

# School of Engineering

CHRISTIAN BROTHERS UNIVERSITY

## News - March 2000

### **ANOTHER GROUP OF THE BEST & THE BRIGHTEST**

Congratulations to the following engineering students who were recognized at the Scholarship Luncheon on January 27, 2000:



- **Erick Aertker** (ECE) - Cargill Inc. Endowed Scholarship in Engineering
- **Stephen Avanzi** (ECE) - Jules Rozier Memorial Scholarship
- **Rebecca Bailey** (CEE) - The Pickering Firm Scholarship
- **Kathryn Baxter** (ME) - The Charles A. Frueauff Foundation Scholarship
- **Edward Bills** (ECE) - Tri-State Armature & Electric Scholarship
- **Lucio Blanco** (ME) - Mr. and Mrs. Roland Brenninkmeyer Scholarship in Engineering
- **Maria-Teresa Blanco** (ECE) - The Charles A. Frueauff Foundation Scholarship
- **Ronnie Bolden** (ChE) - Promus Hotel Corporation Scholarship
- **Justin Brownlee** (ME) - First American National Bank
- **Mary Buford** (ME) - Mr. and Mrs. Hal Fowler Scholarship in Memory of Margaret McKinney
- **Amanda Buss** (ME) - The Lettie Pate Whitehead Foundation Scholarship
- **Brandon Cartwright** (ECE) - Mr. Mike Hefferman Scholarship
- **Jennifer Casey** (ChE) - John (Mickey) Boshers Memorial Endowed Scholarship
- **Justin Cash** (ChE) - Katherine G. McEniry Memorial Scholarship
- **Heather Coburn** (ChE) - The Charles A. Frueauff Foundation Scholarship
- **Jarred Drewry** (ChE) - PSI Process Systems, Inc. Scholarship in Chemical Engineering
- **Douglas Erskine** (ECE) - Mr. Lance Forsdick Scholarship
- **Paolo Fonda** (CEE) - Reginald Wurzburg Foundation Scholarship



- **Teresa Fuller** (ECE) - Friend of CBU Endowed Scholarship
- **John Fuss** (ChE) - Brother Phillip Morgan Endowed Scholarship in Engineering
- **Jose Geraldo Garcia** (ECE) - Mrs. Mertie W. Buckman Scholarship
- **Danielle Guerre** (ME) - Estate of Mr. Morrie A. Moss Scholarship
- **Debra Helms** (ECE) - Mr. and Mrs. Patrick Huels Scholarship
- **Tanya Henderson** (ChE) - PSI Process Systems, Inc. Scholarship in Women in Engineering



- **Joshua Herndon** (ECE) - Mr. and Mrs. Roland Brenninkmeyer Scholarship in Engineering
- **Justin Ivancic** (ME) - Kevin Joseph Barth Endowed Scholarship in Engineering
- **Brian King** (ECE) - Estate of Mr. Morrie A. Moss Scholarship
- **Yin Lam** (ME) - Dr. and Mrs. Art Sutherland Scholarship
- **Lisa Lavie** (ECE) - The Lettie Pate Whitehead Foundation Scholarship
- **Tina Le** (CEE) - Ann Glankler Longionotti Endowed Scholarship



- **Nathan Luce** (CEE) - Mrs. John W. Montesi, Sr. Scholarship
- **Eric Luna** (ChE) - Mr. and Mrs. Roland Brenninkmeyer Scholarship in Engineering
- **John Luttrell** (ECE) - Mr. and Mrs. Kevin Dunnigan Scholarship
- **Thomas Malone** (ME) - The Charles A. Frueauff Foundation Scholarship
- **Garrett Martin** (ME) - Mr. James P. Matthews Scholarship
- **Michael McClung** (ECE) - Mrs. Ronnie Jarboe Scholarship in Memory of Dr. Edward Jarboe



- **Dena McFerrin** (ChE) - Mr. and Mrs. Richard Gadomski Scholarship
- **Michael McLemore** (ME) - Kristi and Dean Jernigan Scholarship
- **Michael McLemore** (ME) - Mrs. Mertie W. Buckman Scholarship
- **Jennifer Mandler** (ChE) - Mr. and Mrs. Charles H. Cotros Scholarship
- **Carrie Mills** (ME) - The Hyde Family Foundation Scholarship
- **Nicholas Montgomery** (ChE) - Mr. and Mrs. Harry Phillips Scholarship
- **Kerry Moskal** (CEE) - Mr. and Mrs. Richard Gadomski Scholarship
- **Dennis Moultrie** (CEE) - Mr. and Mrs. Jim Carson Scholarship in Engineering
- **Matthew Osborne** (ECE) - Col. and Mrs. James L. Fisher



