

General Faculty Meeting Minutes

September 3, 2019

125 Butler-Carlton Hall, 4:00 P.M.

- I. Call-to-Order, Chancellor Mohammad Dehghani called the meeting of the General Faculty to order at 4:05 P.M.
- II. Chancellor Dehghani recognized Professor Keng Siau for the presentation of a memorial resolution in honor of Barry Flachsbart. It was moved that the memorial resolution be incorporated in the minutes of the faculty meeting with copies forwarded to family members. (See Attachment A).

Next Chancellor Dehghani recognized Professor Daryl Beetner for the presentation of a memorial resolution in honor of David Cunningham. It was moved that the memorial resolution be incorporated in the minutes of the faculty meeting with copies forwarded to family members. (See Attachment B).

- III. Chancellor Dehghani called for approval of the minutes of the May 7, 2019 meeting. The minutes were approved as circulated.
- IV. There was no unfinished business
- V. Chancellor Dehghani introduced the Officers of the General Faculty
Chancellor Mohammad Dehghani
President of Faculty Senate Steven Corns
Secretary Deanne Jackson
Parliamentarian Stephen Raper
- VI. Reports of Standing and Special Committees – None
- VII. Introduction of New Faculty

Chancellor Dehghani called on interim provost Roberts to introduce each vice provost and dean so they can introduce their new department chairs along with new faculty.

Interim provost Roberts introduced his new faculty leaders

- Richard Brow, Interim Deputy Provost for Academic Excellence
- Nancy Stone, Special Assistant to Provost for Analytics, Planning and Assessment
- Oliver Chen, Library Dean
- Kathleen Drowne, Interim Vice Provost and Dean for the College of Arts, Sciences, and Business (CASB)
- Melanie Mormile, Associate Dean of Research and External Relations for CASB
- Shannon Fogg, Interim Associate Dean of Academic Affairs in CASB

Interim provost Roberts asked associate dean Angela Lueking to introduce the new faculty and department chairs for College of Engineering and Computing on behalf of dean Richard Wlezien.

Dr. Lueking introduced from the department of Civil, Architectural and Environmental Engineering:

- Yang Wang, Assistant Professor

Dr. Lueking introduced from the department of Chemical and Biochemical Engineering:

- Joseph Smith, Interim Chair

Dr. Lueking introduced from the department of Computer Science:

- Nan Cen, Assistant Professor
- Tony Luo, Associate Professor
- San Yueng, Assistant Teaching Professor

Dr. Lueking introduced from the department of Electrical and Computer Engineering:

- Ahmad Alsharoa, Assistant Professor
- Mina Esmaeelpour, Assistant Professor
- Dong-Hyun Kim, Assistant Professor
- Qingbo Yang, Asst. Research Professor

Dr. Lueking introduced from the department of Geosciences and Geological and Petroleum Engineering:

- Jeremy Mauer, Assistant Professor

Dr. Lueking introduced from the department of Mechanical and Aerospace Engineering:

- Keith Nisbett, Acting Department Chair
- Michael Puopolo, Asst. Research Professor

Dr. Lueking introduced from the department of Mining and Nuclear Engineering:

- Ayodej Alajo, Interim Program Director of Nuclear Engineering
- Syed Alam, Asst. Teaching Professor
- Guang Xu, Assistant Professor

Interim provost Roberts asked interim vice provost and dean Kate Drowne to introduce her new department chairs along with new faculty.

