

ESTC Minutes  
Engineering Student Technology Committee  
Monday, April 17, 2017, 4:00-5:00pm  
Scott Bioengineering Room 203

**Present:** Sean Freeman (ATS), Peter Marinescu (ATS), Kristen Jackson (SBME), Andrew Jones (ME), Zachary Gebhardt (Intra-Dep), Kelley Branson (ENS), Nick Stratton (ENS), Daniel Dauwe (n/a), Dylan Machovec (ECE), Emily Fischer (ATS), Brian Munsky (CBE), Luke Flores (CEE), Megan Scott (CEE)

**Absent:** Zachary Bodmer (CBE), Sandra Biedron (ECE), Trevor Aguirre (ME), Ryan Austin (CEE), Anthony Marchese (Associate Dean for Student Affairs), Tammy Donahue (ME), Peter Nelson (CEE), Cam Key (ECE), Dylan Ryden (ECE), Noah Beck (CBE)

### **Old Business & Welcome**

We approved the minutes from the March 27, 2017 meeting.

### **New Business**

#### 1. Email Migration

Kelley spoke to the committee about some of the history of the Office 365 email migration and discussed some of the positives (i.e., everyone on the same calendar, email system) and negatives (i.e., having to move over to this new system). Students get to vote on this (whether they want to be migrated to Office 365 or not), so Kelley wanted to make us aware of this.

#### 2. Special Proposals (below)

Voting for the proposals took place after the last ESTC meeting, via an online voting sheet. The results are specified below.

##### 2A. Internet Cafe

17 Yes, 0 Partial, 0 Maybe, 0 No

The Internet Café Project has been funded, and the ESTC is providing \$12,000 dollars to this project, with the remaining funding coming from UFFAB. Nick Stratton mentioned that they are now starting the design element of the project, and if anyone on ESTC is interested in being involved in this aspect (i.e., color schemes, materials) to contact him. Nick Stratton also mentioned he will pass along design information to the committee once it is available.

##### 2B. Senior Design Space in B/C Infill

5 Yes, 9 Partial, 2 Maybe, 1 No

Majority Partial vote. In summary, the committee feels that this project would be a large benefit to the students of the College of Engineering, but the ESTC cannot fund the entire amount requested (\$90,000), due to the limited funds of the ESTC. It is important to note that this project did not receive UFFAB funding. It was suggested that we partially fund this project over the

course of several years, in order to avoid forward spending all our special project funding now and have this funding conditional on the project receiving funding from other sources. It was suggested that we fund between \$60,000 and \$75,000 for this project, but this figure will be finalized at the next meeting once we have a better sense of the budget.

#### 2B. Data Center Exhaust Fan Completion

7 Yes, 4 Partial, 2 Maybe, 4 No

This proposal received the most mixed voting without a majority decision. As such, we spent the most amount of time discussing this proposal. Kelley explained that the exhaust fan is a completion of the original design and intent. When the problem was addressed last year, Facilities gave the College three options, each built on the next. The lowest-costing option was to simply put the fan in. The highest included the building of the walls up to the ceiling deck so that the air is being pulled only from the cluster hot aisle area in the computer room itself and not the hallways and other spaces on the Scott 4th floor. For whatever reason, the cheaper option was chosen, possibly to see if that would do the trick. ENS has found that too much air is pulled from other areas and it is not efficient enough to keep the computers cool during a power/ac outage before systems administrators can get to the room to shut equipment down. Therefore, this is NOT a fix of the work done last year and should be viewed as a completion. Also, it was confirmed that 56% of the servers in the room were used for student/academic purposes and that the original installation was split similarly (50/50) between the ESTC and the College of Engineering last year. Based on this information, some committee members indicated that their votes may change, and as such, it was decided to re-vote on this proposal via the online voting sheet.

#### 3. Budget

It is planned to go over the budget in detail at our next and final meeting of the 2016-2017 ESTC. This will likely be a 2-hour meeting in order to get through everything that needs to get done.

#### 4. MATLAB licenses

Nick asked how the ESTC would feel funding Engineering's portion or partial portion of a campus-wide MATLAB license. It would be easier for students to obtain a license. Personal copies would go away under this scenario (i.e. students purchasing a local copy on their personal computers); toolbox license issues would also be mitigated by this plan. However, there would be no difference between research and academic licenses, which could complicate the funding. The cost would go up for ESTC, but the exact amount has yet to be determined. ESTC currently pays about \$7K for College-wide classroom licenses. The committee would like to continue this discussion when Nick and the other campus entities have had another meeting to discuss.

#### 5. Nominations for 2017-2018 ESTC Chair

Nominations for chair were discussed, and Andrew Jones self-nominated. A decision was made to bring in more members who were absent to see if there are any more nominations.