

**ESTC Minutes**  
*Engineering Student Technology Committee*  
April 6, 2023  
1-2pm Scott Bio 203

**Present:**

ATS : Nick Falk, Eric Goldenstern

CBE : Prof. Chris Snow

CEE : Julie Robinson, Jiate Li, Branch DeMersseman, Prof. Jordan Jarrett

ECE : Luke Shuttleworth,

ME : Miguel Valles Castro, Ross Leopold (Chair), Jaren Fleischman

SE : Prof. Daniel Herber, Fletcher Ouren

SBME :

Ex-Officio : Kelley Branson (ETS)

Guests : Nick Stratton (ETS), Steve Johnson (ME/I2P)

**Absent:**

ATS : Prof. Steve Miller

CBE : Parsa Ghadermazi

CEE :

ECE : Prof. Mahdi Nikdast, Aaron Davis, Amin Mahdian

ME : Prof. Kirk McGilvray

SE :

SBME : Jaiden Oropallo

Ex-Officio : Prof. Karan Venayagamoorthy (Academic Affs)

**Old Business & Welcome**

**Welcome and Minutes**

- Ross welcomed everyone. Kelley brought in cookies.
- The minutes from the March 21, 2023 meeting were approved and will be posted to the ESTC website by Kelley. These and other ETSC documents are available to ESTC members at the following:  
<T:\Committees\ESTC>  
If you are unable to get into this drive space, let Kelley know.

**Old Business & Announcements**

none

## New Business

### Idea 2 Product (I2P) Lab Presentation

Steve Johnson, MECH Lab Manager and co-director for the I2P Lab gave a verbal presentation on the Lab.

- I2P labs is going into the 4<sup>th</sup> generations.
- Dr. Pratt started I2P and has moved more into a research group.
- Most printers have been replaced with prucias from the lazbots which were top-of-the-line.
- I2P has moved to a new location with more printers, research, and maintenance areas.
- Rizza Printer that can print injection molds.
- Working with the library to do a “rental” program to allow for better access and more use.
- \$50/ month for rent.
- Start a program to determine how much use is being had on the printer.
- Still working on how
- Training has been greatly simplified for anyone at any time.
- That allows you to go into a membership for \$23 for more advanced help and better training for all students (ENGR and non-ENGR)
- Have training for those who don't know how to use 3D CAD modeling to give more access to non-engineering users.
- 25% increase in non-engineering users. (Business, agriculture)

### Now:

- Using to leverage into helping close the gender gap in the engineering group.
- Outreach activities for closing the gender gap.
- General tours for CSU admissions for all students. Ongoing discussions.
- Glover's new building could help I2P grow more with funding and marketing.
- Finishing a program with Front Range to help with 3D printing and Engineering.
- Libraries have been a great place to promote 3D printers for future use by all ages.
- Driving costs down from \$23 to \$0 for training and PLA filament for printing.
  - Working with electrical and computer engineering to do this by helping them retain more students.
- CBE and EE are showing more explorational learning, just like ME, to help to recruit.

Kelley will invite an I2P presentation in the fall with the new ESTC members.

### New Chair Election

Miguel Valles nominated himself for ESTC Chair. No other nominations were obtained. Miguel was unanimously voted in as AY24 Chair contingent upon the ME Department Head allowing him to run a third term (this was approved on 4/7/23). Congrats, Miguel!

### Member Turnover and Letters

- If you are finishing your second term, thank you very much for serving and best of luck!
- If you are finishing your FIRST term, we will see you in the fall. ESTC term is for two years. If you cannot fulfill this, please email Kelley as soon as possible.
- If you were an active member of the ESTC, and would like a letter of service for a resume or other reason, Kelley is happy to provide one.

### **Next Meeting**

This concludes our Academic Year 2023 ESTC business. Thanks to all of you, and see some of you in the fall.

Meeting was adjourned at 1:50pm.

*Respectfully submitted by Miguel Valles with modifications and additions from Kelley*