General Faculty Meeting Minutes
December 6, 2016

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

I. Call-to-Order, Chancellor Cheryl B. Schrader called the meeting of the General Faculty to order at 4:00 P.M.

II. Memorial Resolutions
   a. Chancellor Schrader recognized David Grow for the presentation of a memorial resolution in honor of Roman Dwilewicz. The presenter was absent so the resolution will be placed on the May 2, 2017 agenda.
   b. Chancellor Schrader recognized Sahra Sedigh Sarvestani for the presentation of a memorial resolution in honor of Steven L. Grant. It was moved that the memorial resolution be incorporated in the minutes of the faculty meeting with copies forwarded to family members. The motion was approved. (See Attachment A).

III. Chancellor Schrader called for approval of the minutes of the September 9, 2016 meeting. The minutes were approved as circulated.

IV. There was no unfinished business to discuss.

V. There were no reports of standing or special committees.

VI. New Business
   a. Outstanding Teaching Awards

      Provost Robert J. Marley announced the Outstanding Teaching Awards for 2015-2016.

      They are as follows:

      | Name               | Title                       | Department                                      |
      |--------------------|-----------------------------|-------------------------------------------------|
      | Irina Iviyeva      | Associate Professor         | Arts, Languages, and Philosophy                  |
      | Terry Robertson    | Associate Teaching Professor| Arts, Languages, and Philosophy                  |
      | Lisa Snoddyler-Foster | Lecturer                  | Biological Sciences                             |
      | David Westenberg  | Associate Professor         | Biological Sciences                             |
      | Bih-Ru Lea         | Associate Professor         | Business and Information Technology             |
      | Mary Ann Koen      | Assistant Adjunct Professor | Civil, Architectural and Environmental Engineering |
      | Glenn Morrison     | Professor                   | Civil, Architectural and Environmental Engineering |
      | Mariesa Crow       | F. Finley Distinguished Professor | Electrical and Computer Engineering             |
      | Kelvin Erickson    | Professor                   | Electrical and Computer Engineering             |
      | Jonathan Kimball   | Associate Professor         | Electrical and Computer Engineering             |
      | Jagannathan Sarangapani | Professor          | Electrical and Computer Engineering             |
      | Ronald "Joe" Stanley | Associate Professor    | Electrical and Computer Engineering             |
      | Theresa Swift      | Associate Teaching Professor| Electrical and Computer Engineering             |
      | Reza Zoughi        | Professor                   | Electrical and Computer Engineering             |
      | Elizabeth Cudney   | Associate Professor         | Engineering Management and Systems Engineering   |
      | Sheryl Hodges      | Assistant Teaching Professor| Engineering Management and Systems Engineering   |
      | Ruwen Qin          | Associate Professor         | Engineering Management and Systems Engineering   |
      | Eric Bryan         | Associate Professor         | English and Technical Communication              |
      | Daniel Reardon     | Assistant Professor         | English and Technical Communication              |
      | Neil Anderson      | Professor                   | Geosciences and Geological and Petroleum Engr   |
      | Andreas Eckert     | Associate Professor         | Geosciences and Geological and Petroleum Engr   |
      | Stephen Gao        | Professor                   | Geosciences and Geological and Petroleum Engr   |
      | Kelly Liu          | Professor                   | Geosciences and Geological and Petroleum Engr   |
c. Communication from the Provost on issues specific to academic affairs. The Faculty First Fridays will be changed to determine the direction of the institution.

Chancellor Schrader highlighted a few of her goals for Missouri S&T in the following:

- Reducing regulations, tax exempt status of colleges and universities with large endowments may be challenged, returning federal student loans to private companies, basic research not a priority compared to other needs,
- Some four-year institutions are looking to offer doctoral or professional programs. The amount of funding for higher education in the state will not increase. Schools should look at their mission and obligations, it is likely the governor will have more withholdings. From the federal perspective, Senator Roy Blunt was able to retain his position and will likely continue his leadership role on several key committees. Representative Jason Smith is the new House Republican Conference Secretary which could benefit the university system. Chancellor Schrader gave a listing of University of Missouri System alumni that are in office with S&T having four.

