CALL TO ORDER:

John Borthwick, Academy Chair called the meeting to order at 8:30 A.M. He welcomed everyone. All members / guest introduced themselves down each row of tables.

Those attending were:

John Borthwick, Academy Chair
Chris Ramsay, Vice Chair
Gen Sutton
Mike Moats
Gary Pennell
Patrick Wagner
Dane Cantwell
Lee Powell
Kevin Renfro
Ralph Flori
Dianna Tickner
Kent Weinstein

Scott Sehlin
Braden Lusk
Wayne Huebner
Kurt Oaks
Fred Niemeier
Larry Britt
Bill Martin
Terry Donze
Keith Wedge
Ken Gielow

Guest Inductee's:

James Pinkley, Steven Jung, Bonnie Carson, Rick Szevery, Eric Burkhalter, Laura Agee, David Borrok, Chris Buterbaugh

Representative of Missouri S&T attending:

Dr. Richard Wlezien, Vice Provost and Dean of Engineering and Computing
John Held, Director of Planned Giving, University Advancement Development
Matt Lehmann, Sr. Development Officer, Development
Braden Lusk, Chairman, Mining and Nuclear Engineering
David Borrok, Chairman, Geosciences and Geological and Petroleum Engineering
Greg Hilmas, Interim Chairman, Materials Science and Engineering

Dr. Richard Brow; Curator’s Distinguished Professor in Material Science and Engineering
(Senior faculty Member Honoree)
Dr. Catherin Johnson; Assistant Professor in Mining and Nuclear Engineering
(Junior faculty Member Honoree)
Judy Russell, Office Support Assistant IV (Administrative Assistance), Mining and Nuclear Engineering

John Borthwick spoke briefly – opening the floor for the discussion of the Homecoming 2017 Mines and Metallurgy Academy minutes. Kurt Oakes made motion to approve minutes; Braden Lusk seconded. The minutes we approved unanimously without changes.

Executive committee Reports:
Scholarship Committee - Student Affairs/Scholar Awards/Faculty Awards:

Wayne Huebner, Committee Chair – gave an update on how the process is done.

The process for selecting the Academy Scholars is as follows:

- Each fall semester in August an announcement is sent to the Mines & Metallurgy departments soliciting nominees to be honored as an Academy Scholar. This announcement is attached.
- Typically the student group leaders within the departments decide which students should be nominated, and names are submitted by November 1st. This year a total of 18 students were nominated.
- The Academy Scholars Committee Chair meets with all the nominees in two groups and provides them with information about the purpose and history of the Mines and Metallurgy Academy, and the Academy Scholars Program. The Chair also reviews the materials he nominees need to submit prior to the deadline, this year December 29th.
- All materials are gathered and sent to the Academy Scholars Committee for review. Scores are assembled by the end of January and then decisions are made regarding winners. For instances where the scoring is too close to choose, the Chair seeks additional information from departmental faculty.
- All nominees are notified of the outcome.
- This year the seven winners are:
  - Amelia Teitambel, Nuclear Engineering
  - Clayton Mears, Mining Engineering
  - Taylor Steffen, Geological Engineering
  - Alyssa Snider, Petroleum Engineering
  - Osvaldino Contreas, Geology
  - Hannah Westin, Metallurgical Engineering
  - Evan Musterman, Ceramic Engineering

Tonight you will be able to meet all seven of the Academy Scholars tonight with families. Wayne expressed a big thank to the committee member for the time spent in reading the statements that the students provide and assisting with the voting process.

Nominating Committee

Submitted by Nomination Committee Chair: R. Flori

The primary purpose of the Nominating Committee is to solicit, receive and evaluate nominees to the Mines and Metallurgy Academy; and to make recommendations to the Executive Committee. Once approved by the EC, nominees are voted on by the Academy membership.

Each Academy year’s cycle begins in the Fall when nominations are received and evaluated. The cycle ends at the Spring Academy meeting when the nominees are inducted into the Academy.

April 2018 Inductees this year are the following:
To be completed between now and November 9, 2018:

Recruit more nominees:

- At the Academy Meeting
- Also contact programs and department chairs - want to ensure to have at least one nominee from each program

The Nominating committee also insures that all the other committees have the seats filled. After confirming that the committee members of Executive – Member-At-Large agreed to still serve, and the Nominating Committee also was reviewed. We have a couple openings in the Strategic Planning Committee to fill: Fred Niemeier, James Pinkley, and Chris Buterbaugh volunteered. Total exceeds the 15, but it was approved by the Strategic Planning Chairman, Kurt Oakes.
We also have a couple openings in the Students Affairs and Scholarships Committee: Steve Jung, Laura Agee, Scott Sehlin, Jen Sutton, Gary Pennell and Kevin Renfro. Committee

**Jackling Committee:**

Chris Ramsay, Committee Chair reports the Jackling endowment continues to fund the following programs annually. This was sent up by one of our Alums, Daniel Jackling for the students and faculty of the traditional school of mines department for the past 15-20 years

Monies have been applied towards:

- Mining Engineering and Explosive Camp - $15,000
- Jackling Introduction to Engineering Summer Program now led by Wayne Huebner - $10,000
- Materials Summer Camp - $15,000

The FY18 distribution totals for the Endowment Corpus: One million- seventy four thousand dollars. The account which is held through investment pool, held by Alumni Office earns 4.5 percent a year - paid monthly. Yearly total pays out between 42 to 43 thousand dollars. This can be placed towards other projects.

We accumulate extra funds that can then be applied to project like was done a couple years ago for a Geology Engineering project for Dr. Curt Elmore. This was for the sum of $20,000 payable over 2 years.