- Scholarship
- **Robert Owen** (CEE) - Mr. and Mrs. Henry Turley Jr. Scholarship
- **Lori Poepsel** (CEE) - The Charles A. Frueauff Foundation Scholarship
- **Reginald Richard** (ECE) - Henry and Jeanne T. Varnell Scholarship
- **Arthur Robbins** (ECE) - George & Bena Cates Scholarship
- **Eric Satterthwaite** (ECE) - BellSouth Scholarship
- **Zachary Scott** (ChE) - Mr. and Mrs. Jim Carson Scholarship in Engineering
- **Amanda Stanford** (ME) - Moses and Julia Plough Memorial Scholarship
- **Charles Stevens** (ME) - Mr. and Mrs. Brian Splan Scholarship
- **David Swaney** (ECE) - Mr. Richard A Trippeer, Jr. Scholarship
- **Robert Taylor** (CEE) - Mr. Winn Stephenson Scholarship
- **Lena Thieu** (ECE) - Mrs. Thomas P. Manigan Scholarship
- **William Tung** (ECE) - Promus Hotel Corporation Scholarship
- **Nicola Tutko** (ECE) - Mrs. John W. Montesi, Sr. Scholarship
- **Sergio Vergara-Reyes** (ME) - PSI Process Systems, Inc. Scholarship for Minorities in Engineering
- **John Walsh** (ECE) - Mr. and Mrs. Robert Solmson Scholarship
- **Andrea Webster** (ME) - Mr. and Mrs. Roland Brenninkmeyer Scholarship in Engineering
- **Ariel Wessel** (ECE) - Estate of Mr. Morrie A. Moss Scholarship
- **William Wheat** (ME) - Brother Theodore Drahmann Endowed Scholarship
- **Jared Whitby** (ECE) - Jules Rozier Memorial Scholarship
- **Jason Williams** (ECE) - Mr. and Mrs. Philip U. Pierini Scholarship
- **Justin Willoughby** (Unspecified) - Mr. and Mrs. John W. Wiedemann Scholarship
- **Anthony York** (ME) - Bob Bird Scholarship



Academic scholarships help the university continue the Brothers' mission of providing a quality education to deserving students. We are grateful for the generosity of individuals, families, corporations, and private foundations who aid in this goal. Thank you for being a part of CBU's success.

## **GRADUATE ENGINEERING CERTIFICATE PROGRAM**

To better meet the needs of the engineering/technical community, Graduate Engineering at Christian Brothers University is now offering certificates in **Information Technology** and **Construction Management**. The School of Engineering awards certificates for the completion of three courses (9 credit hours) in one of these two areas.

### **Benefits:**



- Expand knowledge to improve job performance and increase the opportunities for advancement
- Recognition for completion of the requirements of a graduate-level certificate program
- Receive up to 45 professional development hours (PDH's) per course
- Courses taken may be applied toward completion of the Master of Engineering Management degree

### **Admission Requirements:**

- Graduate of an ABET accredited undergraduate program
- Have a 3.0 grade point average in your undergraduate major
- Have a minimum of three years professional work experience

### **Application Requirements:**

- Completed application
- Essay/personal statement
- Official transcripts from all colleges/universities attended
- Two letters of recommendation
- \$25 application fee

### **Courses:**

- **Construction Management**
  - ENGM 611 Construction Estimation
  - ENGM 612 Project Planning and Scheduling
  - ENGM 613 Construction Equipment and Methods
  - ENGM 614 Construction Failures
  - ENGM 615 Special Topics in Construction Engineering and Management
- **Information Technology**
  - ENGM 606 Computer Applications
  - ENGM 624 Knowledge Engineering

- ENGM 636 Computer Networks
- ENGM 637 File and Database Management

For more information, please contact **Dr. Neal Jackson**, MEM Program Director, at (901) 321-3283 or [njackson@cbu.edu](mailto:njackson@cbu.edu).

