

School of Engineering

CHRISTIAN BROTHERS UNIVERSITY

News - March 2002

PROFILE

Engineering Management Graduate Program

For thirteen years the Master of Engineering Management (MEM) program has demonstrated the traditional quality long associated with the School of Engineering. Our core values are: academic excellence, student - driven quality, mutual respect and trust among students, faculty and staff, fact - based program management, and continuous improvement. CBU faculty from engineering, business, social sciences and adjunct faculty from business and industry are committed to meeting the academic needs of a diverse student population. In a recent survey, the majority of students selected the MEM program because of its alignment with their career objectives. Most students became aware of the program through MEM alumni or current students.

The Master of Engineering Management builds upon bachelor degree preparation in engineering disciplines; other technical programs such as physics, chemistry; and quantitative management. The purpose of the MEM program is to prepare individuals to successfully address supervisory and managerial needs in a technological environment. The engineering manager's role is viewed as the link between management and technical expertise and involves matching resources in uncoordinated areas, working through people, and simultaneously formulating technical strategies. This unique program has been developed for practicing engineers and other technical professionals who have relevant work experience and who expect to move up to the management ladder to take an increasingly active part in the organizational decision - making process.

Courses are offered weekday evenings throughout the year. Each class meets one night a week for 15 weeks. This format supports a student's goal of completing all course work within two years. For more information about the MEM program see our web site at



www.cbu.edu/memp or call (901) 321 - 3283. The Master of Engineering Program, "the Making of Engineering Executives."

ENGINEERING EXCELLENCE AWARDS PROJECT POSTERS EXHIBIT

The School of Engineering at Christian Brothers University and the Consulting Engineers of Tennessee cordially invite practicing engineers, engineering students, and engineering faculty to the 2002 Engineering Excellence Awards Project Posters Exhibit. The exhibit will be on the 3rd floor of the Plough Library, CBU, from April 1-12, 2002. Library hours are 7:45 a.m. - 11:00 p.m. on Monday to Thursday, 12:00 noon - 4:00 p.m. on Saturday, and 2:00 p.m. - 11:00 p.m. on Sunday.

Each year the Consultant Engineers of Tennessee sponsors the Engineering Excellence Award. This year there were 14 projects entered for the competition. The winners will be announced and recognized in Nashville on March 26. The exhibit at CBU will be from April 1-12. The fourteen projects are:

- Center Hill Dam Break and GIS Analysis - *AMEC*
- Shoreline Erosion Control With Stealth Stabilization - *AMEC Earth & Environmental*
- New Keys for an Old Lock: Chickamauga Lock Overcore Testing and Instrument - *ARCADIS Geraghty & Miller, Inc.*
- Replacement of the Coarse Bar Screen at the M. C. Stiles Wastewater Treatment Plant, Memphis, TN - *Consoer Townsend Envirodyne Engineers*
- Mine Spoils as an Alternative Capping Material for Sanitary Landfill Closure, Grundy County, TN - *EnSafe, Inc.*
- Fairview 2020 Comprehensive Plan - *Graham, Smith and Partners*
- Nashville Superspeedway - *HNTB Corporation*
- Music Row Roundabout, Nashville, TN - *Littlejohn Engineering Associates*
- Theragenics Corporation New Isotope Production Facility - *Lockwood Greene Engineers*
- Automated Collision Database - *Neel-Schaffer, Inc.*
- Concrete Reclaiming Center, Johnson City, TN - *Tysinger, Hampton & Partners*
- Frist Center for the Visual Arts - *I. C. Thomasson Associates, Inc.*
- Rapid Terrain Analysis Module - *K. S. Ware & Associates*
- James White Parkway, Knoxville, TN - *Wilbur Smith & Associates*



Don't miss the opportunity to see these excellent projects. It is FREE!

CBU SCHOOL OF ENGINEERING GOLF TOURNAMENT

You are cordially invited to participate in the 1st Annual CBU School of Engineering Golf Tournament to be held April 15, 2002. Join engineering students, alumni, corporate partners, and faculty for an afternoon of golf, relaxation, and networking at the Arnold Palmer-designed Memphis National Golf Club Champions Course, Memphis National Golf Club, 10135 National Club Drive, Collierville, TN 38017.

