

# School of Engineering

CHRISTIAN BROTHERS UNIVERSITY

## News - April 2000

### STUDENT NEWS

Christian Brothers University was well represented at the annual Southern Regional Conference of the American Institute of Chemical Engineers. This conference was hosted by the University of Kentucky in Lexington, April 6, 7, and 8. Representing CBU were the following chemical engineering students and their adviser, Dr. Robert Blanks: **Alicia Harris, Jennifer Mendler, Jim Dung Nguyen, Justin Cash, Andora Effendi, Ashish George, Dawn Simpson, Luis Tercero, Brooke Casey, Komal Shah, Linda Widjaja, and Tanya Henderson**. Nearly 400 students and faculty from 30 schools attended the conference. Attending universities included the SEC, the ACC, and such notables as Duke, Vanderbilt, UT Knoxville, Georgia Tech, Tulane, Florida. In the **student paper contest presentations Alicia Harris** of Christian Brothers took **First Place**, and **Jennifer Mendler** received **Honorable Mention**. Each school was allowed only three presenters. GO BUCS! Pictures taken at the conference can be viewed at <http://www.cbu.edu/Clubs/AICHE/pic/lex2000/>.



*ChE Students and Dr. Blanks*

Sixteen students from the student chapter of the American Society of Civil Engineers recently attended the Southeastern Regional Conference hosted by Tennessee Technological University: **Becky Bailey, Adam Bernard, Jessica Brown, Yothin Chaisingharn, Amanda Elzey, Wes Goodnight, Josh Graves, Melissa Johnson, Dennis Moultrie, Chris Owens, Andrew Parks, Richard Palumbo, Lori Poepsel, Tricia Raniszewski, and Luis Terrazas.** **Lori Poepsel** received a **Fourth Place** trophy in **Technical Paper Competition** for her presentation of her senior design project entitled "Surface Water Treatment System Design and Construction". **Tricia Raniszewski** and **Melissa Johnson** won a **Fourth Place** trophy in the **Environmental Competition**. CBU competed against twenty-two schools from the southeast region. Gene McGinnis (faculty advisor) accompanied the students. Dr. K. Madhavan was on his way to make a presentation at a conference in Virginia and dropped by to show support for the students. Dr. Siripong Malasri also dropped by to support the BUC concrete canoe team after finishing his visit to Vanderbilt and Tennessee Tech.

The mechanical engineering students also did very well at this year's ASME Regional XI Student Conference. **Amanda Stanford** earned **1st Place** in the **Old Guard Poster Competition**. **Weldon Marsh** won **1st Place** in the **Old Guard Oral Presentation Competition** and will be representing Region XI at the national conference in Orlando this November. **Jeremiah Davis** won **4th Place** in the **Old Guard Oral Presentation**. The CBU ASME Student Chapter also received a **\$100 check** for **having the highest percentage attendance** at the conference. The ME students who attended the conference were: **Don Brown, Jeremiah Davis, Alisa Harvey, Kim Howell, Ed Hug, Theresa Humphrey, Ed Hurt, Oliver Lam, Weldon Marsh, Larry Martin, Amanda Stanford, and Dave Wheat.** Dr. Bernard Beard, the chapter faculty advisor, went along with the group.

Congratulations to **Maria Teresa Blanco** (ECE), **Jarred Drewry** (ChE), **Carrie Mills** (ME), **Alexander Weddle** (ChE), and **Linda Widjaja** (ChE) for being inducted as a member of the Tennessee Theta Chapter of Alpha Chi on Sunday, April 9, 2000. Alpha Chi is a National Honor Scholarship Society who recognizes academic excellence and exemplary character among college and university students in all academic disciplines.

**Robert Hartelust, Katie Baxter, Thomas Malone, and Teretha Blackburn** from the Mechanical Engineering Department designed a moon buggy. They entered a NASA-sponsored race in Huntsville, Alabama in early April competing with 27 other teams. This is the

first time CBU has entered this competition, and the team learned a lot from it. Improvement plans are under way for next year's competition. The CBU moon buggy will be displayed in Nolan later this semester. For more information on the moon buggy, check out <http://www.cbu.edu/~tmalone/moon.html>. Dr. Paul Shiue is the faculty advisor for this project and accompanied the team to Huntsville.



*CBU Moon Buggy Under Construction*

The election results for the CBU IEEE Student chapter officers for the 2000-2001 year have been counted. There was a close tie for every position. The results are: **Johan Reimann** (Chair), **Maria Teresa Blanco** (Vice-Chair), **David Semrau** (Secretary), and **Chris Vick** (Treasurer). Congratulations to the new officers!

