

**INSTITUTE OF INDUSTRIAL ENGINEERS—STUDENT CHAPTER # 797
UNIVERSITY OF TENNESSEE AT CHATTANOOGA
QUATERLY NEWSLETTER VOLUME 2.1**

VISION

Be globally recognized as the premier for industrial engineers and their profession. The institute will value and serve its individual members and customers and exceed their expectations.

MISSION

Providing leadership in developing industrial engineering; in representing the industrial engineering profession; and enhancing the capabilities of those who are involved in or manage the application, education, training, research or

**A message from Dr. Ed McMahon
(Department Head)**



The 2003-2004 academic year has been exciting one for the College of Engineering and Computer Science. We moved into our new building that can only be described with words like “outstanding” and “excellent”. We took the next step towards accreditation by discipline on our fall ABET visit. Both of these efforts have a direct impact on our Industrial Engineering program.

The new building provided

a space for our Industrial Engineering laboratory. The laboratory was partially equipped with the first phase of the Computer Integrated Manufacturing (CIM) equipment thanks to the effort of our faculty, funds from our Engineering Excellence campaign, and donated equipment from ABB.

Our Industrial Engineering program has been revised to meet the requirement for discipline accreditation. Many new courses have been added to better prepare our students for careers in Industrial Engineering.

Another exciting addition to our program was the formation of the student IIE chapter. Thanks to the efforts of Dr. Neslihan Alp and the

the Institute of Industrial Engineers (IIE).

The Chapter Recognition Program organized by IIE recognizes chapter improvements and progress. This award shows how students are willing to help

students who stepped up to be officers of this newly formed organization. It was exciting to see the students travel to North Carolina State to the IIE convention. We lose two of our students leaders to exciting (and well paid) career opportunities; Wes Dennis to IBM and Nancy Brown to General Electric. Others have stepped up to the plate to fill the leadership roles.

The demand for Industrial Engineers is increasing, not only in the manufacturing area, but also in the service area. Few students come into the college focused on becoming an IE, yet IE is where engineering students learn the skills and techniques so important to keeping America competitive.

each other and serve the community. Extensive congratulations go to all IIE Student Chapter members and faculty who supported them.

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The Chapter Recognition Award

For the academic year of 2003-2004, the UTC IIE Student Chapter has garnered national recognition with the Gold Award from



The IIE Southeast Student Conference at North Carolina State University

The Institute of Industrial Engineers (IIE) Southeast Conference last year was held at NC State University in Raleigh on February 6-8, 2004. Eight students from our chapter attended the conference with our advisor Dr. Neslihan Alp. Participating to our first conference was a very good opportunity to meet students from other chapters and also to make contacts with industry. The first night upon arrival we went to the dinner and a job fair

sponsored by Miliken and Lowe's. During dinner they had a guest speaker from IBM. The next morning we took a tour of the Industrial Engineering building at NC State and their lab facilities. They work hand in hand with the veterinary medicine department in creating proteases of bones to cure broken bones in animals. In their manufacturing and assembly lab, companies such as Black n Decker donated a large amount of equipment for

their help on various projects related to production. Their facility has also the capability of making furniture by automation and has the only machine in the United States which makes steel or titanium objects from powder. The powder is reusable and the estimated cost of this machine is over \$500,000. We were really impressed with their lab facilities and grateful for the opportunity of experience their IE laboratories.

Silent Auction



As a fundraiser activity, we organized a silent auction. On April 14th, 2004 the auction was held at Warehouse Row to have contribute both UTC and local companies. We were sponsored by a variety of businesses such as Smoothie King, YMCA, Pat Nails, Thai Smile 3, Buck Wild, Taco Mac, Sticky Fingers, Rolling Hills Golf Course, Eagle Bluff Golf Course, Bear

Trace Golf Course, Ruby Falls, Rock City, etc.

It was a great success for our first fundraising activity and we raised almost \$500.

Special thanks to the faculty for all their support .



A Message from the Current Graduates



Nancy Brown
Industrial Engineer, B.S.
Spring '04

Since graduating from UTC and the Engineering Co-op program in May, I have started my job with General Electric as a member of their Operations Management Leadership Program (OMLP). My first of four six-month rotations is as a quality engineer on the GE Dishwasher Six Sigma team. I am applying my engineering and statistics background every day to tackle various quality

Hi, I am Elbert. I am an Industrial Engineer who just graduated in May 2004. Currently, I am working at a mining company, PT. Freeport Indonesia (Alliance of Freeport McMoRan Copper and Gold) in Purchasing Dept (New Orleans). In doing my job, I communicate a lot with suppliers and internal customers, or usually we call it as supply chain management. I really like my job because I

improvement projects that will ultimately effect GE's bottom line. Before my first rotation is complete, I will be Six Sigma Green Belt certified and have earned my Certification of Production and Inventory Management (CPIM).

As an OMLP, I reap the benefits of being a prior GE co-op all the time. I have already become familiar with many of the E-Systems and processes used at GE, which is a great time-saver as I push projects to completion. Also, the contacts I made here in the past have really been useful as project resources. I know that enrolling in UTC's co-op program early in my college career has played a major roll in where I am today!

can implement IE's knowledge and issues such as value analysis, quality management, supply chain, and transportation issues beside my technical background. My encouragement/suggestions for IE students: As Industrial Engineers, we are unique and have so much talents. We have the ability to understand people, cost awareness, quality, technical and management issues,



Wes Dennis
Industrial Engineer, B.S.
Spring '04

Greetings from Minnesota. I got a job with IBM after graduating and moved to Rochester in May. I work in the Real Estate Site Operations department which is what they call their facilities organization. My title is a Space Planner, but I have several responsibilities. Space planning involves leasing IBM space to on-site customers and leasing space from other companies as well. I am also in charge of tracking the project

budgets for the site and providing quarterly forecasts to upper management. In two years I will have the opportunity to transfer to a new department to gain understanding of a different part of the organization.

which are needed for the company to save money and determine company's strategic in this time. Being a smart person is good for you to get good grades, but when you become a real IE, you need to be creative, and enjoy sparking new ideas for improvement. By the way, many people in industry know the reputation of university of Tennessee. So, it is one of our advantages in searching a job.



Elbert Nassey
Industrial Engineer M.S.
Spring '04



**INSTITUTE OF INDUSTRIAL
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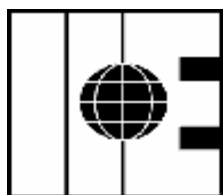
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