

Engineering Student Technology Committee

Meeting minutes for April 19, 2000 - Engineering B214 Conference Room - 8:00am

Present: Torrey Burgess (ME), Megan Donovan (ECE), Jennifer Flint (ECE),
Prof. Garcia (CBE), Mike Holland (ME), Prof. Nassar (ECE),
Lance Parker (CBE), Jenny Po (intra), Mark Ritschard (ENS),
Jessica Rupp (ME), Laurent Simon (CBE), Dan Stiles (CE), Prof. Willson (ME)

Absent: Michelle Heintz (CE), Prof. Labadie (CE), Sarah Legoza (CBE),
Bala Natarajan (ECE), Marcel Zibognon (CE)

- Corrections to previous meeting minutes (4-5-00, 4-12-00)
was not mentioned; tabled until next meeting

- Proposals: Prioritization & Approvals

All of the requests were reviewed in terms of meeting the requirements of the Charges for Technology Manual and only the one for Moments Magazine seemed suspect. After much discussion against the proposal, Ritschard moved that the request be denied and it was seconded by Donovan. The motion passed 12-1 with Burgess dissenting.

By consensus, the requests for a computer for the AERC and the request for HYSIS software were moved to the CBE allocation.

After some discussion regarding moving the requests for FLUENT and FIDAP to the CE allocation, Burgess moved that FLUENT be moved to CE and FIDAP be denied. Holland seconded the motion, which was defeated 11-2 with Burgess and Holland in favor.

It was agreed to reduce the ME Welder request by \$2,501 to eliminate the excess in requested funds.

Ritschard then requested that each member of the committee rank the remaining 16 proposals in the central pool, adding any desired comments to their ranking. The averaged ranks will then give us a place to start next week.

- Printing quotas
tabled

Submitted by
Mark Ritschard

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Engineering Student Technology Committee

College of Engineering

Colorado State University

Charges for Technology Proposals, 1999-2000

Proposals against central funding *(listed in the order received)*

- Purchase of FIDAP Computational Software: Meroney, et al
- Wireless Communication Channel Modeling: Nassar
- Card Reader Locks for Rooms B109, C105, C107, and C207: Lile & Aurand
- Computer Upgrades in the Systems and Electronics Laboratories: Lile & Aurand
- H.P. Semiconductor Parameter Analyzer: Lile, et al
- Lab Proctor Support: Lile & Aurand
- College of Engineering Web Server Replacement: Keist, et al
- Modernization of the Glover Computer Lab: Young, et al
- Computer for Moments Magazine: Young, et al
- Request for Replacement computer: Legoza & Whitt
- Computer Infusion to Instructional Labs: Tong
- Cost Share for NSF Equipment Grant for the Thermofluids Lab: Tong & Grigg
- Thirty additional seats of Camgride Engineering Selector software for the Lockheed-Martin Engineering Design Studio: Fitzhorn, Siller, & Jayasumana
- 20 seat FLUENT CFD software license for the Lockheed-Martin Engineering Design Studio: Fitzhorn, Meroney, & Smith
- Hardware upgrades for Glover 146c Undergraduate Computing Laboratory: Gonzales & Murphy
- Digital Image Processing Systems: Azimi, Jayasumana, & James
- Dynamic and Steady State Simulation using HYSIS: Karim & Murphy
- Print Quota Software: Ritschard, Mapel, & Van Noy
- Sun Ray facility: Ritschard, et al

Proposals against departmental funding *(listed in the order received)*

Chemical and Bioresource Engineering

- Simulation and Design of Biological Processes using Superpro Designer: Karim & Murphy
- Omnistar 1 year satellite subscription for GPS differential correction: Garcia & Ayers
- Hardware Upgrades for Dept. Chem. & Bio. Eng. Undergraduate Courses: Gonzales & Murphy

Civil Engineering

- Technical Support for the Civil Engineering Computing Labs: Labadie
- Magnetic Card Readers for Student Entry to CE Labs: Labadie
- ESRI Site License for Geographic Information System Software: Labadie
- Increased Number of NT Workstations for the GIS Engineering Design Lab: Labadie