Congratulations to **Thomas Malone** (ME senior). He was accepted for a GEM Fellowship sponsored by Ford Motor Company Powertrain Division. Thomas will work as an intern for them this summer.

Congratulations to **Jodi Walker** (ME freshmen). She received an internship offer from Motorola in Fort Lauderdale, Florida.

## ALUMNI NEWS

Congratulations to the following local engineering alumni who passed the PE exam given in October 1999: **Sean T. Friend** (CE), **Jeffrey M. Hude** (ChE), **Leo Ole** (ChE), **Kevin H. Raney** (ME), **Jeffrey A. Talley** (ME), and **Michael Tooley** (ME).

**Jeff Collins** (CE'90) is now a project engineer for Barnhart Crane and Rigging Co. in Memphis. His responsibilities lie in the area of the design of heavy rigging and heavy transportation equipment.

**Julio Melendez** (CE'98) is currently with Klieger Engineering, a structural engineering firm in Hollywood, Florida. The firm specializes in high-rise buildings and restoration of old buildings.

**Stephen R. Muench** (CE '68) has recently joined Camp Dresser & McKee, Inc., in its Cambridge office as senior aviation planner. Camp Dresser & McKee is a global, full-service consulting, engineering, construction, and operations firm helping public and private clients improve the environment and infrastructure. Stephen's past experience includes executive director of a state aviation agency, a state aviation planner, an environmental reviewer, chief operating officer for a fixed-base operator, and manager of worldwide operations for an aviation fuel sales firm. Mr. Muench is a member of Airports Council International and American Association of Airport Executives, and is a past regional director for the National Association of State Aviation Officials.

**Tim Verner** (CE '84) and **Richard Gafford** (CE '81) were recently named partners of Fisher & Arnold, Inc. Tim has been with F&A since 1985 and Richard since 1986. They will assist the firm with overall management and marketing responsibilities under the new ownership structure. Fisher & Arnold started primarily as a civil engineering firm in 1985 but has grown into the fourth largest engineering firm and the 12th largest architectural firm. The company has 110 full-time employees, including 27 licensed engineers and six licensed architects. It also has offices in Jonesboro, Arkansas and Nashville, Tennessee.

**Greg Emerick** (ME '97) was recently promoted to Senior Engineer at Cummins Engines in Columbus, Indiana. He visited campus on March 30, 2000 and spoke to Dr. Ray Brown's Internal Combustion class.

## FACULTY NEWS

**Dr. Paul Shiue** (Mechanical Engineering) was in Nashville on March 22 for a MAMP meeting and a meeting with the Memphis and Shelby County delegates. He is the director of the MAMP program at CBU. More information about the MAMP program can be found at <http://www.cbu.edu/~mamp>.

**Dr. K. Madhavan** (Civil & Environmental Engineering Department) presented a paper entitled "Effectiveness of a Capstone Design Course" at the American Society of Engineering Education - Southeast (ASEE-SE) annual conference on April 4, 2000, at Roanoke, VA. **Dr. Siripong Malasri** (Dean of Engineering) coauthored the paper (in an extended abstract format).

## MAESC 2000

The 2nd Annual Memphis Area Engineering Conference is in its final stage of preparation. [Forty-five technical presentations](#) have been scheduled for May 11, 2000. The conference will start with a plenary session entitled "Journey to Excellence" by R. Howard Locke from MLGW. It will conclude with a panel discussion entitled "Current Issues in Professional Registration and Legislature." Panelists are Barbara Bowling of the TN State Board of Architectural and Engineering Examiners, Tom Needham of TSPE/CET Blue Ribbon Committee, and David Bennett of Shelby County Government.



Additional information can be found at <http://www.cbu.edu/engineering/maesc>. Send in your registration by May 4, 2000, and save. A registration form can be printed from <http://www.cbu.edu/engineering/maesc/regis.html>.

Attention CBU Alumni! Don't forget to take 20% off the listed registration fee. It pays to be a member of the CBU family!

If you have questions about MAESC 2000, please contact:

- General: Dr. Neal Jackson ([njackson@cbu.edu](mailto:njackson@cbu.edu))
- Technical Program: Dr. L. Yu Lin ([llin@cbu.edu](mailto:llin@cbu.edu))
- Exhibits: Dr. K. Madhavan ([kmadhava@cbu.edu](mailto:kmadhava@cbu.edu))
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