

AFSE meeting Minutes
October 26, 2018

1. **State of the Fulton Engineering.** FSE's role in the future prosperity of the region is well recognized. An asset: "World-class and nation's largest engineering school." We are the most comprehensive engineering college in the US. Engineering is responsible for 143 patents and 21 startups in the last three years. Some recent highlights: FSE just completed 3 MURI submissions, 10 faculty selected to submit full proposals to DARPA YFA, growing success with DARPA (20 awards), DOE article coming soon about recent ASU successes, two significant DOE awards, NIH awards in SBHSE and ASU's first NSF NRT award, Kern foundation awards.

We have four points of emphasis: (1) the continued evolution of our schools -- for FSE future schools what is the future formation or function/structure with an international focus. We have six schools but in the future we will have a School 7 with a global focus connected with Plus Alliance and the London Global School of Engineering (suggested). Not sure what schools 8, 9, and 10 look like. (2) faculty development – developing new models of faculty success with recruitment, retention and promotion of our faculty. (3) how to bring about campus growth and positioning of The Polytechnic School, and (4) novel ideas to stimulate program innovation that improves our programs and the quality of our graduates. All of these things are important.

Why do these things matter? They will leverage our position to achieve leadership positions – lead the list. Our students will lead the national conversation and deliver knowledge and experience that defines the future. Our faculty will serve as communities of practice that value impactful research quality teaching, a collaborative mindset and personal development. Dedicated effort and leadership is required to engage these initiatives for strategic advancement of FSE.

New addition to the Fulton Schools of Leadership: Vice Dean for Strategic Advancement, Ann McKenna. With regard to faculty development we provide mentorship such that faculty can reach their full potential. We are referring to it as the "Engineering Faculty Impact Collaborative". It encompasses all we're trying to achieve and it is an emphasis on how we provide mentorship and development so that our faculty reach maximum impact. I look forward to working with all of you. Please send any ideas you have along the way to me.

2. **AFSE Secretary Election.** The AFSE secretary position is available. Esmá Gel in CIDSE is heading the nominating committee. Anyone interested should contact her. An *In the Loop* announcement will also be published in the near future with more details.
3. **Dean's Lecture Series.** George Whiteside was dean's lecture speaker in April 2018. Send any ideas to your Executive Committee members with suggestions for future speakers.
4. **Dean's Dissertation Award.** Eighteen applications were reviewed by the Executive Committee who submitted recommendations to Dean Squires. Award winners will receive a certificate and

be recognized during the Fall, 2018 graduation ceremony. Winners are Karthik Pushpavanam (SEMTE; Advisor Kaushal Rege) and Suhang Wang (CIDSE; Advisor Huan Liu).

5. **Lecturer Criteria.** A small change in the FSE Criteria regarding the experience requirement for promotion from senior to principal lecturer will be made: “After additional advancement in skill, continued excellence in performance, ~~and additional years of experience~~ seven years minimum of experience in that role at ASU or equivalent experience, a Senior Lecturer may seek promotion to Principal Lecturer.”
6. **Bylaws.** The FSE Bylaws were updated in October with an AFSE vote planned in the near future. Major changes were made regarding information on standing committees.
7. **Faculty Annual Evaluation.** – Work on this document is in process. The document clarifies the role of faculty members, peer evaluation committees and school directors. Schools can then document unit level procedures consistent with FSE processes and gathered input. The Executive Committee prepared a comprehensive document that included updates on evaluation criteria, unit level committee composition, scoring procedures and communication and reporting protocol. The completed revision was transmitted to the Dean for review and approval. The goal was to make the process easier for all with automated performance data used as much as possible.
8. **Faculty Recognition.** The Executive Committee developed an enhanced nomination form to get consistent information on nominees. The committee reviewed nominations for the following awards:

Dean’s Exemplar Faculty Awards

Nominated by director

May involve consultation of unit level advisory committee

Eligibility is for assoc/full profs who excel in all areas of teaching, research and service

The designation is for two years; cannot get designation on a continuous basis

Current exemplars: Selcuk Candan (CIDSE), Yongming Liu (SEMTE), David Nielsen (SEMTE), Sule Ozev (ECEE), Sarah Stabenfeldt (SBHSE), Mounir El Asmar (SSEBE), Kenneth Sullivan (SSEBE), and Ram Pendyala (SSEBE)

Fulton Outstanding Assistant Professors (FOAP)

Faculty in their third year probationary review

Excelling in all three areas of research, teaching and service

Two year designation

Current Fulton Outstanding Assistant Professors (FOAPs): Heni Ben Amor (CIDSE), David Brafman (SBHSE), Brent Nannenga (SSEMTE), Yu Yao (ECEE)

Fulton Outstanding Lecturers (not handled by Executive Committee)

Outstanding lecturers and professors of practice excelling in teaching and service

Current Outstanding Lecturer: Haolin Zhu (ASA)

9. **Workload Allocation Guidelines.** The Executive Committee was asked for input for guidelines for consistency across schools and programs. Their discussions centered on criteria, considerations, costs and appropriate teaching responsibilities at various levels of dollar expenditures. This remains a work in progress – the schools are very heterogeneous.
10. **Labs 2025.** Dean Squires talked about another opportunity for faculty that involves prizes and money. Faculty are constantly thinking about new ideas but we need to try something else. We need to find a way to focus. We're going to focus on the lab experience. We're going to create a structure, process and a competition. The idea would be to spark innovation on our lab experience.

The prize competition will involve a different approach. The Dean will put an incentive in place to motivate thinking. Ideas could include: student experience on the future, preparing leaders for the future, focus lab. This is a \$1M lab competition we're calling Labs 2025. The idea behind Labs 2025 is to develop and stimulate a customized lab experience for our students at scale to meet the needs of our faculty and students. This isn't an RFP it's a prize competition. Some key words that could be used to stimulate ideas: adaptable, flexible, scalable, customizable, discoverable. We need your ideas -- this is a new way to think about it.

We will have guidelines that are generic, open ended and pretty simple. A team consisting of internal and external reps will evaluate the ideas. \$10K prize is no expectations.

Questions:

Are you allowed to add industrial partners – you can do whatever you want.

Will there be a white paper evaluation – there will be 3 rounds; 1st level is simple

Will there be a level of discussion to ascertain craziness of ideas -- yes

Are there examples of crazy, different thinking ideas that have been accepted in the past -- we've never run a prize competition so that answer is hard.

All the labs are different – this is an opportunity to affect all the labs in all the schools.