

**Faculty Senate Report to the Missouri Association of Faculty Senates  
Missouri University of Science and Technology  
3 October 2013  
Submitted by Martin Bohner, President-Elect**

## Continuing Activities

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1. Currently, we are undergoing a complete renumbering of our courses. The current system consists of three-digit numbers, while the new one will consist of four-digit numbers.
2. We are in the process to replace our paper forms for adding or dropping a class during the first six weeks of classes by an electronic version.
3. Currently, we are discussing the possibility of NTT (non-tenure track) faculty to serve on chair search committees.
4. The Missouri S&T Geothermal Energy Project is still ongoing on campus. When completed in 2015, this project will cut annual energy use by 50%, reduce carbon dioxide emissions by 25,000 tons a year, and cut water usage by 8,000,000 gallons a year.
5. The groundbreaking ceremony for the new James E. Bertelsmeyer Hall was on April 1, 2013. The construction has started and is supposed to be finished in summer of 2014. Then it will house S&T's Chemical and Biochemical Engineering Department.

## Other Reports

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1. We have a record high enrollment. The number of total students has hit the 8000 mark. All of the following student categories have seen an increase of enrollment: Underrepresented minority

students, female students, graduate students, nonresidential international students, out-of-state students, new transfer students, distance and online students.

2. The average ACT score of our students is 27.9.
3. Celebration of Nations just took place on September 28, 2013.
4. From FY 2012 to 2013, grants and contracts expenditures are up 5% and the number of patents filed is up by 14%.
5. The Board of Curators has approved funds to substantially upgrade S&T's experimental mine.

## Strategic Plan Update

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1. Mission: Missouri S&T integrates education, research and application to create and convey knowledge that serves our state and helps solve the world's greatest challenges.
2. Vision: Missouri S&T will be the leading public technological research university for discovery, creativity and innovation.
3. Values: Lifelong Success, Creativity, Integrity, Sustainability, Partnerships, Inclusion.
4. Themes and Actions:
  - A. Inspire creative thinkers.
    - a) Require undergraduates to participate in at least one significant experiential learning activity.
    - b) Foster innovation and creativity for faculty, staff and students.
    - c) Establish a database of measures to define student access to faculty and staff.
    - d) Create professional and leadership development opportunities for faculty, staff, alumni and students.
    - e) Encourage and enhance collaboration in teaching and research.
  - B. Raise visibility.

- a) Employ strategic hiring in select areas of expertise to support best-in-class achievements.
  - b) Leverage S&T as Missouri's technological research university.
  - c) Develop a culture of excellence in research, scholarship and creative activity.
  - d) Execute a communication and marketing plan to raise the visibility and convey return on investment.
  - e) Use current and new technology that will enhance student learning and increase faculty productivity.
  - f) Improve infrastructure that enables faculty and student abilities and accomplishments.
  - g) Address administrative structural changes to facilitate strategy and enhance national visibility.
- C. Ensure return on investment.
- a) Modify current academic programs to ensure they enhance S&T's status as a national research university.
  - b) Centralize corporate relations to improve service to existing corporate partners and establish new partnerships.
  - c) Improve facilities to enhance research and student learning and expand experiential learning.
  - d) Promote inclusion and increase diversity to remain relevant and competitive in a global environment.
  - e) Create and implement a student and alumni lifetime engagement strategy.
  - f) Devise convenient technology-based methods of accessibility and engagement with external constituents.
  - g) Market campus strengths to both domestic and international audiences.
  - h) Exercise leadership in sustainability on campus by integrating sustainability practices in daily operations.
  - i) Conduct a comprehensive fundraising campaign to secure private support for campus priorities.
- D. Increase meaningful interaction.

- a) Create a comprehensive distance and online education strategy.
  - b) Enhance instructional labs and methods of developing lab experiences.
  - c) Enhance innovative use of technologies to improve and facilitate access.
  - d) Ensure renowned faculty teach and interact with undergraduate students.
  - e) Engage in transformative doctoral student recruiting, retention and placement.
  - f) Improve student, faculty and staff mentoring and advising.
  - g) Identify and remove barriers to graduate and reduce time to degree for students.
  - h) Expand access to renowned faculty through enhanced recruiting and retention.
  - i) Promote nontraditional activities outside of the classroom.
5. Structural changes: The position of Vice Provost for Academic Affairs will be eliminated. Two new strategic positions will be introduced: The Vice Provost and Dean for Arts, Business, Humanities and Sciences and the Vice Provost and Dean for Engineering. All Arts, Business, Humanities and Sciences Departments will report to the Vice Provost and Dean for Arts, Business, Humanities and Sciences. All Engineering Academic Departments will report to the Vice Provost and Dean for Engineering. Two further newly introduced strategic positions will be the Vice Chancellor for Global & Strategic Partnerships and the Assistant Vice Chancellor for Corporate Relations.
6. The plan is to add 33 new Faculty in two years, 100 in five years. Also 500 undergraduate students and 200-400 PhD students are planned to be added in five years.