

School of Engineering

CHRISTIAN BROTHERS UNIVERSITY

News - May 2003

BENILDE RENOVATION PROJECT UPDATES

Thanks to *John D. Hynes & Associates, Inc.* (Salisbury, MD) for their recent \$2,500 donation towards the renovation cost of the building.

Renovation of the Benilde engineering lab building is going well and fast. Don't forget to check out the construction progress online at <http://www.cbu.edu/engineering/Benilde/>.

If you are interested in naming a lab after your company in the renovated Benilde Hall, please contact Dr. Siripong Malasri (Dean) at pong@cbu.edu or (901) 321-3419.



STUDENT NEWS

Again this semester, the students of ECE 112: Computer Engineering Problem Solving participated in a class battleship programming competition. Each student was required to write a Java Web applet that would act as his/her brain in the game of battleship. The students then used their programs to play the game in a double elimination tournament. Details of the competition and links of the winners' websites can be found at <http://www.cbu.edu/~jmcgrory/ECE112.html>. Congratulations to **Josh Dove** (1st place), **Chun Chan** (2nd place), **Amanda Alsbrook** (3rd place), and **Scott Coll** (4th place).

The following students will assume the leadership positions of the ASCE Student Chapter during the 2003-2004 academic year:

- President - **Erik Weghorst**
- Vice President - **Amber Wright**
- Treasurer - **Jonnye Keith**
- Secretary - **J.T. Malasri**
- Community Service Coordinator - **Sam Vitale**
- Fundraising Committee - **Jeremy Frulla, Juan Gutierrez, Ben Knoerschild, Frank Roberts, Nicholas Marasa, Bradley Loeffel, Christopher Popwell, and Jeffrey Higgins**

And the 2003-2004 officers for Tau Beta Pi are:

- President - **Bryan Brandon**
- Vice President - **Favian De Lima**
- Treasurer - **Ben Reves**
- Secretary - **Erik Weghorst**

Congratulations to the following graduating seniors for receiving special awards at the May 2003 Commencement:



Jyoti Gupta

- **Jyoti Gupta** (ChE) - Alumni Academic Award: This award is presented to the graduate with the highest academic average.
- **Shawna M. Roussel** - Philip M. Becker Award in Chemical Engineering: This award is presented to a graduate who has demonstrated academic excellence and creativity in approaches to chemical engineering problems.
- **Kristin Louise Teague Bartlett** - Outstanding Civil & Environmental Engineering Graduate Award: This award is presented by the Civil & Environmental Engineering Department to a graduate who has demonstrated evidence of academic excellence and who has been of service to the



Lisa Lavie

Civil & Environmental Engineering Department.

- **Lisa Marie Lavie** - Brother Philip Morgan Electrical Engineering Design Award: This award is presented by the Electrical Engineering faculty to a department graduate who has given outstanding evidence of design ability and academic excellence.
- **Danielle Guerre** - T. Herbert Darnell Award: This award is presented by the Mechanical Engineering faculty to a department graduate who has demonstrated academic excellence and provided service to the University and/or community.
- **Lisa Marie Lavie** - Outstanding School of Engineering Graduate Award: This award is presented by the School of Engineering faculty to a graduate who has shown evidence of academic excellence and given service to the University and/or community.

ALUMNI NEWS

Rebecca Jones (MEM'99) was recently named the recipient of the R. Craig Blackman Alumni Award for 2003. Rebecca is currently the Director of Network Architecture and Support at FedEx, where she has had many accomplishments. She was largely responsible for FedEx's early success with the Internet. Under her direction, FedEx has developed one of the largest enterprise Internet network capabilities, giving it unparalleled superiority in its ability to move package information among operating companies and customers worldwide. Rebecca's impact to FedEx goes beyond technology leadership. This past fall she was a divisional co-chair for FedEx's 2003 United Way campaign. Under her leadership, her department set new records in giving amounts. Most recently, she accepted the leadership role in building a joint Information Technology and Customer Service Systems team for Habitat for Humanity. Rebecca exceeded the volunteer goals by over 200%, allowing FedEx to meet its commitment to build several houses this spring for HFH. Rebecca graduated cum laude from CBC in 1989 with a B.S. in Electrical Engineering, followed in 1999 with a master's in Engineering Management. She is an active member of Second Presbyterian Church, where she met and married her husband of 11 years, Keith Jones. She currently lives in Germantown with Keith and their three boys, ages 7, 3, and 1. She is also a member of the curriculum advisory board for the Electrical & Computer Engineering Department at CBU.

