

ETIS Newsletter

Charity Auction for CIM

Submitted by Mr. Austin Cheney

Special points of interest:

- **Charity Auction for CIM**
- **Construction Students Top Ten**
- **New Faculty**
- **Scheduled Events**



The Concrete Industry Management (CIM) program Patrons held a special auction of donated new equipment. The auction was the main event the World of Concrete trade show in Las Vegas, NV on Thursday, January 19th, 2006. Nearly \$250,000 was garnered as seed money for use in developing drawings and a marketing package for a dedicated facility to house CIM. The materials

will be used to seek major donors for the building project.

The auction was graciously sponsored, advertised, and planned in conjunction with World of Concrete, Hanley Wood Publishers, and Ritchie Brothers Auctioneers. Without their tireless dedication and effort, this momentous endeavor would not have been possible.

Companies from across the United States and Canada participated as donors. Participants include: McNeilus, International Harvester, Somero Enterprises, Putzmeister, Holcim, Command Alkon, Soffcut International, Cemex USA, Stephens Manufacturing, C&W Manufacturing, Durafiber, Forta, James Instruments, Marion Brush Company, Mortar Net USA, North Safety Products, Superloads, Systech, Wacker, WAM, Cheng Design, Depiction Software, Bosch Power Tools and Acoustics, Argonics, American Society of Concrete Contractors, Ainsworth Engineered, Art Stamped Concrete, Coleman Cable, First Gear, IntegraSpec, and Oztec Industries.

200 people attended the auction, 116 registered to bid at the Show, and 66 registered to bid on-line. The buyers came from 18 US states and 2 Canadian Provinces. The event was such a rousing success that there is interest from the three partner organizations in sponsoring an annual auction to raise money for the CIM National Steering Committee. Thanks to everyone who participated!

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CONSTRUCTION STUDENTS IN TOP TEN NATION WIDE

Submitted by Dr. Hatfield



“The competition experience is what is important for all students.”

Middle Tennessee State University’s (MTSU) Construction Management Marathon representative team placed fifth out of forty-two teams at the Centex (Homes) National Association of Homebuilders (NAHB) Student Competition. The contest is a part of the National Home Builders show which was held January 10-11 in Orlando, Florida. The marathon representative team from the College of Basic and Applied Science and the Department of Engineering and Industrial Studies spent more than 200 hours over Christmas break developing a proposal. The problem was to develop a project proposal for Parkview at Addison Circle located in Addison, Texas, just north of Dallas.

Team members were Matthew Casteel, Greenville, North Carolina; Clinton Evers, Lawrenceburg; Matthew Fugate, Mt. Juliet; Lee Kendall, Jamestown; Chris Smith, Murfreesboro; Matt Sterling, Maryville.

The one hundred plus page document included market analysis, demographics, infrastructure layout, housing cost, building plans and a management approach for the project. The students presented it to a panel of six industry judges during the competition January 10th and 11th in Orlando, Florida. The international show was attended by 100,000 plus builders and associates from around the world.

Team Leader Matt Fugate said, “I’m very proud to be a part of the MTSU team. Finishing in fifth place puts MTSU up with the top construction management programs in the nation. This should give the Land Development/Residential Building Construction Program recognition that is long overdue from the school.”

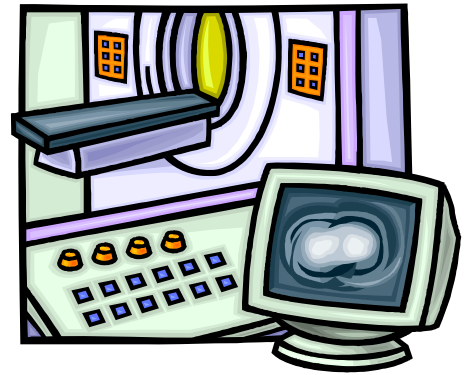
Walter Boles, Chairperson of the Engineering Technology and Industrial Department said, “The competition experience is what is important for all students. To participate fully and competitively brings rich and rewarding insights and capabilities. I am very proud of our students and student team. They performed very well in a hotly contested competition. Good Job!”

This was the fourth straight year that students competed in the fifteen-year-old contest. Last year MTSU finished in 4th place out of thirty-four teams.