Dr. Drowne introduced from the department of Arts, Languages & Philosophy:

- Shane Epting, Assistant Professor
- Taylor Gruenloh, Asst. Teaching Professor
- Kyle Wernke, Asst. Teaching Professor

Dr. Drowne introduced from the department of Business and Information Technology:

- Cecil Chua, Associate Professor

Dr. Drowne introduced from the department of Chemistry:

- Wenyan Liu, Assistant Research Professor

Dr. Drowne introduced from the department of Economics:

- Michael Davis, Interim Chair

Dr. Drowne introduced from the department of History and Political Sciences:

- Michael Bruening, Interim Chair
- Beth Petitjean, Lecturer

Dr. Drowne introduced from the department Mathematics and Statistics:

- Xiaojing Chen-Murphy, Asst. Teaching Professor
- V.A. Samaranayake, Interim Chair

Dr. Drowne introduced from the department of Psychological Sciences:

- Ting Shen, Assistant Professor

Dr. Drowne introduced from the department of Teacher Education and Certification:

- Beth Kania-Gosche, Department Chair

VIII. New Business

Chancellor Dehghani opened with a slide of new positions within his leadership team. This includes:

- Stephen Roberts as Interim Provost and Executive Vice Chancellor for Academic Affairs.
- Richard Brow, Interim Deputy Provost for Academic Excellence
- Kate Drowne Interim Vice Provost and Dean College of Arts, Sciences, and Business
- Neil Outar, Chief Diversity Officer

Next Chancellor Dehghani gave his vision and sense of direction for Missouri S&T. He stated that our ACT and High School GPA are higher than his two previous institution. He praised New Student Programs office with doing a superb Opening week with our new first-time students. Said it was remarkable how at the beginning of the week the new students were shy but by the end they have formed bonds with each other and became a cohesive team.

Chancellor Dehghani believes there are four characteristics that make a great university and a university on the rise. Those characteristics are excellent faculty, excellent students, excellent support and services, and excellent infrastructure. He summarized the strategic plan and added a few key additions to help measure our compacts and strategies. These can be found on slide 19 of the presentation.

His ten key indicators are presented on a dashboard and will be measured to ensure we are improving our metrics. Everything we do is in one of these metrics and by monitoring these metrics we will see our vision become reality.

The metrics are:

- Undergraduate student recruitment – Plans are in place to increase our undergraduate applications and recruitment efforts to ensure more first time students and transfer students enroll. We have been on a downward trend so we need to shift that back to a growing undergraduate population
- Student Success – need to improve our 4 and 6 year graduation rates as they are low compared to other peer schools. We all have a hand in this and should be helping students meet their success goals
- Graduate student recruitment – we need to have at least half as many graduate students as we do undergraduate students. Working with the recruitment offices to gain more master level students as we have capacity for enrollment at this level. We have lost in the graduate and international areas so we will be focusing on those to get our graduate student recruitment higher.
- Faculty recruitment and development – as our enrollment grows so will our

faculty lines.

- Research and Entrepreneurship - We need to do more research. There is a team, including Richard Brow and Costas Tsatsoulis that are reviewing all our policies pertaining to research and specifically how graduate students are paid. The team hopes to provide clarity and ease with the new policies coming forward. We are a very good ROI for graduate students and we need to market that.
- Finances - \$11 million deficit with budget cuts over the last year and our lower enrollment continues to hurt our budget. We must get our enrollment for undergraduate and masters student higher to sustain our current budget model.
- Development and Alumni Relations – this is a bright spot at our institution with our recent push for donations.
- Marketing and Communications – We have a gem of a school here and need to spread the word. We need to let everyone know. We need to develop more programs to attract new students. Chancellor Dehghani recently read an article about how 65% of kids in grade school during the 16-17 school year will be working in jobs that currently do not exist. He would like to know what we are doing to prepare for those jobs and how to attract those students. How do we prepare to meet those needs? How do we shift from a transfer of knowledge teaching style to one where students learn on their own? We need to be a front-runner for training for the future.
- Physical Infrastructure – the campus master plan is re-engaging and our plan is still to have our new face of the campus which includes a designated road into campus. Chancellor Dehghani stated that currently we have our most undesirable buildings facing the outside of campus such as the bureau of mines building. We need to work on our front-facing infrastructure to draw students and parents into campus.
- Information Technology – IT will need to ensure our data is safe from breaches and that we have the technology needed to teach and conduct research.