## FEATURED ENGINEERS & ENGINEERING STUDENTS

Each year in February, engineers across the U.S. celebrate National Engineers Week. As part of our local celebration, various engineering societies and engineering schools recognize one of their best. The recognition of "Featured Engineer" has become a tradition of the Memphis engineering community. This year, the following members of our CBU Engineering were recognized:



- **Alex Weddle** was recognized as Featured ChE Student by the CBU ChE Department
- **Patricia Raniszewski** was recognized as Featured CEE Student by the CBU CEE Department
- **Andy Lemmon** was recognized as Featured ECE Student by the CBU ECE Department
- **Kimberly Marie Howell** was recognized as Featured ME Student by the CBU ME Department
- **Patricia Raniszewski** (CEE Senior) was recognized as Featured Engineering Student by the CBU School of Engineering
- **Dr. Juan Carlos Olabe** (ECE Interim Department Chair) was recognized as Featured Engineering Faculty by the CBU School of Engineering
- **Dr. Siripong Malasri** (Dean of Engineering) was recognized as Featured Engineer by the Memphis Chapter of the Tennessee Society of Professional Engineers (TSPE)
- **Art Eberle** (ChE '82) was recognized as Featured Engineer by the Mid-South Section of the American Institute of Chemical Engineers (AIChE)
- **Jeff Arnold** (CE '78) was recognized as Featured Engineer by the Memphis Chapter of the Consulting Engineers of Tennessee (CET)

Congratulations!

## STUDENT NEWS

Thanks to **Ariel Wessel** and **Michael LaMountain** (both from the ECE Department) for helping at the Mathcounts competition on February 5, 2000. Mathcounts is a math competition for 8th and 9th graders. The Memphis Chapter of the Tennessee Society of Professional Engineers hosts the local competition every year. Winners progress to the state and national level.

**Gene McGinnis** (Chair of the CEE Dept.), **Rob Hartelust**, **Thomas Malone**, and **Pasiri Charusalaipong** (ME students) presented a CAD demonstration using ProEngineer to a group of cub scouts from St. Louis Elementary School.

**Brooke Casey** (ChE major) manned the CBU table at the MJEC Student Contest on February 19 at State Technical Institute. The Memphis Joint Engineers Council organized the event for students from junior and senior high schools. Thanks!

## ALUMNI NEWS

Congratulations to **Leo Old**, P.E. (ChE '93) for passing the PE exam given in October 1999. Leo is General Safety Officer at St. Jude Children's Research Hospital.

Many thanks to the following engineering alumni for making contact with incoming engineering freshmen: **Jessica Becker** (ME '93), **Jeff Shea** (ME' 85), **Paul Babin** (EE '82), and **Andy Foster** (EE '81), and **Leo Old** (ChE' 93).

**Jeremy Acosta** (ChE'99) is working with Penford Products in Cedar Rapids, Iowa. **Stuart See** (ChE'99) is with 3M in Singapore.

Congratulations to **Carol Jones** (CE '82 & MEM '93) for being recognized as the 2000 CBU Black Student Association Outstanding Alumnus. The award ceremony was held on February 10, 2000, in Spain Auditorium. The award was established by the Black Student Association and the Office of Cross Cultural and Commuter Programs and Services in February 1999. Individuals are nominated by CBU's African-American Alumni, members of the Black Student Association, deans of individual schools, the Alumni Director, and the Director of Cross Cultural and Commuter Programs and Services. Recipients are selected based on their notable achievements in life, contributions made to his or her profession, significant contributions to CBU, and contributions to society through public service or church activities. Carol is currently a Senior Chief Engineer at the U.S. Army Corps of Engineers. Other professional positions with the Corps include Project Manager, Hydraulics Engineer, Structural Engineer, and Engineer Trainee. She has received many other recognitions



*Carol Jones*

including: Outstanding Engineer Award by the Memphis Joint Engineers Council, District Team Award for Value Engineering Suggestion from the Corps of Engineers, Alumni Member of the Year from the National Society of Black Engineers. Carol has also been involved with many activities including: member of the Legislative Board for the Memphis Chapter of the Society of Professional Engineers, President of the Mid-South Alumni Chapter of the National Society of Black Engineers, Vice Chairperson of the Memphis Joint Engineers Council, and member of the Memphis City Schools Leadership Council.

