Dear M&M Academy Members,

Greetings from the Academy! The spring semester at Missouri S&T is in full swing, and our departments continue to excel in helping students succeed. Enrollments are at an all-time high, yet placement remains strong. 242 companies participated in the Career Fair a few weeks ago, and average starting salaries are at an all-time high. In this Newsletter departmental news is focused on student and faculty success. I know you will be proud of all the good news – our Mines & Metallurgy departments continue to attract the best students, and they are winning competitive national scholarships and awards!

As Chairman I express my concerns and wish your thoughts on the subject of the demographics of our Academy. We currently have 101 members, 52 of which are over 70 years young. As such, many of our fellow members simply cannot attend meetings for a multitude of reasons. Should we induct more members each year with a younger age distribution?

The next meeting and induction ceremony are scheduled for April 24th, 2014. The agenda is copied below. Please consider attending – through our time, connections and resources we are truly making a difference.

Highlights:
- Seven Academy Scholars will be honored in the presence of their friends and family.
- Seven new members have been successfully nominated for membership in the Academy: Brad Aman, Nelson Cortes, Ben Winter, Mitch Roper, Kenneth Cochran, Christopher Ward, and Scott Sehlin.
- Two Academy Professors will be honored.

The past year has clearly demonstrated that the M&M Academy plays a critical role in the future of our alma mater. Just looking in the eyes of the students and faculty reveals their sincere gratitude. And I ask you to help us continue serving as a role model for what an effective Academy can do for the success of future generations of Miners.

Ted Ruppert
March 2014
Materials Science and Engineering
home of Ceramic and Metallurgical Engineering

Materials Science and Engineering

242 total undergrad students
→ 130 MetE / 112 CerE
57 graduate students
→ 10 Met / 10 Cer / 37 MSE
$306K in endowed scholarships given out in AY13-14

Students

New Faculty member in MSE
Ron O’Malley
Ph.D. in MetE from MIT
New Iverson Chair of Steelmaking Technologies

Keramos & Material Advantage Groups win National Awards at MS&T 2013 in Montreal

Geological Sciences and Engineering
Geology, Geophysics, Geological and Petroleum Engineering

SPRING 2014: GSE Growth Continues
698 Total GSE Students
437 Undergrad Students (includes FEP)
104 G&G / 97 GE / 236 Petroleum
169 Graduate Students (on campus)
61 G&G / 38 GE / 70 Petroleum
92 Ft Wood/Distance GE Grad Students

GSE: Now the 3rd Largest Dept at S&T
As of Spring 2014 fourth week numbers,
(no freshmen FEP or distance students):
Mech and Aero Engr (984 students)
Electrical and Computer Engr (673)
Geol Sci and Engr (501)
Computer Science (491)
Civil, Arch E and Envir E (432)

GSE has the Most Female Students at S&T
As of Spring 2014 fourth week enrollment, the top departments in female student numbers are:
Geol Sci and Engr (147 females)
Biological Sciences (139)
Civil, Arch E and Envir E (131)
Mechanical and Aero (11)
Chemical Engr (104)

GSE Benefits from Campus Strategic Plan
The S&T campus conducted a campus-wide strategic planning effort during the 2012-13 academic year. GSE was awarded funds from two competitive initiatives from this plan.

GSE received approval to search for a new faculty member in Petroleum Engineering in Reservoir Characterization.
GSE received funds for a new G&G Microscope Lab (with new microscopes, digital cameras, and projection facilities ideal for student collaboration).

Geological Sciences and Engineering
Geology, Geophysics, Geological and Petroleum Engineering

2013 Research Expenditures
$2.2 Million
GSE Dept
FY 2013 Research Expenditures

$2.3 Million
GSE Dept
FY 2013 New Research Awards

Students and Growth

Students

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Outstanding GSE Research
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GSE Dept
FY 2013 Research Expenditures

$2.3 Million
GSE Dept
FY 2013 New Research Awards

American Geophysical Union

Two New Colleges with Deans: Where does Geology and Geophysics belong?

In fall 2013 Chancellor Schrader decided that S&T would go back to two colleges, each with a dean. One college was to be Engineering and Computing, and the other college was to be Arts, Sciences and Business. This raised the question: Where does the Geology and Geophysics (G&G) program belong?

Technically G&G is a science program, but it is a key pillar of the GSE department. The Chancellor gave the GSE faculty the opportunity to choose.

After an excellent and fruitful discussion regarding the strategic future of the department and the relative contributions of the three programs, it was nearly a unanimous vote to keep the Geology and Geophysics program within GSE.

New Name: Department of Geosciences and Geological and Petroleum Engineering

As the GSE department was discussing the place of the G&G program, the campus also asked us if we should consider adding Petroleum to the department name since that is now the largest GSE program. After discussing a number of new names, we settled on the Department of Geosciences and Geological and Petroleum Engineering (GGPE).

Malaysia Exchange Program

Petroleum Engineering
students Caitlin Darnall and Colin Woolums are in Malaysia at UTP in Spring 2014. At right Caitlin takes a bite of Durian, a very strange local fruit.

SPE Energy Symposium: April 7, 2014
Mark your calendars and plan to attend the Third Annual Energy Symposium, organized and sponsored by the SPE student chapter. This one-day event features presentations by industry speakers, plus the annual Petroleum Engineering Banquet that evening (Monday, April 7).

GSE Advisory Board Meets: April 25, 2014
GSE chair Ralph Flori is organizing a combined advisory board meeting for the GSE department on Friday, April 25. Some invitations have gone out. If you are interested in participating, please contact Dr. Flori at reflori@mst.edu.