In closing Chancellor Dehghani said we will be driving by the numbers. On September 19, the Board of Trustees will have a full set of rubrics on these ten key indicators. His expectations are for our rankings will improve from 157 to be in the top 100 universities. We deserve better than our current rankings. Would like to become a R1 research university as we are currently an R2. We need to focus on getting our enrollment back up. By driving toward these three goals we will be more relevant as an institution.

A. Faculty Senate President's Report

Dr. Steven Corns announced the new officers of faculty senate for AY 2019-2020.

President: Steven Corns

Past President: Michael Bruening

President-Elect: Stephen Raper

Secretary: Kelly Homan

Parliamentarian: ?

There has been some shifting of offices in faculty senate due to Richard Dawes leaving to work for NSF. Expectations for the next faculty senate meeting to vote on a new parliamentarian.

Dr. Bruening stated that the bylaw revisions will continue to be a focus of the faculty senate this year. Tom Schuman continues to work on the revisions and believes they are close to a vote.

During the summer, the department chair CRR 20.110 was approved by the curators which annulled the section of our bylaws on chair searches. The response to feedback includes final version requires 50% of the chair search committee to be department faculty, requires department faculty input on chair reappointment and acknowledges role of chair as 'liaison' between department and administration.

Starting in fall of 2020 there will be a one week fall break the first week in October. This is in addition to our current Thanksgiving break.

IX. Announcements – None

X. Adjournment – The meeting was adjourned at 4:51 pm.

Deanne Jackson, Secretary

**Memorial Resolution
Dr. Barry B. Flachsbart
1938-2019**

Missouri University of Science and Technology and the Department of Business and Information Technology lost a valued member and professor on May 25, 2019, with the death of Dr. Barry Flachsbart.

Dr. Barry Flachsbart was a Full Professor in the Department of Business and Information Technology at the Missouri University of Science and Technology and a former Chair of the Department of Information Science and Technology. He has served the university for more than 50 years, starting as an adjunct instructor in 1966. In 2003, he became a full-time faculty member.

Dr. Flachsbart earned his undergraduate degree at Saint Louis University in 1960, later receiving his master's and doctoral degrees from Stanford University. Before joining the Missouri University of Science and Technology, Dr. Flachsbart was the founder and head of the Applied Mathematics and Computer Science Research Laboratory at McDonnell Douglas. Prior to working at McDonnell Douglas, he served as both Director and Vice President in various roles at Union Pacific Technologies.

Dr. Flachsbart was instrumental in developing and enhancing the information science and technology programs at the Missouri University of Science and Technology. He served as the program advisor for the majority of the Master of Science in Information Science and Technology students. He spearheaded the department effort that transformed the Master of Science in Information Science and Technology into one of the best technology programs in the nation. He prepared students for excellent career opportunities worldwide. Dr. Flachsbart not only worked tirelessly on curriculum issues related to the Department of Business and Information Technology, but also served on the discipline-specific and campus curriculum committees. Dr. Flachsbart received the Emeritus Professor honor in Spring 2019. Dr. Flachsbart will always be remembered as a man of integrity and a faculty member that was devoted to the success of his students.

On behalf of the faculty, staff, and students of the Department of Business and Information Technology, we extend our most sincere condolences to his family and friends, and would like to acknowledge and recognize his numerous and extended contributions over the course of his career at the Missouri University of Science and Technology.

We request that this memorial resolution be incorporated into the official minutes of the Missouri University of Science and Technology's General Faculty Meeting and copies be sent to his wife and children.

Respectfully,



Keng Siau

On behalf of the faculty, staff, and students of the Department of Business and Information Technology

Chair, Department of Business and Information Technology
Missouri University of Science and Technology

Memorial Resolution

David Ray Cunningham

Dr. David Ray Cunningham was born in 1934 in El Reno, Oklahoma. He was the son of Ray and Hattie (Kubon) Cunningham. He attended El Reno High School, graduating in 1953, and he faithfully attended and enjoyed his high school class reunions for many years thereafter. He received his undergraduate degree in electrical engineering at Oklahoma State University in Stillwater (1953). He also spent several summer vacations working on the bridge crew for the Rock Island Railroad. From 1954 to 1956 he was in the National Guard Reserves (Oklahoma) and achieved the rank of Sargent E-5 in the HQ Co. 1st BN, 179th Infantry. He received his master's degree in electrical engineering from the University of Idaho in Moscow, Idaho (1958) and his doctoral degree from Oklahoma State University (1969).