Two task force reviews are currently underway which will result in policy recommendations in December. The first is a review of the University of Missouri System by a commission established by the leaders of the Missouri legislature. The review commission’s visit to our campus was positive. The Missouri Department of Higher Education appointed a task force to review the authority of public institutions in Missouri to grant certain degrees. Central Missouri review commission’s visit to our campus was positive. The Missouri Department of Higher Education appointed a task force to review the authority of public institutions in Missouri to grant certain degrees. Central Missouri review commission’s visit to our campus was positive. The Missouri Department of Higher Education appointed a task force to review the authority of public institutions in Missouri to grant certain degrees.

b. Approval of Candidates for Degrees

Registrar Deanne M. Jackson moved that the names on the previously circulated list of candidates for degrees on December 17, 2016, and two graduate candidates approved at the Graduate Faculty meeting held on December 5, 2016, be approved, subject to successful completion of any remaining degree requirements. The motion was approved.

c. Chancellor’s Report

Chancellor Schrader thanked the faculty for their participation in the strategic plan meetings. Follow-up meetings this spring will be in smaller time blocks. One hundred people attended the summit on November 3, and 175 attended the mid-cycle review sessions over two days the following week. Rose Horton is collecting all recommendations and will share the list and solicit feedback during town hall meetings in the spring. More information on the plan progress is available at progress.mst.edu, which contains a dashboard document, one-page summaries and detailed reports.

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Chancellor Schrader discussed the results of the recent elections on the state and federal level. In both cases, it is unclear what to expect. She highlighted a few details about the new governor, Eric Greitens. It is not yet clear what the impact will be on higher education. With the current statewide growth rate falling behind the 6% needed to fulfill budget obligations, it is likely the governor will have more withholdings. From the federal perspective, Senator Roy Blunt was able to retain his position and will likely continue his leadership role on several key committees. Representative Jason Smith is the new House Republican Conference Secretary which could benefit the university system. Chancellor Schrader gave a listing of University of Missouri System alumni that are in office with S&T having four – Senator Ed Emery, Representative Rocky Miller, State Auditor Nicole Galloway, and Secretary of State Jay Ashcroft.

Chancellor Schrader reviewed from a federal perspective what changes could be expected that would impact higher education. Some are reducing regulations, tax exempt status of colleges and universities with large endowments may be challenged, returning federal student loans to private companies, basic research not a priority compared to other needs, early push for an energy and infrastructure spending package, and no earmarks.

Chancellor Schrader highlighted a few of her goals for Missouri S&T in the following year. She asks that faculty help her to expand open and honest dialogue. She is committed to enhancing communication, and incorporating faculty input as we determine the direction of the institution. There will be more open forums and written correspondence. This will include communication from the Provost on issues specific to academic affairs. The Faculty First Fridays will be changed to...
lunches hosted by the Chancellor and other campus leaders with different faculty groups. The Chancellor’s Cabinet will also be available to engage with faculty and support them. For example, Vice Chancellor Walt Branson will invite faculty to play a critical role on a task force to examine growth and sustainability.

Chancellor Schrader thanked those who will host the freshmen legislators next week.

Chancellor Schrader ended with stating that her number one goal is to do everything in her power to clear the way for faculty success.

d. Faculty Senate President's Report

Faculty Senate President Tom Schuman presented a brief Faculty Senate President's report.

Intercampus Faculty Council (IFC) is looking at two changes to the Collected Rules & Regulations (CR&Rs). The first has to do with diversity and inclusion, and the second involves the post-tenure review policy. IFC is seeking approval of the proposed CR&R changes. When RP&A has the Tenure Policy and Personnel standing committee reports, Tom Schuman will share them with Faculty Senate.

VII. Announcements

Dr. Long asked who made up the membership of the College of Engineering and Computing Dean's Search Committee. Dr. Marley thanked Dr. Long for giving him an opportunity to share the list of committee members.

The list was read:

- CArEE: Dr. Mark Fitch
- ChBE: Dr. Daniel Forciniti
- CompSci: Dr. Wei Jiang
- ECE: Dr. Mariesa Crow
- EMSE: Dr. Stephen (Steve) Raper
- GGPE: Dr. Stephen (Steve) Gao
- MAE: Dr. James (Jim) Drallmeier
- MNE: Dr. Braden Lusk
- MSE: Dr. Michael (Mike) Moats
- Appointed: Dr. Kamal Khayat
- Appointed: Dr. Yinfa Ma
- Appointed: Mr. John Eash
- Appointed: Ms. Joan Nesbitt
- Appointed: Ms. Laura Stoll
- Appointed: Ms. Mitsy Daniels
- Appointed: Ms. Sue Simmons, Trustee
- Appointed: Mr. Steven (Garrett) Johnson, Student Council Rep to CEC
- HR, Equity & Inclusion: Ms. Rhonda Byers (Ex-Officio), non-voting

VIII. Adjournment – The meeting was adjourned at 4:45 pm.

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Laura Stoll, Secretary
Memorial Resolution for Dr. Steven L. Grant
Presented at the December 6 General Faculty Meeting of the Missouri University of
Science and Technology

Dr. Steven L. Grant, Roy A. Wilkens Missouri Telecommunications Professor of Electrical
Engineering, was born on February 10, 1958, in Kansas City, MO to the late Harold and
Sarah (Simpson) Gay. Steve grew up in Belton, Missouri, where he graduated from Belton
High School. He earned a Bachelor’s degree in electrical engineering from the University
of Missouri - Rolla (now the Missouri University of Science and Technology) in 1979.