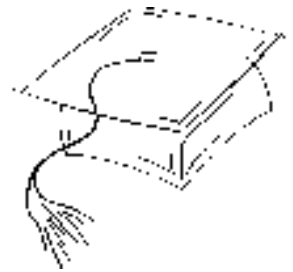


Rebecca Jones

Congratulations to **Randy Grangluff** (CE'98) and **Alex Fisher** (CE'98) for becoming registered professional engineers.

Chris Owen (CE'00) has just finished his master's degree from Michigan Technological University. His thesis involved the measurement of CO, ozone, and other gases in the Azores Islands in the Atlantic Ocean, where he studied the flow of air to the site. He plans to continue his Ph.D. work at the University.

Here is a list of new engineering alumni. They recently walked at the May 2003 Commencement. Congratulations!

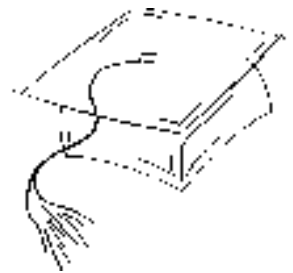


- Julien Mathieu Ait Maksene (EE, summa cum laude)
- Stephen Michael Avanzi (EE, summa cum laude)
- Michael Douglas Bagley (EE)
- Brandon David Culley (EE, magna cum laude)
- Jeffrey Alan Dettelbach (EE)
- Richard Joseph Doerr, Jr. (ME)
- James Steven Fuss (ME)
- Joshua Peter Giannini (CE)
- Billy James Gibson (ME, Dec.'02)
- Donnaire Montarie Granger (CE)
- Joseph Benjamin Green (ME)
- Danielle Ann Guerre (ME)
- Jyoti Gupta (ChE, summa cum laude)
- Peter David Hall (CE)
- Theresa Irene Humphrey (ME)

- Justin Edward Ivancic (ME, magna cum laude)
- Melissa Elaine Johnson (CE, cum laude)
- Steven Robert Kolodziej (ME, Dec.'02)
- Roy Daniel Lamica (CE)
- Lisa Marie Lavie (EE, summa cum laude)
- Nathan Christopher Luce (CE, summa cum laude)
- Ramakrishnan Premachandra Menon (EE)
- Ayan Mitra (EE, magna cum laude)
- Justin John Moderow (ME)
- Denise Marie Mondragon (ChE)
- Nicholas Alan Montgomery (EE, Dec.'02)
- James Joseph Moore, Jr. (EE, Dec.'02)
- Eric Jude Leemar Morris (EE)
- Michael Scott Morris (ME)
- Hai Xuan Nguyen (EE)
- Truc Chanh Nguyen (EE)
- Matthew Dale Osborne (EE)
- William Herbert Petermann III (EE, summa cum laude)
- Timothy James Petteys (ME)
- Nyaniki Mary-Martha Quarmyne (EE)
- Arthur Dylan Robbins (EE, Dec.'02)
- Shawna Marie Roussel (ChE, cum laude)
- David Andrew Schaeffgen (EE, summa cum laude)
- Robert Collin Seely (EE)
- Heather Michelle Smith (CE)
- Kristin Louise Teague Bartlett (CE, magna cum laude)
- Phuoc Ngoc Tran (EE, cum laude)
- Amit Tugnait (EE)
- Daniel Allen Valentine (ME)
- Sergio Vergara Reyes (ME)
- Anita Gail Vickery (EE)
- Hussein Mahmoud Wada (ChE)
- Albert Thomas Waineo (ME, magna cum laude)
- Ariel Elizabeth Wessel (ME)
- Bennett Michael Ashford Wetherald (EE)

Also, congratulations to the Master of Engineering Management graduates:

- Assad Albuhsein (Cargill)
- Rimas Augustinas (Cargill)
- Michael Sean Belk (International Paper)
- Harold Brandon Brooks (Bryce Corp.)
- Andrya Clark Gough (Smith + Nephew, Dec.'02)
- Ivan Nelson Harlan (Smith + Nephew)
- Samuel Thomas Hicks (U.S. Navy, Dec.'02)
- Johnny Daniel Keenum (Sonoco, Dec.'02)
- Brian Kerney (City of Memphis)
- John Patrick McKissack (Kele Corp.)
- Ulysses C. Polk (BellSouth, Dec.'02)
- Circe Andraniece Porter (Procter & Gamble, Dec.'02)
- Nicholas Richey (Carrier Corp.)
- Madinah Kaamilya Salaam (Procter & Gamble, Dec.'02)
- Dawn Euniece Salter (FedEx, Dec.'02)
- Thomas George Stoll (Bodine, Dec.'02)
- Gwendelyn Delores Thomas (FedEx)



