

Construction Management Technology News

<http://www.umaine.edu/set/cmt/>

Fall 2003

ENROLLMENT: Currently, enrollment stands in excess of 105 students. This represents a 5% increase over last year. The program enrollment is steadily increasing.

WERKMEISTER RESIGNATION:

In June, Ray Werkmeister resigned his faculty position to return to Kentucky. Phil Dunn took a leave of absence from the Maine Department of Transportation to teach Ray's courses. The position has been advertised and will be filled when the hiring freeze is lifted.

HERMANSEN AILMENT: In late August, Knud Hermansen was diagnosed with kidney cancer. Three days later his right kidney was removed. He is now back teaching full time. This highlights the fact that the CMT program is under-staffed. There is no safety net in the program. A fourth faculty position is desperately needed. Unfortunately, the administration has decided not to fill a fourth position. Support from the construction industry is needed in order to get another position.

EMPLOYMENT OF 2003

SENIORS: All May 2003 graduates are employed. All the graduates were employed in Maine. Alumni surveys indicate a high satisfaction with construction employment, knowledge, and the construction management technology program.

UNDERGRADUATE RESUMES:

Undergraduate resumes are posted on-line at <http://www.umaine.edu/set/cmt/>

[UndergradResumes.htm](#)/ Please consider contacting one or more of these undergraduates to meet your Summer employment needs. All of the undergraduates will have at least one course in surveying and plan reading. Sophomores and juniors will have courses in safety, statics, materials, construction surveying, construction methods, and structural design. Juniors will have courses in construction law, soils, estimating, and bidding. Many students reported employment as inspectors, surveying technicians, and assistant project engineers during the Summer.

SURVEY EQUIPMENT: New survey equipment has been purchased in part by a grant from the Bureau of Land Management and in part by the Surveying Education Foundation of New England made to the Surveying Engineering Technology program. CMT students now use the latest total stations, laser levels, automatic levels, and digital levels. Other new equipment includes GPS, tapes, bipods, level rods, tripods, and hand levels.

TWO YEAR DEGREE: Eastern Maine Community College (Bangor) now offers a two-year civil engineering technology degree. There is considerable cooperation between the CMT program and the CET program so employers will have both two-year and four-year graduates to meet their employment needs. The CMT program has received some excellent students that transferred from the Central

Maine Community College after their graduation in the Architecture & Civil Engineering program.

ASC COMPETITION: The departure of Ray Werkmeister prevented the University of Maine from entering a competition team in the ASC regional competition. The program plans to enter a team for the Fall semester 2004.

SCHOLARSHIPS: We are always looking for help with funding scholarships. While students are encouraged to apply for ACM and AGC scholarships, these scholarships can not always fill the void. (Currently AGC and ACM scholarships are only available to students already enrolled in the CMT program.) CMT scholarships are used to attract students to the program. CMT scholarships are also used when good students have financial emergencies or need a little boost to meet the difference between tuition on the one hand and loans and part time wages on the other hand. A form is included with the newsletters for those willing to aid students with scholarships.

AGC STUDENT CHAPTER: The AGC Student Chapter is giving t-shirts to donors in order to help raise money for their functions and service projects. Anyone who wishes to donate \$15 or more will receive a t-shirt. Sizes M through 2XL are available. If you are interested in helping donate to the AGC student chapter please contact Mike Archer at 207-581-8322 or michael.archer@umit.maine.edu Please help the student chapter

by making your donation today.
(see
<http://www.umaine.edu/set/cmt/AGCStudCh.htm> for a picture of the t-shirt)

CMT FUNDING: Eldon Morrison of CPM Constructors has taken on the responsibility for raising donations for the program. In the past, donations were used to fund the ASC student competition team, recruiting and outreach efforts, construction software purchases, and senior brochures. This newsletter is funded by donations.

ASSOCIATE CONSTRUCTORS

EXAM: Currently seniors are required to take the Associate Constructors Exam in order to graduate. The exam tests all the skills and subject areas taught in the program. (see <http://www.constructorcertification.org/>) Faculty use the results of the exam to assess the program. Four seniors took the exam in April. The results of the exam indicate the University of Maine surpassed the National average:

- Nationally, 654 seniors took the exam and 320 passed (49% pass rate). At the University of Maine, the pass rate was 75%.
- Nationally, the test indicated weaknesses in communication skills, design/engineering concepts, management concepts, construction methods & material, estimating, budgeting/cost control, safety, and construction surveying and layout (7 out of 10 areas). At the University of Maine, only construction methods & material and communication skills were cited as weaknesses.

DEAN'S LIST: The following CMT students earned the honor of being recognized in the Spring 2003 Dean's list: Shane P. Amoroso, Michael G. Archer, Jason C. Babbidge, Kirk J. Ball (May 2003 grad), William F. Bannister III, Thomas D. Carey (May 2003 grad), Brian R. Emmons, Mark W. Grimes, Patrick S. Hopkins, Andrew E. Kittredge, Neils E. Knudsen, John S. Linscott IV (May 2003 grad), Matthew E. Love, Jessica A. Mitchell, Kimberly S. Ouellette, Travis A. Ridky, Adam D. Roy (May 2003 grad), Gregory A. Schaub, Joseph P. Valley (May 2003 grad), Travis J. Whitehead (May 2003 grad), Adam J. Williams.

COMPANY WEB ADDRESSES: If you would like a link to your company from the CMT web site, please send Knud (Knud.Hermansen@umit.maine.edu) your web site address. Many firms are already listed on the program's web site.

DEAN'S AWARD FOR

EXCELLENCE: On 5 December, Mac Gray received the Dean's award for excellence. Mac has consistently excelled as an instructor. He has taken the program from its inception to the success it currently enjoys.

ASHLEY CAMPBELL AWARD:

On 3 October, Knud Hermansen received the Ashley Campbell Award. This is the highest honor bestowed on a faculty member by the College of Engineering.

INFRASTRUCTURE CONSTRUCTION INSTITUTE: The Civil & Environmental Engineering program in conjunction with the Construction Management Technology program is

proposing to create a research and teaching institute known as the **INFRASTRUCTURE CONSTRUCTION INSTITUTE**. The mission of the Institute will be to serve as the professional focal point in the State of Maine for applied infrastructure research and instruction, supporting design, construction and maintenance excellence in pavement materials, roads, bridges, transportation facilities and heavy construction operations. The institute will garner and support focused and applied research and instruction. The research and instruction will focus on professionalism, safety, efficiency, and excellence in the management of the construction process; pavement materials; bridges; transportation facilities; and heavy construction operations, estimating, and scheduling. Contact Dana Humphrey (Dana.Humphrey@umit.maine.edu or 207-581-2170) for further information or to find out how you can help.

PROFESSIONAL ENGINEERING:

The CMT Industrial Advisory Committee has asked CMT faculty to encourage students to take the fundamentals of engineering exam (EIT). Mac Gray and Phil Dunn have volunteered to teach a two-credit fundamentals of engineering course designed to provide CMT students with a basis in subject areas not ordinarily taken in the CMT program. The course is scheduled to be completed before the April 2004 exam.

HAPPY HOLIDAYS: The faculty, staff, and students wish everyone a happy holiday season.