Steve’s career began at Bell Laboratories in June 1980. His fortuitous move to New Jersey
was quickly followed by meeting Maria Randazzo, the love of his life and mother of his
two children, Jessica Maria (Jesse) and Tyler Steven. In 1981, Steve earned a Master’s
degree in electrical engineering from the California Institute of Technology. On April 24,
1982 – 34 years, to the hour - before his death, he and Maria were married in Blue Point,
NY. Their daughter, Jesse, was born in 1992. Steve earned a PhD in electrical engineering
in 1994, the same year when his son, Tyler, was born.

Steve worked at the Defense Communications division of the International Telephone
and Telegraph Corporation from 1982 to 1984. He subsequently returned to Bell
Laboratories, where he became manager of the Acoustics Research group in 2001. He
worked at the Massachusetts Institute of Technology Lincoln Laboratory from 2002 to
2004. He happily rejoined the University of Missouri-Rolla, or as he described it,
“Hogwarts for Engineers,” in 2004, where he was employed as the Roy A. Wilkens
Missouri Telecommunications Professor of Electrical Engineering until his death.

Steve was an outstanding faculty member, a committed and distinguished alumnus of
the university, and a member of the Order of the Golden Shillelagh. He served as the
President of the Missouri S&T Faculty Senate in the year before his death. He enjoyed
interacting with the students and faculty, teaching, conducting research, and the many
other facets of academic life.

Through his teaching, research, and service, Steve left an indelible imprint on both theory
and practice of telecommunications and audio signal processing. His work spanned
diverse areas that include medical imaging, radio astronomy, hearing-aid design, detection of underground tunnels and improvised explosive devices, immersive audio environments for battlefield training, and “bone conduction”-based speakers and microphones.

In over three decades of significant contribution to the field, Steve played a seminal role in advancing acoustic echo cancellation. His first major contribution was invention of the fast affine projection algorithm. A true innovator, he never hesitated to attempt unorthodox techniques that frequently resulted in creative, yet practical solutions. His most salient contributions were to the fields of stereo acoustic echo cancellation, double-talk detection, and nonlinear echo cancellation. His most recent research involved beam formers and immersive audio environments.

Steve has written four books and nearly 100 papers, and holds 14 patents. The results of his work have been cited nearly 3000 times in the scientific literature and have been featured in newspaper articles and radio programs, most recently “All Things Considered,” on National Public Radio. Steve hosted several visiting researchers, regularly testified in court as an expert witness, and served as a consultant to Microsoft, Amazon, and the Lawrence Livermore National Laboratory, among others. A special session and retrospective on his work was held in September 2016 at the International Workshop on Acoustic Signal Enhancement.

Steve was a member of the Knights of Columbus, and a devout Catholic who often attended morning mass before his workday. He served as faculty advisor to the Cardinal Newman Catholic Campus Ministry Center for several years. He enjoyed good conversation and being among friends at Rolla’s Public House Brewing Company, where his laughter and presence will be missed. Defying the one-dimensional stereotype of an engineer, Steve was very well-read, wrote beautiful poems, played the guitar, and had a beautiful singing voice. He had a twinkle in his eye and a wonderful sense of humor that brought much-needed levity to many a faculty meeting. He was compassionate to a flaw and never hesitated to “comfort the afflicted” through his gentle demeanor, thoughtful communication, and discreet assistance.

Steve’s love for his family was evident to even superficial acquaintances. As colleagues, we saw his loving care for his elderly mother, his devotion to his wife Maria, and the joy in his eyes and voice when he spoke of his children and grandchildren. When asked about
the secret to a successful marriage of over 30 years, he would reply: “Remember the three golden phrases – Yes dear, You are right, I am sorry.”

Steve is survived by his wife, Maria Randazzo Grant, of Rolla; son Tyler S. Grant, also of Rolla; and daughter Jesse Grant, fiancé Casey Sullins, and granddaughters Cecilia Philomena ("Cici") and Haylynn, of Columbia, MO. He is also survived by his sister, Marilyn Breitenstein and husband Charles of Shawnee, KS; brother Daniel Gay and wife Halina, of Lee’s Summit, MO; and nieces and nephews who held a special place in his heart.

Steve’s colleagues and the staff and students of the Department of Electrical and Computer Engineering are among many who miss his brilliant wit, dedicated scholarship and leadership, and smiling presence.

We request that this memorial resolution be incorporated into the official minutes of the Missouri University of Technology General Faculty Meeting of December 6, 2016, and that copies be sent to Steve’s wife, Maria, and children, Jesse and Tyler.

Respectfully submitted,

Sahra Sedigh Sarvestani

Daryl Beetner

Kelvin Erickson

Donald Wunsch