Currently we have received request for assistance has come from Scott Miller Material Camp & Wayne Huebner for the Intro to Jackling Camp. This would be to assist for some short falls that they had experience. A meeting for the discussion for whom will get assistance will happen on April 20, 2018.

As of March 31, 2018, the balance in each of the tree accounts is:

- Loan net assets: $78,000
- Amount available for loans $55,000. Loans controlled by the department chairman
- Outstanding loans $24,000
- Available spendable $18,000

Loans are not attractive to the students. These funds are in place to assist students as they may need. As they know they will need to repay the loan back.

**Dr. Richard W. Wlezien, Vice Provost and Dean of Engineering and Computing.**

Spoke briefly about the CEC updates.

**Objective:**

- Grow the stature of the college and the faculty
- Increase ranking as evidence of this change

**Characteristics of Great Institutions:**

- **Values:** Integrity, Mutual Respect, Diversity, Inclusion
- **Practices:** Intolerance for mediocrity, Strong communication, Blend of autonomy and leadership, Universal engagement
- **Attitudes:** Apolitical, Equitable, Positive energy, Sense of mission
Constituencies = College of Engineering and Computing

- People of the State of Missouri
- Faculty and Staff
- Students and their families
- Alumni, Companies and Funders

Integrated Research Themes

- Infrastructure and Sustainability
- Manufacturing and Economic Development
- Smart Systems
- Engineering for Extremes

Associate Dean for Research

- National search in progress

Some CEC Priorities

1. Double externally funded research within 5 years
2. Implement a coordinated development effort across college to attract major donors
3. Graduate half our undergraduates in 4 years and the remainder in 5 years
4. Deliver unique undergraduates and graduate programs statewide at an affordable cost

Development Activities

- Dr. Rebecca Johnson recruited as the new Director of Advancement

Review:

- Graduate Program Ranking
- Quartile Rank by Program
- Overall Research Expenditures
- University Ranking
- Total Campus Funding
- Departmental Productivity

Strategic Plan Committee:

Kurt Oakes, Committee Chairman gave an overall update for discussion.

- Those who took part I the Strategic Planning Session that was held on October 25, 2017, facilitated by Kordell Norton
- Those who are working to create the Mines & Metallurgy Academy “White Paper” of Talking Points
- Those who have volunteered to work towards additional Legislative Engagement
- The Industry Outreach/Familiarization Group who will effort to aide the University’s; Administration, Faculty, and Student Body in gaining improved familiarity with the requisites that our Graduates will need upon entering their career path in the unique industries we service
Our Path Forward –

- “White Paper” development for Talking Points during opportunity for engagement with Decision Makers and Influencers – Ralph Flori, Tim Bradley, Rick Booth, Jim Humphries, Scott Sehlin, Kurt Oakes
- Legislative Engagement Group – Greg Skannal, Dianna Tickner, Gen Sutton, Chris Ramsay, Bill Martin
- Industry Outreach / Familiarization Group – Kurt Oakes, Matt Hinson, Bill Martin

Legislative Engagement-

- Engage our Legislators and Community Leaders
  - Local
  - State
  - Regional
  - Federal
- Discuss the Benefits that Missouri S&T Graduates and the Industries with who We as Professionals Represent
  - Economic Impacts
  - Societal Impacts
  - Educational Impacts

Industry Outreach / Familiarization

- Reach Out to the Industries and Operators in order to aide in Building Relationships and Engagement between Missouri S&T and these Unique Industries that we Educate, develop, and Provide Outstanding Graduates for
- Create opportunities for the University, and Administrators to go On-Site to experience the Work Environments that Our Graduates will be entering into:
- “Set The Table” For Our Customers;
  - The Students within Our Departmental Disciplines
  - The University of Missouri Board of Curators
  - The MO S&T Administration
  - The Programs (aka, “The 7”) We, as the M&MA Represent

**IMPROVE LEVELS OF UNDERSTANDING**

Formed a new committee – “Data Mining”

- Ralph Flori
- Wayne Huebner
- Chris Buterbaugh
- Larry Britt

Address Labs - Need to form a wish list from the Department chairs. We need to come up with solutions for the lab problems.

**Presentations Faculty Recognition Awardee:**

Dr. Richard Brow, Senior Faculty – Curator’s Distinguished Professor, Material Science and Engineering
Dr. Catherine Johnson, Junior Faculty – Assistant Professor, Mining and Nuclear Engineering
Departmental Reports:

Dr. David Borrok, Chairman, Geosciences, Geological, and Petroleum Engineering
Dr. Greg Hilmas, Interim Chairman, Material Science and Engineering
Dr. Braden Lusk, Chairman, Explosives, Mining, and Nuclear Engineering

Development Report - John Held, Director of Planned Giving

University Advancement – Thanks to the Generous Donors

Update on Major Projects:

- Advanced Materials and Construction Lab – Completed
- Kummer Student Design and Experiential Learning Center – in the works
- Shrenk Hall Renovation – in the works

Corporate Relation Restructuring:

- Research and Technology – Vice Chancellor of Research and Dean of Graduate Studies
- Recruitment – Career Opportunities and Employer Relations
- Corporate Philanthropy – Office of Development
- Distance Educations and Certificates – Distance Learning

Open Searches
Old Business:

Committee / Subcommittee vacancies filled.

Mines and Metallurgy Academy hallway in McNutt Hall - inductee’s photos have been resized to gain more space for the incoming new inductees.

New Business

The meeting was adjourned at 3:45 P.M.