



# The Basic Facts

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The Basic Facts, College of Basic and Applied Sciences, Middle Tennessee State University, Murfreesboro, TN

## The Science of Success

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## Disney World Internship



Our college advisor and program coordinator, Ms. Karen Case, has a passion for helping students find broadening experiences. She encourages and promotes travel and learning in other countries and cultures. She mentors and advises a number of international students. Karen has been working to place our students in advanced internships at Disney

World. She was excited when word came that senior biology major Jason Palmer was accepted into a six-month internship. Jason will graduate in May and begin at Disney World in June. Afterwards, he is considering graduate school at MTSU. Thanks, Karen. Congratulations, Jason!

## Mid Southeast ACM Conference

Computer Science faculty, staff and students made significant contributions to the management and technical programs of the Mid Southeast ACM Conference held in Gatlinburg. Mack Thweatt served as conference chair, and Chrisila Pettey was the program chair. Brenda Parker was a session chair; Richard Detmer, Cen Li and Medha Sarkar judged student presentations. Laboratory managers, Neal McClain and student Joshua Beard, provided

technical support. Five faculty (Cen Li, Richard Detmer, Suk Jai Seo, Sung Yoo and Jungsoon Yoo) and a student, Ryan Oberleitner (mentored by Jungsoon Yoo) made presentations at the conference. The conference was attended by 150 persons from seven states. This is wonderful publicity for MTSU. Thanks!



## Learning By Doing

Engineering Technology is *applied* engineering. Our ETIS students learn by doing. Several ETIS faculty do a great job of engaging students in real-world projects for companies. Don Beard's students prepare environmental safety reports for companies. The CIM students complete public service projects under the direction of Austin Cheney and Heather Brown. Ken Sergeant directs a team of students who build a solar bike each year. No

one ETIS faculty impacts more students than Saeed Foroudastan.



Dr. Foroudastan is directing three major teams who are building:

1. A moon buggy for a NASA competition.
2. A solar bike for competition in Topeka, Kansas.
3. A formula one SAE collegiate competition in Detroit.

What a great way for students to learn analysis, design, fabrication, construction, problem solving and teamwork.

Visit our newsletter web site to view all *The Basic Facts*' issues:

<http://www.mtsu.edu/~collbas/newsletters>



## The Basic B.E.S.T. (Boastful Educators Sharing Talents)

All departments are invited to submit items for this column

### Aerospace



Thanks to the NASA SAFER grant, students will soon be in flight training with the highest technology airplane possible.

### Agribusiness/Agriscience

The ABAS Farm Laboratories and Milk Processing Plant will be the featured article in *The Cooperator* for January 2004.

**Tim Redd** and **Danny Troup** attended the National Grazing Land Conference in Nashville in December 2003.

**Liz Troup, Tim Redd** and **Rachel Bealer** attended the Dairy Technology and Safety Workshop in Nashville.

### Biology

**Cindy Smith-Walters** was a speaker at the U.S. Fish and Wildlife Training Center in Shepherdstown, West Virginia.

### Chemistry

**Judith Iriarte-Gross** has been selected for the Office of the Ex-

ecutive Vice President and Provost Administrative Fellowship for the spring 2004 semester.

### Computer Science

**Joseph Driscoll** co-authored a book chapter entitled Classification of Gene Expression Data With Genetic Programming in Genetic Programming Theory and Practice.

**Brenda Parker** and **Chrisila Pettey** submitted an NSF proposal, "ITTOOLS: Instructional Technology Offerings to Optimize Learning in STEM," requesting \$1M.

### Engineering Technology/Industrial Studies

ETIS received \$2,000 for scholarships from an American Council for Construction Education and Hospital Corporation of America golf benefit.



### Mathematical Sciences

**Rong Luo** presented "On the Degree Sequences of Simple Graphs" in November.

### Military Science

Three cadets were commissioned in December.

Also during the month of December, Military Science participated in several community service programs.

### Nursing

**Anita Crockett** and two of her students teamed with Alpha Phi Alpha Fraternity to provide an educational program, "Project Alpha," at Riverdale High School. Project Alpha is a national collaborative project of the March of Dimes and Alpha Phi Alpha Fraternity, Inc. to reduce the rate of premature births through awareness and education.

**Lynn Parsons** was keynote speaker at a conference in Yankton, South Dakota.

**Judy Campbell, Janice Harris, Linda Covington** and **Karen Ward** attended the annual Tennessee Nurses Association.

**Judy Campbell** was selected as president-elect of District 15 Tennessee Nurses Association.

**Ken Edmisson** was recently recertified as a certified medi-

cal-surgical nurse through the American Nurses Credentialing Center.

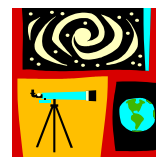
**Lynn Parsons** published "End of Life Issues: Renewed Meaning for Care of the Dying in America" in *Spinal Cord Injury Nursing*.

### Physics & Astronomy

**Eric Klumpe** and **Chuck Higgins** have been in the news discussing the Mars landing.

**Eric Klumpe** conducted a star party for a group of Cub Scouts at the MTSU observatory on January 6.

**William Robertson** presented "Biochemical Sensors Based on Surface Optical Waves in Photonic Band Gap Materials" at the University of the South.



The First Friday Star Parties will begin February 6 with a discussion of the Martian Landscape.

### CBAS

**Pam Holder** has been appointed to the Task Group on Development of an Electronic Repository for Nursing Education Research for the 2003-2005 biennium.

According to the EOY report on the CBAS web site, the following faculty made presentations in November or December 2003: **Heather Brown** (ETIS), **Anne Brzezicki** (ABAS), **Paul Craig** (AERO), **Jessica Gentry** (ABAS), **John Haffner** (ABAS), **Rhonda Hoffman** (ABAS), **Pam Holder** (CBAS), **Paul Lee** (PHYS), **Preston MacDougall** (CHEM), **Lynn Parsons** (NURS), **Pat Patterson** (CHEM), **William Robertson** (PHYS), **Pam Roesler** (NURS), **Cindi Smith-Walters** (BIOL) and **Linda Wofford** (NURS). Awards: **Heather Brown** (ABAS)

To post your activities or to view reports, please go to the web site at  
<http://www.mtsu.edu/~collbas/events/EOYReport.html>.