

MNE STATISTICS

- ❑ Enrollment at **450 (7.6% growth over last year)**; **258** Seniors, Juniors, and Sophomores; **96** Freshmen; **96** ME/MS/PHD
- ❑ **\$300K** in endowed, industry & competitive scholarships for AY2010-11
- ❑ **100%** placement for December 2010 grads with **\$64K** starting salary; **85%** placement for May 2011 grads with **\$60K** starting salary
- ❑ Overall, **> 90%** of students involved in Department, Campus and External Extracurricular Activities

2010 RESEARCH NEWS



\$430K funding for Department of Homeland Security Counter-terrorism research



\$1.7 M funding for CDC- NIOSH Mine Safety and Health Research



With Impact Tech for the **\$2.4 M** DOE award for Slurry Jet in Enhanced Geothermal Energy

DOE **\$180K** funding for S&T-Lincoln Partnership

OTHERS: \$1.75 M USNRC, USDOE, Research Board & Industry Funding for Faculty Development, Undergraduate Scholarships & other Research Initiatives

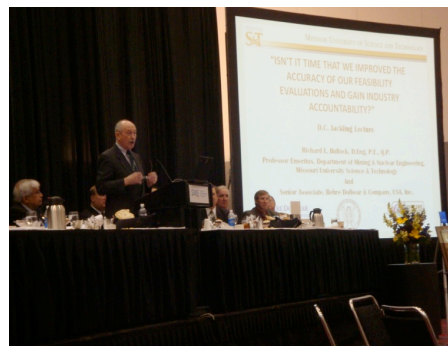
INNOVATIONS IN MINING ENGINEERING



THORIUM ENERGY RESEARCH INSTITUTE (TERI)



A proposal for \$1M/Yr for 5 years to establish TERI, a Missouri S&T – MU research consortium. TERI will be located at Missouri S&T near Pea Ridge Mine, Sullivan, MO, to carry out research and develop technology to use thorium as an energy source.



Dr. Richard Bullock Delivers The Jackling Address at the 2011 SME Meeting, Denver, CO

JACKLING AWARD



Dr. Ayodeji Alajo joins MNE Feb. 2011

NEW FACULTY



S&T Mining Engineering at the 2011 SME Conference in Denver, CO



Dr. Gary Mueller receives the 2010 MO Governor's Award of Excellence in Education

GOVERNOR'S AWARD

2011 World Champions in Lady Mucking



WIN at STL Sci. Ctr. – Engineer's Week



March
2011

m & m academy newsletter

Chair's Corner

Dear Mines and Metallurgy Academy Members,

Greetings from your Academy! As I write this letter, we are finalizing plans for our annual Spring meeting, banquet, and induction ceremony to be held on Thursday, April 14, 2011. You will see on the attached agenda the highlights of our business meeting. This year we will again be recognizing two faculty members for their excellence in teaching and research. In addition to the other usual Academy business, Wayne Huebner will be briefly presenting plans for "Vision 2020" – a new strategic planning and development process to enhance our departments' academic programs and infrastructure.

You will see on the attached reports the great accomplishments made by our three departments. Enrollment has increased significantly. Almost 1200 students are currently enrolled in the programs of our three departments. Graduating students are enjoying high starting salaries and higher job placement than in recent years.

We will be inducting Dr. Michael Moats as our newest Academy member. Mike is a graduate from 1992 (B.S.) and 1995 (M.S.) in Metallurgical Engineering. He earned a Ph.D. degree from the University of Arizona in 1998. His wife Michele is also a graduate of Missouri S&T. Mike is currently an Associate Professor of Metallurgical Engineering at the University of Utah and has authored 37 publications based on his research activity. In addition he holds four patents.

We will also be honoring seven students selected from the 20 that were nominated by their peers as graduates with the highest potential to excel in their professional careers. Our two faculty honorees are Drs. David Van Aken (Metallurgical Engineering) and Hyung Lee (Nuclear Engineering).

Hope to see you on April 14th.