Tournament Schedule:

- 12:15 p.m. - 1:00 p.m. Practice tee times
- 1:00 p.m. Shotgun start
- 5:30 p.m. Deli buffet, door prizes, and announcement of winners

Cost: Foursome Sponsorship at \$300 (team of four)

Signup: Send the following information along with a \$300 check made payable to CBU to

School of Engineering
Golf Tournament
Box 104
Christian Brothers University
650 East Parkway South
Memphis, TN 38104



If you cannot attend, you can sponsor a student for \$75.

Name _____

Address _____

City _____ State _____ Zip _____

Phone (day) _____ (evening) _____

E-mail address _____

Names of team members:

1. _____

2. _____

3. _____

4. _____

I want to sponsor ____ students @\$75 each.

STUDENT NEWS



Jason Deweber

Jason Deweber (CE'02), a CEE senior, was recognized as the 2002 School of Engineering Featured Engineering Student. Jason plans to graduate this May. His current GPA is 3.8 and he has been on the Dean's List. He is a member of Alpha Chi National Honor Society and of Tau Beta Pi Engineering Honor Society. Jason has been very active with various engineering student chapters, including Treasurer for ASCE and Secretary for Tau Beta Pi. He won 1st Place (2001) and 2nd Place (2000) in the Jeopardy competition given annually at the Tennessee Section of ASCE. Last summer, he attended National Institute for the Advancement of Transportation Technology "Traffic Signal Summer Camp" at the University of Idaho. Jason has interned with Kimley-Horn & Associates, Inc., since 1999. His supervisor at the firm said, "Over the last 28 years, I have had the pleasure of knowing and working with hundreds of engineering students. Many of these students have gone on to become successful in business and leaders in our community and other communities across the country. Of all of these students, I can think of no one that has been able to successfully balance his academic, personal and professional life any better than this very special young man." In addition to all the above, Jason is a loving father and husband. Congratulations!

ALUMNI NEWS



Bobby Fisher (left) at the 2002 Engineers Week Banquet

The Memphis Chapter of Tennessee Society of Professional Engineers recognized **Bobby Fisher** (CE'70) by presenting him the 2002 TSPE Distinguished Service Award at the Memphis Engineers Week Banquet on February 21st. Mr. Fisher is the president of Fisher & Arnold, Inc., a Memphis-based multidisciplinary Engineering/Architectural Firm. He received a B.S. in Civil Engineering from Christian Brothers University in 1970 and a Master of Science in Engineering from Mississippi State

University in 1973. He has served in various positions for the Memphis & Shelby County Health Department, including Chief of the Sanitary Engineering Branch. Later he was a partner of Chaney-Fisher Engineering, County Engineer and Public Works Director for Shelby County, and Principle of EMPE, Inc. Mr. Fisher has served on the Advisory Boards for the Department of Civil & Environmental Engineering and for the School of Engineering at Christian Brothers University. He has also served on the Board of Directors of St. Peter Villa and on many church committees. He served as a member and chair of the Tennessee Board of Architectural and Engineering Examiners from 1997 to 2001. He received the Outstanding Civil Engineering Alumnus Award and the Distinguished Alumnus Award from CBU in 1993 and 2000, respectively.

Also at the Memphis Engineers Week Banquet, **Laura Pearson-Bran** (ME'90) was also named the 2002 TSPE Outstanding Young Engineer. After her graduation from CBU in 1990, Laura continued her education at University of Notre Dame and received her M.



