

ESTC Minutes
Engineering Student Technology Committee
September 12, 2017
5-6pm
Scott Bioengineering Room 203

Present: Andrew Jones (Chair, ME), Sarah Martinez (ME), Bryan Burk (ME), Sean Freeman (ATS), Erik Nielsen (ATS), Prof. Michael Bell (ATS), Kristen Jackson (SBME), Noah Beck (CBE), Mohammad Tanhaemami (CBE), Prof. Chris Snow (CBE), Ian Stockdill (CEE), Prof. Joe Scalia (CEE), Al Alothman (ECE), Dylan Machovec (ECE), Kelley Branson (ENS), Mark Ritschard (guest-College Operations), Daniel Dauwe (guest-ECE)

Absent:

Prof. Tammy Donahue (ME), Luke Flores (CEE), Megan Scott (CEE), Cameron Key (ECE), Zachary Gebhardt (intra-departmental), Maryam Tidjani (intra-departmental), Nick Stratton (ENS)

Old Business & Welcome

Welcome and Introduction of Members

Copies of the agenda and Membership Checklist (attached) were handed out.

Approval of April 26 Minutes

The minutes from the April 26 meeting were unanimously approved. (attached)

ESTC Overview Presentation

Kelley and Mark gave a presentation of the ESTC, what it does and who it is responsible to plus an overview of the budget for this year which was approved by last year's committee in April. See attached presentation. A copy of the budget was passed around (included in the presentation).

Everyone is encouraged to visit the ESTC website:

<https://www.engr.colostate.edu/students/current-students/estc/>

Please look over the CFT Manual which guides the ESTC (attached).

The budget, proposals and associated files may be accessed at any time by all members of the ESTC at:

T:\Committees\ESTC

If you have trouble mapping this, please contact Kelley (kelley@atmos.colostate.edu).

Internet Cafe Remodel

Kelley described the upgrades to the Internet Cafe which includes expanded seating, new tables, new computers and larger monitors, new carpet and paint and more. She encouraged everyone to stop by and see it. The work was completed last week. This was partially funded by the ESTC and UFFAB.

Scott Data Center Exhaust Fan - Wall Completion

The emergency exhaust fan wall completion is set to begin Sept 20. An upper wall that ends at the ceiling tile level between the hallway/elevator area and data center of the Scott 4th floor will be extended to the deck level so that air is not drawn from the hallway but from the data center only during a power outage before the servers can be brought down. This was partially funded by the ESTC.

Senior Design Space Project

Dr. Anthony Marchese described where this project is. It did not get the votes to be funded by UFFAB but the ESTC voted to fund it's portion, showing that the ESTC believes it is important enough. The project would partially fill the second floor of the B/C Infill providing a large, furnished area for senior

design projects, meeting areas and collaboration. A possible donor to the project was impressed that the ESTC voted to fund a portion and this may encourage them to go ahead with a donation.

Next Year's Budget Changes

ENS worked through many replacements in the Labs and at the systems infrastructure over the summer and updates were made to next year's budget worksheet to reflect this. The committee will be presented with this at a later meeting.

I2P 3D Printing Lab

Dr. David Prawel would like to give a presentation and tour of the Idea-2-Product 3D printing lab. The committee decided to invite him to the next meeting.

Matlab and University-wide Licensing

Currently, the College of Engineering and the ESTC fund Matlab licenses and licenses for associated toolboxes. We have run out of toolbox licenses frequently and the licenses are divided into "academic" and "research" and are very difficult to maintain and inventory who has what toolbox licenses. "Research" is a Matlab term. "Academic" licenses may only be used in a classroom teaching environment so if a student is doing a project outside of the classroom for a class, they must use a "research" license. An effort was started last year to bring all Matlab users across CSU into a university-wide license. This would eliminate research vs academic licenses and we would have unlimited licenses for all toolboxes we use and more. All colleges who use Matlab are on board except for the College of Natural Sciences who are concerned about price. They will be making a decision in October. If they decide not to go in on a university site-license, the deal may fall through but Nick Stratton, ENS Instructional Technology and Computer Lab Manager (ITCLM), will try another idea to get this funded. The ESTC appeared to be very much in favor of pushing for a university-wide license effort.

New Business

Reserving the Internet Cafe

The Internet Cafe used to be reservable both for the old conference room inside it and for the whole room. The committee had concerns about the whole room being reservable and voted unanimously not to make it reservable. This has been taken off the list of reservable rooms on the ENS website.

ESTC Positions Not Filled

Two positions remain unfilled on the ESTC:

Dept of Electrical and Computer Engineering - faculty member

Dept of Chemical and Biological Engineering - undergraduate member

ESTC Secretary

Andrew asked if anyone would like to serve as the Secretary and take meeting notes. There were no takers. It was decided that someone would volunteer at the beginning of each meeting. Kelley will take the notes and put them on the website.

CETC Volunteers

Kelley explained that all ESTC faculty plus a graduate and undergraduate from the ESTC serve on the College of Engineering Technology Committee (CETC). This committee oversees all common computing technology policy in the College and meets once or twice a semester. Bryan Burk volunteered to be the graduate member and Ian Stockdale volunteered to be the undergraduate volunteer. Thanks to both!

Scott Poster Cutter

An early proposal came in from SBME asking for a poster cutter in the Scott Bio building (attached).

After a lively discussion, it was decided that the committee invite the proposers to come answer some questions about the need and if one is purchased for Scott, it might be nice to have one in Magellan and Atmospheric Science where other poster plotters are.

Next Meeting

The next meeting will be in late October when the College of Natural Sciences has made it's decision on Matlab. Dr. Prawel, Brett Beal and Charlotte Mitchell will be invited guests.

Respectfully submitted by Kelley Branson