**Jessica Luttrell** (CE '96), daughter of **Dr. Henry Luttrell** (ChE Professor) was named "Young Engineer of the Year" from the Memphis Chapter of the Tennessee Societies of Professional Engineers (TSPE). While she was a student at CBU, Jessica was the first female president of the ASCE Student Chapter at CBU. Jessica has worked on many projects for Buchart-Horn, Inc. She began work with the firm before graduating, and she still managed to maintain a high scholastic standing. She was a member of Tau Beta Pi. Jessica has had extensive work experience. She gained a reputation as a "clean-up" engineer since she took over projects left incomplete by engineers who had moved on to other positions. She gained this reputation through her abilities to learn and apply this knowledge to incomplete projects. Her ability to decipher partially completed plans and produce a complete and comprehensive design shows her intelligence, patience, and engineering skill. Most recently, Jessica has been working on flood control projects for the City of Germantown. One of these projects includes reconstruction of approximately 2 miles of a concrete-lined channel to alleviate flooding. She is also working on a project that entails detention of storm water and rerouting of storm water to reduce flooding that presently affects several subdivisions. She has analyzed several scenarios to alleviate flooding in this area and prepared materials for the City of Germantown officials to review. Jessica has worked on the drainage projects mentioned above. She also has extensive experience designing roadway improvements for city streets and highways. Jessica always accepts projects with enthusiasm. Her demeanor boosts morale at Buchart-Horn and reflects her enjoyment of her job. Congratulations!

## FACULTY NEWS



*Gene McGinnis*

**Denise Roberts** (ME Dept.) and **Gene McGinnis** (CEE Dept. Chair) served as judges for the 6th, 7th and 8th grade science fair at St. Louis Elementary School.

The Memphis Organization of Science Teachers had a conference, "Unity in Science," at CBU on February 12, 2000. The conference focused on standards reform, teacher pedagogy, teaching content, classroom technology. About 325 science teachers from Memphis City Schools, Shelby County Schools, and Memphis Area Independent Schools attended the conference. Br. Stan Sobczyk (President) gave the opening welcome speech. Dr. Trey Brown (Biology Dept.) presented "Integrating Environmental Science into Science Curriculum." **Dr. L. Yu Lin** (CEE Dept.) was the campus coordinator for this conference.



**John Ventura** (ECE) and **Dr. Siripong Malasri** (Dean) volunteered at this year's Mathcounts competition. **John Ventura** and **Dr. Bob Blanks** (ChE) served as judges at the MJEC Student Contest on February 19, 2000. Both Mathcounts and MJEC Student Contest are part of the local Engineers Week activities.



*Dr. Eric Welch*

**Denise Roberts** (ME Dept.), **Dr. Eric Welch** (ECE Dept.), **Gene McGinnis** (CEE Dept.), **Summer Hamilton** (Admissions), and **Dr. Siripong Malasri** (Dean) talked to a group of students at St. Benedict's High School on February 24 about various fields of engineering. **Dr. Siripong Malasri** (Dean) attended the National Steel Construction Conference in Las Vegas in February. The Southern Steel Fabricators Association sponsored the trip.

## QUALITY PRACTICES SEMINAR



CBU Engineering will host the "Quality Practices" seminar on March 29, 2000, 8:00 a.m. - 12 noon, N 235, Nolan Engineering Center, CBU. The seminar will give an overview of the Malcolm Baldrige Criteria for Performance Excellence. The Criteria provides a valuable framework to help organizations of any size or type to assess and measure performance on a wide range of indicators: customer, product and service, operational, human resources, and financial. The seminar leaders are **Marcia Boyd** of Shelby County Government, **Jim Lippy** of the Greater Memphis Association for Quality, and **Jean Ward-Jones** who is a consultant and a former Baldrige Examiner. They will present a brief review of the seven categories: leadership, strategic planning, customer and market focus, information and analysis, human resource focus, process management, and business results. The fee is \$100/person if registered by March 23. For more information and registration form, please check the web site at: <http://www.cbu.edu/>

[engineering/profdev](#) or contact Dr. Siripong Malasri at [pong@cbu.edu](mailto:pong@cbu.edu) or (901) 321-3419.

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