S. in Mechanical Engineering in 1992. She spent the following year as a researcher at NATO-sponsored research institute, Von Karman Institute for Fluid Dynamics, in Brussels, Belgium. Currently, Laura is with the Memphis office of EnSafe, Inc. Since 1994, she has worked on various environmental investigations and remedial actions at Navy installations as part of the Comprehensive Long-Term Environmental Action Navy (CLEAN) program. She has also worked as a design engineer for the Resource Conservation and Recovery Act (RCRA) closure of two Navy landfills, and performed Environmental Baseline Surveys and RCRA Facility Assessments at several Navy facilities. In addition, Laura has researched the dispersion of airborne pollutants and has performed air pollution modeling. Besides her professional activities, she has been very active with the Memphis Chapter of the Tennessee Society of Professional Engineers. She served as its vice president in 1998-2000, secretary in 1997-1998, member of the board of directors since 1996. Over the years, she has been a volunteer for Mathcounts. Congratulations, Laura!

Congratulations to **Tim Gibson** (CE'91) for being recognized as Featured Engineer by the West Tennessee Branch of the American Society of Civil Engineers. Tim served as the branch president during 2000-2001.

Thanks to **Paul Babin** (EE'82), **Brandon Cartwright** (EE'01),

Dick Gadomski (ChE'62), **Jeff Old** (CE'94), and **Lori Poepfel** (CE'00) for volunteering to call accepted engineering students on March 4th and 5th. High school students benefit greatly from hearing engineering from practicing engineers.

Congratulations to **Eddie Belk** (CE'84, MEM'91) for his recent promotion. Eddie is the Deputy District Engineer for Project Management, a GS-15 position. This position is the highest rank civilian for the Memphis District, Corps of Engineers. He reports directly to Colonel Jack Scherer, the District Engineer. He is the youngest to ever serve in this capacity in the Memphis District.



Michael LaMountain (EE'00) has recently started his electrical design/build contracting business in Memphis under the name Memphis Building Arts (<http://www.memphisbuildingarts.com/>). His education at Christian Brothers has fortified his more than ten years experience in the field to find creative solutions. His Tennessee State Master Electrician license with Fire Alarm Certification allows him to install

lighting, power, communications and fire alarm systems in all construction settings. As a small startup, his firm is very flexible. Michael said recently, *"I get a variety of work, some of it challenging, mostly very basic, but the freedom allows me to pursue a Masters Degree and eventually, Professional Registration."*

Matt Locke (CE'95) has recently made a career change. He is now the Director of Site Civil Engineering Division of TRC International, Ltd., in Brentwood, TN. The company has been around since 1971, primarily doing structural design work including precast concrete design, steel detailing as well as providing information technology services. TRC hired Matt to start the division in an effort to provide the full range of services to the growing structural client base. Matt is a registered professional engineer in Tennessee and Texas.

Congratulations to **Elise (Boczek) Ibendahl** (CE'97) for being a new registered professional engineer in Missouri. Elise is currently employed at CH2M Hill in St. Louis as a water resources engineer. Current projects include developing a stormwater management plan for Jefferson County, Missouri, various GIS projects, hydraulic modeling, and drainage study and design for airports and

highways. Elise and her husband, Stephen, are expecting their first baby on July 16!

Congratulations to **Spence Cousar** (ChE '97) for having another baby. Blake Oliver Cousar was born at 12:10 p.m. on Saturday, March 16th. He weighed 7 lb 5 oz and was 21" long at birth.

FACULTY/STAFF NEWS



Roland Raffanti

Roland Raffanti was named our 2002 Featured Engineer. He was recognized at the Engineers Week Kick-off Luncheon on February 18th. This is unusual but very appropriate. The recognition has been primarily for engineering faculty. However, as the mechanical technician, Roland has supervised many students. Students have learned a lot from him. Roland joined CBU in 1986 after 25 years in industry as a lab technician and draftsman at Memphis State University, William R. Moore School of Technology, Test Inc., Geo Testing Lab, Clark Dietz & Painter, and Harland, Bartholomew & Associates. Congratulations!

In February, **Gene McGinnis**, Chairman of the Department of Civil and Environmental Engineering attended the Academic Chairpersons Conference in Orlando, Florida. The week long conference was sponsored by Kansas State University and allowed academic chairpersons, administrators, and faculty from all areas of higher education to share the most successful, innovative ideas and strategies to assist each other in becoming more effective in their positions.

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