

Meeting Minutes of the Engineering Student Technology Committee (ESTC)

Meeting: 1 April 2013

5:00 p.m. in Engineering B214 (Engineering Dean's Conference Room)

In Attendance: Adam Allevato (ME), Nicholas Davis (ATS), David Duncan (ATS), Professor Patrick Fitzhorn (ME), Ryan Friese (ECE), Dan Herrick (ENS, ex officio), Vaishak Gopi (CE), Professor Chris O'Dell (ATS), Professor Ashok Prasad (CBE), Peter Riedo (ME), Danny Szczotka (ECE), Jessica Tryner (ME), Tyler Wible (CEE), Todd Zurlinden (CBE)

Not in Attendance: Sean Franklin (CE), Professor John Labadie (CE), Professor Kevin Lear (ECE/SBME), Ben Melia (Intra-departmental), Professor Tom Siller (ADAA, ex officio), Patrick Stockton (SBME), RB Stuart (ME)

Guests: Angie Addie (ENS), Christopher Bareither (CE), Thomas Bradley (ME), Adam Rydbeck (ATS), Joe Wilmetti (CE)

- ESTC Proposals

Professor Bradley presented a proposal to purchase 3 Agilent 60504b Load Modules for the EcoCAR senior design project. The amount requested was \$3,300.

Professor Bareither presented a proposal to fund the building of a physical scale model for CIVE 355/356. The total amount requested was \$10,000.

Wilmetti presented a proposal to purchase a GPS system to replace outdated equipment. The amount requested from the ESTC was \$9,434 (splitting one third of the total cost of \$14,150 with the CEE department).

Wilmetti presented another proposal for the purchase of data acquisition instrumentation for the structures lab that would enhance hands-on learning. The total amount requested from the ESTC was \$8,321.52 (splitting one third of the total cost of \$12,482.28 with the CEE department).

Professor Fitzhorn presented a proposal to purchase National Instruments equipment for the materials lab to support MECH 231. The total amount requested was \$7,213 (with a 50% match in funds being provided from the ME department).

Professor Fitzhorn presented another proposal to purchase computers and National Instruments equipment to replace obsolete equipment for the MECH 338 Thermofluids course. The total amount requested was \$5,610 (with a 50% match in funds being provided from the ME department).

Professor Fitzhorn presented an additional proposal that combined the two previous proposals. This combined proposal leverages both proposals to gain a greater discount on the NI equipment. If both proposals were funded, there would be an approximated \$2,500 overall savings on the equipment.

Zurlinden presented a proposal to fund the purchase of an HPLC for CBE. The total amount requested was \$19,739.25 with a 50% match in funding coming from the CBE department.

Davis presented a proposal to update the Local Data Manager and a data server at Atmospheric Sciences. The total amount requested was \$7,815 with a 50% match coming from the ATS department.

Riedo briefly discussed the proposal to purchase a Bookeye scanning station. The amount requested to make this purchase was \$10,328 to \$10,657.

Riedo began discussion of the proposals with reminding the committee that there was an additional \$5,000 available that the committee had tentatively committed to funding Engineering II.

Herrick went over each proposal quickly to get an idea of whether the committee felt a proposal had value and merited funding. The committee decided not to fund both the Bookeye and Geotechnical Physical Model Systems proposals.

A motion was made to remove the tentative additional commitment of \$5,000 to EII this year and make it available to fund proposals. The motion was seconded and approved.

The committee discussed funding the CEE proposals at 50% cost share with the department instead of the requested 66% cost share. Monitors were removed as a cost from the ME proposals as ENS will be providing used 19" monitors and the additional savings by funding both ME proposals were deducted from both proposals. Additional cost savings are also anticipated by funding both the ME and CEE proposals as purchasing the equipment together will result in a higher discount percentage from National Instruments.

A motion was made to fund the proposals as listed in the chart below. The motion was seconded and passed.

Proposal Title	Department	Contact	Funds Granted
High Performance Liquid Chromatography	CBE	Brad Reisfeld	\$19,739.25
Civil Replacement GPS Unit	CEE	Joe Wilmetti	\$7,147.00
DAQ for Structures Lab	CEE	Joe Wilmetti	\$6,304.00
Atmospheric Science LDM and data server upgrade	ATS	David Duncan	\$7,815.00
Mech 231 Lab	ME	Patrick Fitzhorn	\$6,563.00
Mech 338 Lab	ME	Patrick Fitzhorn	\$4,560.00
MERC Load Modules	ME	Peter Riedo	\$3,300.00
		Total	\$55,428

- UCFT – Increase in Assistive Technology Fee

Herrick informed the committee that the UCFT has voted for and approved an increase in the amount of funding for assistive technology.

- UTFAB – ERC Design Studio Proposal

Herrick discussed the proposal he submitted to UTFAB in the amount of \$40K to pay for the equipment in the ERC Design Studios.

Riedo solicited interest for running for chair for next year’s committee. Gopi expressed interest. Elections will be at the next meeting.

- **Next meeting 4/29/13 – ENGR B214** (Dean's Conference Room)
- **Meeting adjourned** - 6:45 p.m.