Prior to joining the faculty at University of Missouri-Rolla, Dave worked at the Hanford Nuclear Reservation, which was operated by General Electric, in Hanford, WA. Subsequently, Dave worked at the General Electric Research Laboratory in Syracuse, New York. Dave was instrumental in developing the first imaging machine that ultimately lead to the Xerox copier. In 1969, Dave joined the electrical engineering department faculty and was affiliated primarily with the communications area of the department, although his knowledge of electrical engineering also allowed him to contribute in many other areas including control systems, power, computer engineering, electronics, and electromagnetics. He worked for Conoco in Ponca City, OK for a few summers at the beginning of his academic career. Dave also wrote a textbook, "Basic Circuit Analysis" published by Houghton Mifflin in 1991 and collaborated with UMR colleague, Prof. John Stuller, to write a second edition, "Circuit Analysis" published by John Wiley & Sons in 1995. This textbook has been used for many years for the undergraduate electrical circuits course and is still used today.

Dave served for many years as the associate chairman for undergraduate studies in electrical engineering. In this capacity he was a tireless advocate for the students as well as a great resource for faculty advisors. He was a member of the academic honor societies Phi Kappa Phi and Eta Kappa Nu, as well as serving as the faculty advisor for the local Eta Kappa Nu chapter. He enjoyed teaching very much, and continued to come to the department, teach classes, and to meet with potential students and their families for many years after he retired.

Dave was also a very active volunteer for the National Committee of Examiners for Engineering and Surveying (NCEES) which would meet four times a year in Clemson, SC. Dave was on the fundamentals of engineering (FE) exam development committee for electrical and computer engineering and singlehandedly developed a significant portion of the question pool for the FE exam. He had a knack for developing reasonable exam questions in almost every area of electrical engineering covered by the exam.

Dave enjoyed bluegrass music, square dancing, and was an avid bicyclist. For a few years prior to Dave's retirement, his bicycling goal each year was to ride the Katy trail end-to-end in both directions during the summer. This was done in segments ranging from 10 miles to over 50 miles. On these rides Dave was typically accompanied by one or more riders (colleagues, students, and/or his grandson Kyle). Since the truck used to shuttle bikes and riders between the trail and Rolla was parked at the beginning of each segment, a 10-mile segment, for example, would translate into a 20-mile round-trip ride. Sometimes, the weather would be perfect, sometimes a significant portion of the ride would be accomplished at very slow speeds through torrential downpours. Most of the time however, the weather was just plain hot. Throughout these rides Dave's perseverance was an inspiration. Also, Dave's bikes were always in show-room condition (at least at the beginning of the ride). The bikes he rode were usually ones that he had personally assembled from various frames and components that he had selected. He also put together a fair number of Walmart specials for the local kids.

Dr. Cunningham was a Professor Emeritus of Electrical and Computer Engineering at the time of his passing on July 24, 2019. He is survived by his wife, Margaret Mary (Wakeford) Cunningham; a daughter, Linda M. Cunningham; and a grandson Kyle Lunsford and his wife, Amy, all of Rolla; a sister Betty Cunningham Sears and her husband, Eugene; a niece, Cynthia Cunningham, and other nephews and a niece, all of El Reno, Oklahoma; and a daughter-in-law, Minerva Cunningham, of Brownsville, Texas.

Dr. Cunningham was preceded in death by his son, Mark Stephen Cunningham; his brothers, Johnny and Paul Cunningham, and a sister, Lois Cunningham.

It is therefore requested that this memorial resolution be incorporated into the official minutes of the Missouri S & T General Faculty Meeting of xxxxxxxx, and that copies be sent to his wife and children.

Respectfully,

Richard E. DuBroff