby)

**Corporate Exhibitors
& International Festival**

