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HAPPENINGS IN THE COLLEGE OF ENGINEERING & TECHNOLOGY

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Dr. Jack Bakos Will Be Attending Concurrent Conference - Dr. J.D. Bakos, Jr., Chair of Civil & Environmental Engineering, will be attending the 1997 Concurrent Conference in Columbus entitled, "Accessing a World of Information". Sessions and workshops in the Conference focus on ideas, technologies, and materials as they relate to the library, media center, the classroom, and professional development.

Dr. Javed Alam Will Present a Paper - Dr. Javed Alam, Professor of Civil & Environmental Engineering, will present a paper in the poster session at the 1997 ASEE Frontiers in Education Conference held in Pittsburgh, Pennsylvania, November 5-8, 1997. The title of his paper is, "Shared Virtual Spaces and Its Application in the Teaching and Learning Environment". Loretta Herr, a graduate student in Civil & Environmental Engineering assisted Dr. Alam in the preparation of the paper and poster.

Visit Cleveland State University - Dr. Charles A. Stevens, Dean of CE&T, Dr. Jack D. Bakos, Jr., Chair of C&EE, Dr. Hojjat Mehri, Chair of CE&T Graduate Studies Committee, and Dr. Scott C. Martin, C&EE Graduate Coordinator, met with engineering faculty and administrators at Cleveland State University on October 23, 1997, to set up a framework for mutual cooperation on the graduate level. This cooperation would include establishing a joint Ph.D. program between the engineering colleges at Cleveland State University and Youngstown State University. Under the proposed agreement, students enrolled in Cleveland State's doctoral program would be permitted to take course work at Youngstown State which would be applicable to the doctoral degree program. In addition, YSU's College of Engineering & Technology faculty would be able to serve on doctoral committees and supervise doctoral research projects. A similar joint program exists with The University of Akron, and the establishment of a similar program at Cleveland State would enhance the opportunities available to YSU graduate students to pursue their graduate studies. Cleveland State offers a unique opportunity for YSU students since their doctoral research program can include projects in the student's professional work arena.

Dr. Laurie Garton Co-Authored Paper - Dr. Laurie S. Garton, Assistant Professor of Civil & Environmental Engineering, co-authored a paper entitled, "The Effect of Surface Charge and Shear Rate on the Fractal Dimension on Flocculating Particles". The paper was presented at the Water Environment Federation's Seventieth Annual Conference & Exposition held in Chicago, Illinois, October 18-22, 1997.

Institute of Industrial Engineers Chapter #859 Visits Case Western Reserve University - On October 17, 1997, the student chapter #859 of the Institute of Industrial Engineers were the guests of The Weatherhead School of Management at Case Western Reserve University. The chapter was in attendance with about 50 other students in groups from numerous universities to participate in the Department of Operations Research and Operations Management Annual Open House. As in years past, the chapter and other attendees were treated to admissions and programs information. Also, as in years past, several Case professors put on a lecture followed by a hands-on experience. Last year, the quantitative modeling package STORM, created by Case professors was put on display and used in the hands-on session. This year, as an alternative, the SOLVER add-in to EXCELL was demonstrated and applied. The group at Case has just finished the prototype version of WINSTORM. Since this upgraded version of STORM is not yet available, the authors were very pleased to provide an evaluation version to the Department of Industrial and Systems Engineering and the student chapter. WINSTORM will be used in ISEGR 815 Production Planning and Control in the Winter quarter. The students and faculty are looking forward to being the first group to evaluate the new product.

Mechanical Engineering Student Is Awarded Scholarship - Ms. Donna L. Cousins, Mechanical Engineering Student, was awarded a scholarship for \$3,000.00 from the American Society of Mechanical Engineers, Rail Transportation Division on October 21, 1997.

Laser Pointers - There are two laser pointers in the college office that may be checked out for use with presentations by faculty and students.

Campus Visit by Mitsubishi Heavy Industries America Located in Leetonia, OH - The Tire Machinery Division of Mitsubishi has recently moved into an industrial park in Leetonia in Columbiana County. They currently hire 75 people with about 20 in their Engineering Department. Mark Frenger is Engineering Manager, and Bob Focht is Plant Manager. Both are graduates of YSU. They accompanied Mr. Kato, who is the General Manager, in a visit to meet President Cochran and Dean Stevens. Their particular interest, at this time, was to see if they could hire one mechanical engineer, one electrical

engineer and one software person. They left job descriptions with Co-op and with Placement. They are also interested in establishing co-op opportunities.

Goodyear Visits YSU - On Thursday, October 30, three representatives from Goodyear Tire and Rubber Company visited Dr. Cochran and Dean Stevens. They were Mr. K. B. Kleckner, Vice President of Engineering for the entire corporation, John Orr, Engineering Manager for North America, and Jim Schumaker, Regional Engineering Manager North America. Goodyear has hired a couple of our graduates from last year. They also wish to start with co-op students who would be located in Akron and in some of their manufacturing plants. Mr. Kleckner also serves on the Board of the National Society for Professional Engineers.

Chairs Arrive - The chairs have finally arrived for the Computing Labs. They look and feel really good.

Room 222, Now Room 2400 - Room 2400, the high tech multi-media classroom, is partially converted into a Distance Learning Facility. The cameras are mounted on the wall, but have not been hooked up. It still functions as it has in the past, but the new features are not yet working. There will be two VCR's in the room so that presentations can be recorded as well as broadcast out to a distance learning site. Tables for the room are "on order" and should arrive during fall term.

Delphi Packard Invited to Set Up a Physical Simulation Laboratory at YSU - A possible outcome of collaboration between the I&SE Department and Delphi Packard.

Since early 1997, Dr. Mehri has been engaged in an effort aimed at promoting collaborative work between the I&SE Dept. and Delphi Packard Division of General Motors Corp. During this period, the parties have met a number of times and discussed areas of mutual interest. One important initiative pursued by the parties in recent months involves Delphi Packard setting up a physical Interactive Simulation Laboratory at YSU. According to the current plan, YSU will provide Delphi Packard with laboratory space, a classroom, some office space, and maintenance services for an annual fee. The facilities will be used by Delphi Packard employees and YSU faculty and students for training, conducting seminars, research, and instructional purposes (details will be published later). On September 12, 1997, a group of Industrial/Manufacturing engineers and managers from the company visited YSU, held further discussions on the subject with us, and inspected the designated laboratory area, classrooms, office space and our maintenance facilities. On October 27, 1997, Dean Stevens, Dr. Mehri and Dr. Driscoll visited Delphi Packard for a tour of Divisional Industrial Engineering and several of their physical simulation sites. As a follow-up, on

November 6, 1997, Dean Stevens and Dr. Mehri, along with a number of engineers/managers from Delphi Packard, will travel to Dayton, Ohio to visit the Advanced Integrated Manufacturing (AIM) Center in Sinclair Community College. This laboratory is set up by another unit of the General Motors Corp., and is similar (in equipment, scope, etc.) to the one we want Delphi Packard to set up at YSU. The objective of the trip is to learn more about the laboratory, mechanism of mutual cooperation, and some of the rules/regulation which governs this type of arrangements.