Electrical and Computer Engineering

- Laboratory Maintenance: Lile & Aurand
- Software Licenses: Lile & Aurand

Mechanical Engineering

- CNC Milling Machine: Tong & Smith

- Wireless Radio Set: Tong & Smith
- Upgrading the Cambridge Materials Selector (CMS) software to Cambridge Engineering Selector (CES) Software: Sampath, et al
- Repair and Upgrade of Refrigeration Experiment in Thermal Fluids Laboratory: Loehrke & Tong
- Adept Robot Repair: Alciatore, Troxell, & Burgess
- Welder: Smith & Tong

Proposals summary, 1999-2000

Fund	Title	Supporters	Cost	Fund Balance
Central				\$86,400
Central	FIDAP Software	5 CE & 3 ME profs	\$2,000	
Central	Wireless simulation Software	Prof. Nassar (ECE)	\$2,795	
Central	ECE card readers	1 ECE prof & 1 ECE staff	\$3,000	
Central	ECE lab upgrades	1 ECE prof & 1 ECE staff	\$10,575	
Central	ECE Semiconductor Analyzer	2 ECE profs & 1 ECE staff	\$33,000	
Central	ECE lab proctor	1 ECE prof & 1 ECE staff	\$6,000	
Central	Web Server	5 ENS staff & 4 students	\$5,920	
Central	Glover lab	39 students	\$30,000	
Central	<i>Moments Magazine</i>	14 students	\$1,500	
Central	AERC computer replacement	2 students	\$1,500	
Central	ME lab computers	1 ME prof	\$34,000	
Central	NSF Thermo Cost Share	1 ME prof & 1 CE prof	\$20,000	
Central	CES software	1 ME prof, 1 CE prof, 1 ECE prof	\$3,565	
Central	FLUENT software	1 ME prof & 2 CE profs, 1 ECE prof	\$2,000	
Central	Glover 146 Lab upgrades	1 CBE prof & 1 CBE staff	\$16,000	
Central	Digital Imaging	3 ECE profs	\$9,000	
Central	HYSIS	2 CBE profs	\$1,000	
Central	print quota software	3 ENS staff	\$2,500	
Central	Sun Rays	2 students & 3 ENS staff	\$13,000	
Central		Requested Total	\$197,355	\$100,955
CBE				\$12,500
CBE	SuperPro software	2 CBE profs	\$1,024.50	
CBE	GPS Signal	2 CBE profs	\$800	
CBE	Lab upgrades	1 CBE prof & 1 CBE staff	\$5,000	
CBE		Requested Total	\$6,824.50	\$5,675.50
CE				\$22,800
CE	Tech Support	Prof. Labadie	\$12,480	

<i>CE</i>	Lab Entry Card Readers	Prof. Labadie	\$2,240	
<i>CE</i>	ESRI software	Prof. Labadie	\$1,650	
<i>CE</i>	GIS workstations	Prof. Labadie	\$4,000	
<i>CE</i>		Requested Total	\$20,370	\$6,430
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<i>ECE</i>				\$19,800
<i>ECE</i>	Lab Maintenance	1 ECE prof & 1 ECE staff	\$12,440	
<i>ECE</i>	Software Licenses	1 ECE prof & 1 ECE staff	\$7,360	
<i>ECE</i>		Requested Total	\$19,800	\$- 0 -
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<i>ME</i>				\$25,500
<i>ME</i>	CNC Milling Machine	2 ME profs	\$12,644	
<i>ME</i>	Wireless Radio Set	2 ME profs	\$1,723	
<i>ME</i>	CMS software	3 ME profs & 1 ME staff	\$6,060	
<i>ME</i>	Refrigeration upgrade	2 ME profs	\$692	
<i>ME</i>	Dewar	2 ME profs	\$1,216	
<i>ME</i>	Robot Repair	2 ME profs & 1 student	\$2,198	
<i>ME</i>	Welder	2 ME profs	\$3,468	
<i>ME</i>		Requested Total	\$28,001	\$2,501