Keith Wedge, Chair
Mines and Metallurgy Academy
March 2011



Mines and Metallurgy Academy Business Meeting
April 14, 2011
Missouri /Ozark Room
Havener Center

9:30 AM	Opening Remarks/Introductions
9:40 AM	Committee Reports
10:15 AM	Development Report (Patty Ingle)
10:45 AM	Break
11:00 AM	Vision 2020 – Wayne Huebner
11:30 AM	Lunch with Student Scholars (Meramec/Gasconade Room)
12:30 PM	Faculty Award Recipients Introduction and Presentations
1:00 PM	Departmental Reports
2:00 PM	Discussion/Adjournment
6:00 PM	Reception (McNutt Hall)
7:00 PM	Dinner, Scholar Awards, Faculty Recognition Awards, and Induction Ceremony

- 191 total undergrad students
→ 101 MetE / 90 CerE
- 66 graduate students
→ 14 Met / 14 Cer / 34 MSE
- ≈ \$316K in endowed scholarships given out in AY10-11; ≈ \$125K in competitive scholarships from professional organizations
- 80% placement rate in CY10; starting salary Met: \$60,150, Cer: \$57,075



- Keramos & Material Advantage Groups win National Awards at MS&T



- 3 Year average expenditures: \$6.1M (MSE generates 21.2% of the research on campus with 5.5% of the faculty).
- \$5M renovation of the MRC underway; Jan 2012 expected completion.
- Krista Kalac, MSE Ph.D., student, won the graduate student poster contest at the recent 140th TMS-AIME Awards Banquet for her work entitled: "Effects of Rare Earth Additions to the Solid Solubility of Zirconium in Magnesium Alloys."

- Kent Peaslee was named to the Executive Board of the AIST
- Delbert Day won the Phoenix Award
- Dick Brow received the UM President's Award for Research & Creativity



Kent Peaslee



Delbert & Shirley Day



Dick Brow

- The Dr. Thomas J.O' Keefe Lecture was given by Ken Gielow, MetE '70, '71
- A delegation of MSE students attended the FEF College-Industry conference in Chicago last November. Spencer Nast, Tony Wilshire and Andrew Merritt brought home \$7K in scholarships.



L to R: John Stanek, Andrew Merritt, Tony Wilshire, Spencer Nast, Jennie Murphy, William Loeffler, Von Richards and Forrest Huebner

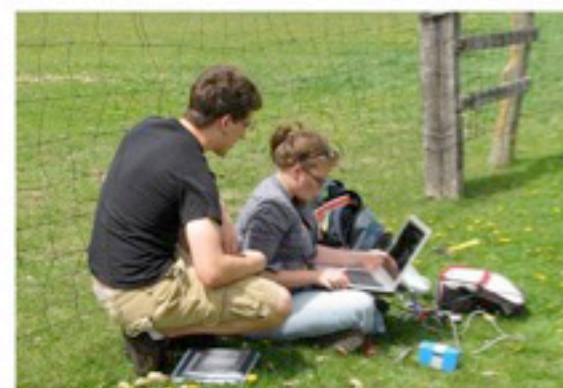
- SPRING 2011: GSE Growth Continues**
- 489 Total GSE Students
 - 281 Undergrad Students (includes FEP)
72 G&G / 69 GE / 140 Petroleum
 - 127 Graduate Students (on campus)
37 G&G / 27 GE / 63 Petroleum
 - 81 Graduate Students (distance GE)



- MoS&T 2nd Place Team!**
PetroBowl 2010 ACTE Florence, Italy
Matt Paradeis (voted MVP), Nevan Himmelberg, Matt Wikowsky, Megan Richerson, Jordan Finlayson

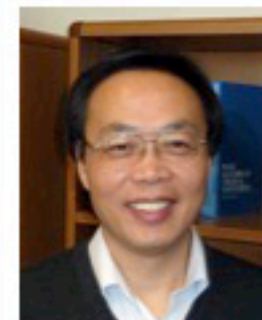
Outstanding GSE Research Productivity

- \$2.0 Million GSE Dept 2010 Research Expenditures
- \$3.6 Million GSE Dept 2010 New Research Awards



Locating sites for USArray seismic stations

- Dr. Curt Elmore received a 2010 Service Award for his tireless efforts to lead international efforts to bring water and improve life for Guatemalans.



- Dr. James Sheng is our newest Petroleum Engrg faculty member. PhD Univ of Alberta 20+ years experience Reservoir Simulation Reservoir Engineering New book: *Chemical Enhanced Oil Recovery*

Jerry Rupert Seismic Observatory
Gifts now total \$20,390—one-third way to \$60,000!

Thanks for recent gifts from: Bruce Doe, John R. Miller, John P. Hogan, Francisca Obokuenobe, Kenneth R. Peak, J. Mike Party, Juneau Exploration, Dutch Royalty Inv Land

The Jerry Rupert Seismic Observatory will be part of the national grid. It will be used for teaching, research, and for outreach/recruiting students to the geosciences.



Dr. Jerry Rupert