

Meeting minutes of the Engineering Student Technology Committee (ESTC)

Meeting: April 21, 2015

6:00 p.m. in Scott Bioengineering 203 (Board Room)

In attendance: Sean Brustuen (CE), Daniel Dauwe (ECE), Kristine Fischenich (SBME), Dan Herrick (ENS, ex officio), Mark Lunt (CBE), Professor Chris O'Dell (ATS), Aaron Piña (ATS), Brad Reichel (CE), Professor Sourajeet Roy (ECE), Professor Christopher Snow (CBE)

Not in attendance: Professor Rebecca Atadero (CEE), Abdullah BaGais (CBE), Briana Chamberlain (CBE), Professor Patrick Fitzhorn (ME), Adam Kattnig (ECE), Arunachalam Lakshminarayanan (ME), Landan MacDonald (ATS), Alex Mitchell (ME), Dalton Noren (Intra-departmental), James Ruppert (ATS), Professor Tom Siller (ADAA, ex officio), Aaron Smull (ECE),

Approval of meeting minutes (4/7/15)

Minutes from 4/7/15 were approved.

Announcements / Follow-up

- Internet Cafe re-design -
 - ECE – Professor Maciejewski, department head for ECE, would look more favorably upon this project if it came up next year and suggested that the committee seek some funds from UFAB.
 - ME – Herrick provided an update from Lakshminarayanan's notes. He met with Steph Rosso and the Mechanical Engineering would be interested and would like to see all Engineering departments contribute. The department would like formal proposal and would like to see the College administration be approached for possible funding before the departments. The department was also interested in splitting the contributed funds across two fiscal years, spreading cost by enrollment with a fixed amount, maybe like department allocations of software are currently done.
 - Dean McLean let Herrick know that if the departments pay for the rest, the college could pay for the new carpet (approximately \$4K).
 - Other funding options - Herrick discussed some other options, including splitting "zones" across 2-3 fiscal years. He also discussed the usage statistics for thin clients in the space. The committee discussed possible next steps, including getting commitment for funding zone 1 or 4 from the college and departments in the next fiscal year. The suggestion was to postpone any decision making until next academic year and suggest that next year's committee revisit the subject. Herrick will work on various proposal options over the summer.
 - ADA accessibility - Facilities is responsible for making sure plans meet ADA regulations.

Proposals

- **BioRadios for the Biomedical Engineering Teaching Laboratory** – SBME has requested \$11,250 to purchase 3 Bioradios for BIO300 to accommodate growth in the course. The BioRadios would be available for senior design and CBE 101 course. In excess of 10 year life expectancy. A motion was made to fund the proposal, then was seconded and passed.
- **Analog Discovery Multifunction Device** – Professor Roy spoke with the ECE Department Chair, Dr. Maciejewski and Professor Milton about the proposal. The proposal supports equipment for the Introduction to Electrical Circuits - ECE 103 course. The course has seen increases in enrollment with 95 students in the class last year. This is a mandatory course for all freshmen in

the ECE program. Dr. Maciejewski is willing to provide up to 50% in matching department funds for the proposal. The equipment is expected to have 5-7 years of life. The equipment will also be used for other courses which have a lab component that has need for oscilloscopes and signal generators, including some 300 and 400-level courses. A motion was made to approve the proposal at the revised amount of \$14,350. The motion was seconded and passed.

Budget review

- **Revisit Servers and networks budget** –Keist revised the server replacement budget to include five Windows compute servers. The Windows Compute Servers will have a large amount of RAM and more powerful processors. This will allow ENS to direct traffic to better resources and reduce the overload on the thin farm and Virtual Lab along with alleviating issues of incorrect research usage of classroom-specific software licenses. Keist discussed purchasing a new projects server/storage system. This purchase will lower the overall cost of centralized storage. The changes to the server and network budgets netted an overall savings of about \$8K.
- **Revisited discussion of smart boards** – The committee revisited the discussion of smart boards. The final decision made was to upgrade the smart boards in the classrooms and remove the smart boards in the design studios.
- There was a motion to approve the budget, then the motion was seconded and approved.

2015-2016 Chair Nomination/Election

Fischenich opened up the floor for nominations or volunteers to serve as Chair for the upcoming academic year. Dauwe volunteered and was elected to serve as the 2015-2016 ESTC Chair.