News From Industrial Technology

Submitted by Mr. Gore

Two of these projects are at Middle Tennessee Medical Center (MTMC) and are led by graduate students. Hongjuan An (Tina) is leading the team trying to solve quality issues with Congestive Heart Failure (CHF) medication requirements for patients being discharged from the hospital. Students involved with this project are: Krishonda Cody (ETIS grad student), Meihua Gao (ETIS grad student), Jonathan Gray, and Mark Webb. The other project is headed by Xiaoli Meng (Tracy) and this team is working with Medication Reconciliation from patients' admission through their discharge to make sure the new standards for accuracy are achieved. Other students working on this project are: Brad Landtroop (grad student, Professional Science major), Derrick Shelton, Derrick Waggoner, and Robert Pearson.



Another team is picking up an ongoing project at Tridon, Inc., where hose clamps are made for the automotive industry. Quality issues involve clamp failure at the auto assembly plants. The team leader is graduating senior, Ian Campbell, who also did some AutoCAD documentation for Tridon. Team members include: Darin Frye, Matt Finger, Rob Stewart, and Michelle Huss.

A fourth team is working at General Mills to resolve a quality problem with food packaging. It's headed by Bill Boland who is also a General Mills employee. The other team member is Dean Sandefur.

Two teams worked on a Design of Experiments (DOE) project involving helicopter "models." One team was headed by Rami Amiri (ETIS grad student) with support from Jonathan Burkey. The other team consisted of ETIS students Eric Fortney, Eugene Siebert, and Jeremy Dawkins.

Upon successful completion of these projects, students will receive six sigma certifications as "Greenbelts." Project results will be covered in future newsletters.

New Faculty



Dr. Boraiko

I am a new resident of the Murfreesboro area, but I feel like I am returning home since I lived in Johnson City, TN for 10 years while I attended ETSU. I just moved from the Philadelphia area (Malvern for those of you that know the area). I am alone for now (just my cat), but by the time you read this, my husband (Jay) and dog (Mattie, a Dalmatian) will have joined me here. Jay is newly retired. Recently he worked for a small landscaping company (5 employees) and really enjoyed the hard work, being outdoors, and learning plants, building walls, laying walkways, the list goes on. Prior to being a landscaper, Jay worked over 30 years for a company that distributed magazines and periodicals. However, his schooling (and love) is geography. I am trying to get him interested in the Geography dept. here at

MTSU and their new museum.

In Philly, I worked for a chemical company, managing the corporate H&S group. The name of company is Arkema, which is owned by the French petroleum company called Total. I don't expect you to recognize them as they primarily make chemicals used by other chemical manufacturer (called intermediates), however, they do own Plexiglas and they make a refrigerant (not Freon though). My job involved traveling to all of their plants in North America and assisting with the implementation of their H&S programs and conducting training. I also went to France at least once a year to assist my French counterparts with starting their IH program (it was tough, but someone had to do it). I traveled a lot and it feels good to be in one place for 6 weeks at a time.

My education includes a BS from ETSU, a MPH (Masters in Public Health) from USF in Tampa, FL, and my PhD is from Temple U in Philly. Most of my PhD work was done in the Engineering College, but after I had done all of my class work, completed my research and wrote the 1st draft of my dissertation, my principle professor moved to the department of Health Studies, so that is what my diploma says. I must admit I was thrilled to think I was going to have an advanced degree in engineering. I told my husband that "I could take apart anything". Dispersed in the education stuff, I obtained certifications for the H&S field; I am a CIH (Certified Industrial Hygienist), CSP (Certified Safety Professional), and I have the EHS auditing certification. I am very active with ABET, the accrediting body, serving on the Executive Commission for ASAC.



Schedule of Events

- March 1-Faculty Meeting at 11:30 in the Alumni Building
- March 3-Dr. Boraiko's Birthday
- March 6-10-Spring Break
- March 15-Faculty Meeting at 11:30 in the Alumni Building
- March 17-St. Patrick's Day
- March 21-22-Academic Profile
- March 28-29-Major Field Test

New Faculty continued

Jay and I are currently renting a house near where Don Beard lives, and will be looking for a place to buy this year. If you know any area that has hills (we are partial to the mountains), water, and is not too far from campus, let me know. Our love for the mountains came from visiting the Johnson City, TN area to visit my friends and Jay fell in love with the mountains. Three years ago we bought a small farm (just land, no buildings) in Unicoi County, about 4 miles from the North Carolina border to build a retirement home.

To wrap up, I am thrilled to be able to pursue my love of academia and to be able to “give back” what I have learned working as an H&S professional.