

ESTC Minutes  
April 20, 2016  
Engineering B214

Daniel Dauwe called the meeting to order at 5:05pm

**Strategic Initiatives Presentations & Discussion**

Some presentations were made and concerns were discussed and addressed. Motion was made and approved to fund all proposals except the Center for Unmanned Aircraft Systems and the Constant Temperature Baths. See Proposals notes, below, for full details.

**FY17 Budget Discussion**

Suggestion to define metrics for funding future Strategic Initiatives — if not for this year (due to lack of time before budget is due) but certainly as a suggestion for next year's ESTC.

Motion made to approve the I2P 3D Printing Lab allocation. Motion passed. This was the final unapproved piece of the budget.

Motion was made to approve the FY17 budget including the approved strategic initiatives either with the Constant Temperature Baths or without them based on what the committee hears back from the proposer.

**ESTC Committee Chair for Next Year**

A request for interest in the Committee Chair position for next year was made. Nobody in attendance was interested at this time. Daniel will email everyone. It is best to have someone chair who has been on the committee for at least a year. Please consider this important role.

**Strategic Initiative Proposals**

**Mechanical Engineering**

Mechatronics Laboratory Upgrades

**APPROVED**

Thermofluids Laboratory Upgrades co-proposed with CEE

**APPROVED**

**Electrical and Computer Engineering**

Zynq ARM/FPGA boards

**APPROVED**

Virtual Reality Lab

**APPROVED**

Enhancing Undergraduate Dam Education

**APPROVED**

Senior Design/Open Option Student Projects Lab

**APPROVED**

**Civil and Environmental Engineering**

Shake Table Presentation

Joe Wilmetti, Civil and Environmental Engineering (CEE) Lab Manager, presented the CEE Department Shake Table proposal with slides. Professor Darrell Fontane brought an example of a structure made with reusable materials to show.

**APPROVED**

DAQ Upgrade for Geotechnical Lab

**APPROVED**

Materials Testing System for Structures Lab

Joe Wilmetti presented and further clarified this proposal.

**APPROVED**

### **Atmospheric Science**

Data Storage Presentation

Professor Emily Fischer and graduate student Erik Nielsen presented this proposal noting that graduate students in Atmospheric Science are using this in their classwork.

**APPROVED**

Meteorological Instrumentation Presentation

Professor Emily Fischer and graduate student Erik Nielsen answered some concerns regarding this proposal noting similar clarification to the proposal above.

**APPROVED**

Air Quality Teaching Laboratory

**APPROVED**

### **Chemical and Biological Engineering**

Constant Temperature Baths

This proposal is lacking in details. A committee member had a concern that Constant Temperature Baths are currently running much less than what the proposal is asking. The committee decided to ask for a quote from Brad Reisfeld to justify this before making a decision.

**PENDING**

Spectrophotometers for Undergrad Labs

**APPROVED**

Spectrophotometers for Undergrad Labs

**APPROVED**

### **ASSOCIATE DEAN FOR RESEARCH**

Unmanned Aircraft Systems

It was voted to push this proposal into next year's committee.

**NOT APPROVED**

ESTC Meeting Attendance  
4/20/2016

Name	Department	
Prof. Anthony Marchese	Academic Affairs	
Erik Nielsen	Atmospheric Science	<i>Erik R Nielsen</i>
Peter Marinescu	Atmospheric Science	<i>Peter Marinescu</i>
Prof. Emily Fischer	Atmospheric Science	<i>Emily Fischer</i>
Kristine Fischenich	Biomedical Engineering	<i>Kristine Fischenich</i>
Abdullah BaGais	Chem. & Bio. Engineering	
Zachary Bodmer	Chem. & Bio. Engineering	
Elaheh Alizadeh	Chem. & Bio. Engineering	
Prof. Brian Munsky	Chem. & Bio. Engineering	<i>Brian Munsky</i>
Sean Brustuen	Civil & Env. Engineering	
Chaz Myers	Civil & Env. Engineering	<i>Chaz Myers</i>
unfilled	Civil & Env. Engineering	
Prof. Peter Nelson	Civil & Env. Engineering	<i>Peter Nelson</i>
Aaron Smull	Elec. & Comp. Engineering	
unfilled	Elec. & Comp. Engineering	
Daniel Dauwe	Elec. & Comp. Engineering	<i>Daniel Dauwe</i>
Prof. Sourajeet Roy	Elec. & Comp. Engineering	<i>Sourajeet Roy</i>
Kelley Wittmeyer	Engineering Network Services	<i>Kelley</i>
unfilled	Intra-departmental	
unfilled	Intra-departmental	
Ray Huff	Mechanical Engineering	<i>Ray Huff</i>
Jordyn Dahlke	Mechanical Engineering	
Arunachalam Lakshminarayanan	Mechanical Engineering	<i>Arunachalam Lakshminarayanan</i>
Prof. Tammy Donahue	Mechanical Engineering	<i>Tammy Donahue</i>

*Joe Wilmetti Civil & Enviro Engr.*

*DARRELL FONTANE Civil & Enviro. ENGR*