- Robin Lynnette Turner (Medtronic Sofamor Danek, Dec.'02)
- William Brian Wolfe (Sharp Manufacturing)
- Bernard Zawada (Burr & Cole)

FACULTY/STAFF NEWS

The following engineering faculty/staff received Service Awards at the CBU Annual Faculty and Staff Recognition Reception on April 24, 2003:

- **Dr. Neal Jackson** - 5 Years
- **Dr. Denise Theobald-Roberts** - 5 Years
- **Ms. Glenda Emerick** - 10 Years
- **Dr. Siripong Malasri** - 15 Years
- **Mr. Gene McGinnis** - 15 Years

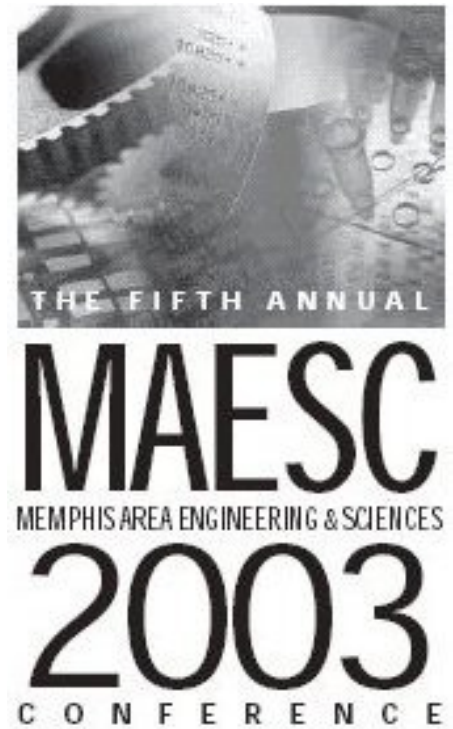
Dr. Siripong Malasri (Dean) gave a talk about various engineering disciplines to a group of 16 students at Cypress Middle School on April 29, 2003, as a part of the school's Career Awareness Program.

Dr. Neal Jackson (MEM) has a book review published recently in the *Engineering Management Journal*, Vol. 15, No. 1, March 2003, p. 34. He reviewed *Now, Discover Your Strengths: How to Develop Your Talents and Those of the People You Manage & Resource Management in Real-Time Systems and Networks* by Marcus Buckingham and Donald O. Clifton (The Free Press, 2001).

An article entitled "Extending Monte Carlo Samples" by **Dr. Bernard Beard** (ME) appeared in *Nuclear Physics*, Vol. 119, pp. 1012-1014, 2003. In the article, he discusses a proposal to improve the efficiency of numerical simulations of spin and quantum link systems via analytical extension of Monte Carlo samples.

The following engineering faculty members had papers presented at the recent MAESC 2003 conference:

- S. Mishra, G. Lewis, A. Viano, N. Fore, and **Asit Ray** (ChE), "Influence of Lamella Features of UHMWPE on its Physical and Uniaxial Tensile Properties - Effect of Sterilization Method"
- A. Vickery, D. Wathena, and **John Ventura** (ECE), "Control System for Rubber Mixers"
- N. Quarmyne, J. Simpson, and **John Ventura** (ECE), "Network Design to Expand Capacity of Existing Telecommunications Infrastructure"
- L. Lavie, D. Burns, and **John Ventura** (ECE), "Electrical Safety for an Offshore Power System"
- **Eric Welch** (ECE), "Undergraduate Forensic Engineering"
- K. Malasri and **Siripong Malasri** (Dean), "Point Grouping Using a Genetic Algorithm"
- **K. Madhavan** (CEE), "Advice to Structural and Project Engineers from a Geotechnical Engineer"
- **K. Madhavan** (CEE) and **R. Eugene McGinnis** (CEE), "Integrating Case Studies and Ethics in Geotechnical Engineering"
- **Robert Drake** (ECE), "Do Checks and Balances Contribute to Cycles in the National Economy?"



The online post-conference proceedings will be available at <http://www.cbu.edu/engineering/maesc/> later this summer.