

# MICHIGAN TECH EMPLOYER NEWSLETTER

NEWS AND INSIGHTS FROM CAREER SERVICES

SUMMER 2007

## FROM THE DESK OF JIM TURNQUIST, DIRECTOR

2005-2006 has been a very good year for Michigan Tech graduates. 97% were placed in a full-time position relevant to their degree, accepted to graduate school, or enlisted in the military. This success stems from the quality of students, faculty and staff at MTU. The Career Center provides a support system which creates a balance between student career development and building relationships with employers.

76% of our graduates accepted professional positions in the Midwest, with 42% in the state of Michigan. Students' interest in employment opportunities on the west coast and the south has increased.

The consulting industry attracted 18% of Michigan Tech graduates followed by the automotive industry at about 10%. Industries that have recently showed an increase in hiring include the Energy/Utilities/Minerals (8%), Government (6%), and Medical/Biomedical (4%).

The job fairs continue to grow and attract companies and agencies from diverse industries. 2005-2006 showed a 40% increase compared to the previous year. Both students and employers feel that the job fairs are the preferred method for the job search process. Approximately 3000 students attended each job fair.

The 2005-2006 recruiting year was extremely busy with over 290 companies on campus. This generated about 700 interview schedules which averaged 7 interviews per students.

The Internet continues to infiltrate the job search process. The Career Center uses a software package called "eRecruiting" to manage employers' interview schedules, job postings, and make available students' resumes to employers. Over 24,000 resumes were reviewed by potential employers during the 2005-2006 academic year.

All indicators show that 2006-2007 will be busier than 2005-2006. The "baby boomers" are retiring, leaving a huge gap that employers are trying to fill. Michigan Tech is committed to assisting employers with this challenge. The Career Center will continue to prepare students for a successful career transition.

I look forward to another strong job market next year. Please feel free to connect with the Career Center so that we may facilitate your needs through our services.

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## ACCORDING TO A RECENT REPORT PUBLISHED BY NACE...

Top five methods for recruiting new college hires:

1. On-campus recruiting (tie)	4.2	5. Career/Job Fairs	3.7
2. Organization's internship program (tie)	4.2	6. Internet job postings (campus web site) (tie)	3.6
3. Employee referrals	4.0	7. Faculty contacts (tie)	3.6
4. Organization's co-op program	3.9		

(5 point scale, where 1=Not effective; 2=Not very effective; 3=Somewhat effective; 4=very effective; 5-Extremely effective)

## NEW SERVICE SYSTEMS ENGINEER DEGREE (BS)

### *EXTENDING THE TRADITIONAL BOUNDARIES OF ENGINEERING*

The service sector now accounts for nearly 80 percent of all economic activity in the U.S.—far outstripping manufacturing (14 percent) and agriculture (2 percent).

While the National Science Foundation and other bodies have recognized the need for engineers to work within the service sector, present-day engineering curricula are generally ill-suited to meet its needs. By and large, engineering students are taught how to design and build products—better machines, instruments, and other devices or manufacturing processes—rather than services.

Until now, that is. An interdisciplinary team of faculty members at Michigan Tech, representing such diverse programs as Civil Engineering, Mechanical Engineering, Computer Science, Electrical Engineering, and Business has developed a new engineering curriculum—Service Systems Engineering. It is devoted entirely to and especially for industries within the service sector.

Supported by a \$500,000 grant from the NSF, the inaugural cohort of students will enter the new Service Systems Engineering program in fall 2007.

“The efforts of engineers have led to improved productivity of the agricultural and manufacturing sectors,” notes John Sutherland, Henes Chair Professor of Mechanical Engineering. “Now it’s time to turn our attention to the service sector.

“We are talking about something far beyond McDonald’s, a barbershop, or the Maytag Repairman,” he adds. “We envision a curriculum that will train engineers to design and manage systems with a significant human element and where a significant portion of the service value may be associated with information content.”

In just four years, the first class of Michigan Tech service systems engineers will graduate and begin applying their expertise to service systems—evaluating their strengths and weaknesses, and developing human friendly ways to make them function smoothly, efficiently, effectively, and with the user in mind.

For more information, contact Dr. Kris Mattila, email [kris@mtu.edu](mailto:kris@mtu.edu), or check out the program’s new web site at [www.sse.mtu.edu](http://www.sse.mtu.edu).

We hope your 2006-07 recruiting year was successful and you are gearing up for the upcoming season. To get the most out of your recruiting season:

- Start early and schedule your on-campus interviews by utilizing the Career Center first for your recruiting needs.
- Register for Career Day by visiting [www.career.mtu.edu](http://www.career.mtu.edu)
- Consider becoming a Career Center Partner. This is a great opportunity to market your company to students so they know who you are and why they would want to come and work for you. For more information go to [www.career.mtu.edu/partners.php](http://www.career.mtu.edu/partners.php)
- If you are unable to come on-campus consider posting your job opportunities for students to apply at [www.career.mtu.edu/employers/erecruiting.php](http://www.career.mtu.edu/employers/erecruiting.php)

Interested in speaking at one of the 2007 Fall Events listed contact Tina at (906) 487-2313 or [tgiachin@mtu.edu](mailto:tgiachin@mtu.edu)

Senior Meeting	September 5
Resume Writing Tips	September 11
MUB Resume Blitz	September 12-13; 17-18
Resume Critiques	September 19-21
Co-op Seminar	September 18
Interviewing Success	September 19
Mock Interview Week	September 24-28
Job Search Strategies	September 26
Plant Trip/Benefits	October 17
Etiquette Dinner	October 24