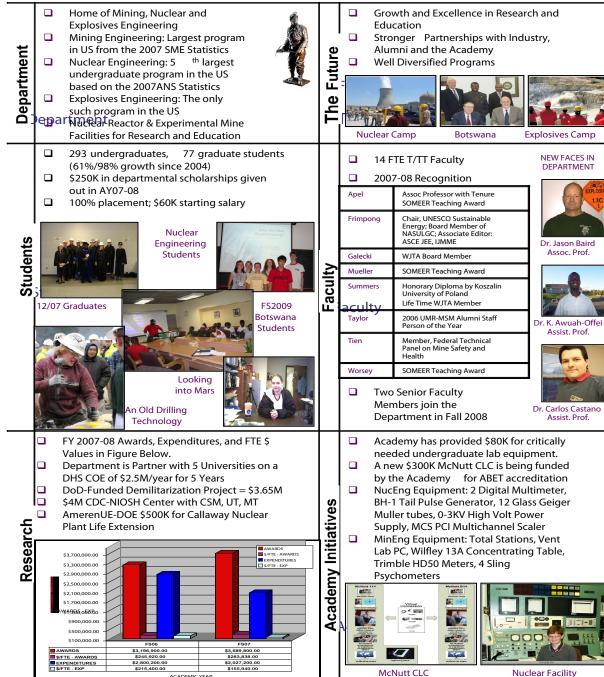


Mining and Nuclear Engineering

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ACADEMIC YEA

May 2008 Chair's Corner

Dear SOMM Academy Members,

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Greetings from the Academy, and welcome to the first edition of the SOMM Academy Newsletter. The annual meeting on April 17th was productive and fun, and the Executive Committee felt all Academy members might want to know about the good news being shared at the meeting. In this Newsletter you will find updates from each of the departments highlighting the great things the students and faculty have achieved over the past year, and a copy of the minutes from the meeting. Overall our departments are alive and well, and I think we can all be proud of our alma mater. All indicators are growing, including enrollment, placement, scholarship support, and research funding.

Academy Scholars: This year the scholarship committee decided to award scholarships to one student from each of the seven SOMM disciplines. In past years only two were awarded. Considering the overwhelming response from the students and their families, the desired effect of gaining greater visibility with the students has been achieved.

The 2008 SOMM Academy Scholars: (from left) Kyle Rackers (MetE), Jeff Joggerst (NucE), Kyle Te (GeoE), Julie Baumann (CerE), Kyle Rybacki (GeoSc), Matt Bowers (PetE) and Tanya Stephan (MinE).

The Academy has transformed into a group of alumni who are taking action to ensure the long term viability of our home departments. The question is, How can the Academy help ensure the future viability of the SOMM departments ?



Nuclear Engineering. Judy Russell is the main

contact for the Academy; however, as any miner

knows, we work in teams! Shirley Hall and Bar-

bara Robertson are helping when the need comes

number is 573.341.7652 or you can reach her via

email at jrussell@mst.edu. If you are on campus,

up. Barb is watching the financial side. Judy's

stop by and meet the three Ladies!

•Facilities: by providing resources for undergraduate equipment, laboratory/computer facilities, or seeking donations

•Recruiting: by providing endowed scholarships, and giving presentations at K-12 schools near you. •Placement: by hiring permanent, coop and summer interns, or providing leads to employment opportunities •Advising: by serving on departmental and university-wide advisory committees •Inspiration: by your continued support of the Academy Scholars program, and speaking at seminars

Your help and involvement is needed in as many ways as possible, and the best way to learn about what is the best fit for you would be to come to the Academy meetings. The format has changed since last fall - department chairs now present not only what's new and exciting, but also the key challenges the departments are facing in making sure student success remains a top priority. At the Fall meeting we will visit all three departments and look at their facilities and equipment. With this in mind we

are interested in your ideas about what is meaningful to you, and how attendance at the Academy meetings can be improved. Please e-mail The SOMM Academy now has a new and perus at mmacademy@mst.edu manent home in the Department of Mining and

I am hopeful history will show that the SOMM Academy was the group that galvanized not only support for the SOMM disciplines, but also spurred on a greater involvement by other Academies on campu to become more active in helping students achieve their dreams.

Dianna Tickner

SAVE THE DATE! The next SOMM Academy

meeting will be held on October 17, 2008 - in conjunction with Homecoming. WE WANT YOU - we need your help and are looking for volunteers. The Academy is changing and we can use all the help we can get! Please join us.



Nuclear Facility



Students

Research

Materials Science and Engineering

home of Ceramic and Metallurgical Engineering

Web: www.mse.mst.edu 180 undergrad, 65 graduate students (76% / 14% growth since 2004) 2007 Fellow of the 17 fulltime T/TT faculty American Ceramic ≈ \$300K in endowed departmental (Undergraduate student: Society faculty ratio =10.6:1) scholarships given out in AY07-08; ≈ \$75K in competitive scholarships In 2007, the average from professional organizations MSE faculty member: 100% placement rate; ≈\$55K + Taught 9.2 hours & starting salary earned a 3.1 CET aculty score Over past four years, more **Bill Fahrenholtz** 'Outstanding Teaching lt's a Girl Thing Awards than any department AFS Award of Scientific Merit Generated \$258K in research expenditures 1st on campus- Over past four years, more 'Faculty Decembe Excellence Awards 'than 08 any department on campus. Graduates Von Richards FY 08 Research #s thru October (most recent The SOMM Academy provided over data available) \$150K to obtain pieces of equipment Proposals Awarded: \$4.34M * critically needed for ABET accreditation: (22.6% of campus total) \$2.18M * Expenditures: MoSi₂ box furnace (\$20K) (16.3% of campus total) Two annealing furnaces (\$5K) with 6.3% of the faculty on campus TMA-retrofit unit (\$5K) ٠ New MTS compression platens (\$4K) Environmentally New S Sound What, **Aircraft Coatings** lesearch Advanced Steel Microtrac / Castings for Nanotrac Improved nstalled In Weapons January (\$45K)

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