

Academy of Electrical and Computer Engineering (AECE)
Minutes of Annual Business Meeting
Thursday, April 17, 2008

Attendees:

| | | | |
|------------------|---------------|-------------------|-------------------|
| Lloyd Brunkhorst | Phil Browning | Richard Eimer | Kelvin Erickson |
| D. Ronald Fannin | Greg Harris | Leonard Laskowski | Dennis Leitterman |
| James Leonard | Sandra Martin | Charles Naslund | Michael Perry |
| David Raterman | Walter Reed | George Schindler | Kevin Schneider |
| Kiritkumar Shah | Donald Shaw | Daniel Smith | Keith Stanek |
| Paul Stigall | George Tomazi | Thomas Van Doren | Roger Volk |
| David Whiteley | Ralph Wolfram | | |

The annual Meeting of the Academy of Electrical and Computer Engineering was held Thursday, April 17 and called to order at 8:00 a.m. in the Faculty Lounge located at Emerson Electric Company Hall. President Walter Reed chaired the meeting.

Department Chair, Dr. Kelvin Erickson, welcomed the Academy members and then turned the meeting over to Walter Reed. Walter welcomed the inductees that could attend the business meeting: Michael Perry, David Raterman, and Kiritkumar Shah.

Dr. Kurt Kosbar reported that the Academy awarded a total of seven scholarships this year for \$1,500 each. Jeffrey Michael Hill, Amanda Kay Luellen, and Kam Kit Yiu received the endowed scholarship for the second year. Kelly DeBolt, Gina Hentschke, Josh Mueller, and Joshua Vance received scholarships from the original Academy fund.

Dr. Kosbar reminded the Academy that the endowed scholarships are only for freshmen whose families' Federal adjusted gross income is less than or equal to \$40,000 a year. Then the goal of the endowed scholarship is for the scholarship monies to follow the student through the rest of his student years. The Academy can still grant scholarships to sophomores, juniors or seniors through the regular Academy account.

Two scholarships were granted for \$2,000 each from the Aerospace and Electronics Systems Society (AESS) of IEEE with the funds processed through the Academy account. David Erdos and Greg Miller were awarded these scholarships.

Greg Harris, Development Officer, reported that donations for scholarships and equipment are more and more important to our students with the rising cost of education. State support is expected to stay flat for higher education. The public universities are turning to private support to help keep tuition and fees cost down for students. Investing in education is a sound investment for everyone's future.

Plans are moving ahead for the new research park that will eventually cover 56-acres at the university golf course site.

Josh Mueller received a scholarship for \$1,500. Josh is a senior in electrical engineering. Josh had two uncles who encouraged him to attend Missouri S&T. Through a co-op with Altec Industries, Josh learned that he wanted to work with embedded systems. His co-op experience was very important to him. Josh's co-op paid off. He will work for Altec full-time after graduation. Josh wanted to thank the Academy as his scholarships have allowed him to stay in college. The financial support was invaluable.

Dr. Erickson gave a report on the update of the department. In fiscal year 07 the department had expenditures of \$3.8M. In fall semester 07 the department had 118 computer engineering students, 283 electrical engineering students and a combined total of 191 graduate students (computer and electrical). The department has welcomed three new faculty members: Dr. Jun Fan (electromagnetics), Dr. Jonathan Kimball (power electronics), and Dr. Chengshan Xiao (communications). The department is in the process of hiring two new faculty for computer engineering and a faculty in the controls area. The faculty have research areas in: motor drives, power system stability, skin cancer diagnosis, NDE for space shuttle, computer network security, IED detection, electromagnetic compatibility, and wireless sensors.

The department is working toward increasing enrollment, creating on-line BS courses, offering graduate certificate programs, expanding research, and starting to look for funding for a building addition. The new building addition will allow for the expanded research, an addition 60 seat classroom, more graduate student office space, and additional conference rooms.

The department is working with Missouri State University (MSU) to offer a Missouri S&T degree for students that take classes at MSU but receive a Missouri S&T degree.

The department has had to lease off-campus space to use for storage. The department is also looking into leasing off-campus space to house research and offices for the EMC group.

Kelly DeBolt received a \$1,500 scholarship. She is a computer engineering major. Kelly wanted to use math in her studies and future career, but not major in math. She is interested in more than just software design. She chose Missouri S&T over KU and K-State, because she wanted to attend a university where engineering was a major emphasis. Kelly expects to graduate in spring 2009. She wants to continue her education and attend graduate school before entering the workforce. She is very interested in giving back to Missouri S&T after graduation to help other students as she has been helped. She appreciates the scholarship.

Gina Hentschke received a \$1,500 scholarship. Gina enjoys math and science. She especially enjoys calculus and thinks circuits are interesting. She plans to graduate in spring 2010 with her bachelor's in electrical engineering and a minor in math. Gina would like to work and then go back to school for her master's degree. She would like to start a company with her cousin who he is a mechanical engineer. Gina wants to thank the Academy for her scholarship.

Greg Miller received a \$2,000 scholarship from the Aerospace and Electronics Systems Society (AESS) of IEEE. He wants to thank Jim Leonard for his support with this scholarship. Greg was not able to be present personally. He was in Kansas.

Joshua Vance received a \$1,500 scholarship. He was not able to be present personally. Joshua was interviewing for a summer internship with Lockheed Martin. This was his second interview. He was very concerned about not being able to personally thank the Academy.

David Erdos received a \$1,500 scholarship. Electrical engineering is his major and he plans on graduating in spring 2009. Engineering runs in his family and he loves to take things apart. David ran a computer consulting business in high school. While working a summer internship at Boeing last summer, he went on a flight test. He will be working at Boeing again this summer. He is interested in flight controls and UAVs along with neural networks and artificial intelligence. He would like to continue on to earn a master's degree in engineering.

Dr. Erickson discussed the following points with the Academy members providing feedback:

- The flattening of the organization by eliminating the Dean's and creating Vice Provost's positions.
- Departments still trying to learn to work within the new structure
- Departments only receiving 3% of the indirect for research
- First draft due of ABET in the beginning of June
- Leasing the HyPoint space for extra research labs, graduate student office and faculty offices for the EMC group
 1. The use of space
 2. Shuttle service 5 times a day for students
- Distance courses
 1. The impact in the department
 2. Developing more distance courses

Academy President Walter Reed opened the afternoon business meeting.

Walter Reed reported that last's year Chancellor's Academy Presidents Forum meeting discussed the university name change. Chancellor Carney reported that over time the university will look more like a private university with the name change. The engineering management department has just started its own Academy.

Dennis Leitnerman made a motion to approve the April 19, 2007 minutes. George Tomazi seconded the motion. Motion carried.

Walter Reed introduced our new inductees: Michael Perry, David Raterman, Kiritkumar Shah, and David Whiteley.

George Schlinder, Chair of the Membership Committee, handed out a graph of Academy membership by categories. See attached. He asked members if the committee should try to induct from the weak groups as in the automotive/transportation area. The engineering/construction group is represented the strongest. He also wants to encourage members to submit names for nominations.

Admissions again asked Academies to consider donating money to help pay for lunch for the visitors families. This motion failed in April 2007 as the members felt the request was not in line

with the mission statement. Dennis Letterman made a motion to not donate money to Admissions to help pay for lunch for the visitors families, since this request was not in line with the Academy mission statement. Roger Volk seconded the motion. Motion carried.

Dennis Letterman explained the endowed scholarship financial report to the members. The endowed scholarship was formed when the State of Missouri matched the funds the Academy members raised for scholarships. These monies are not discretionary funds. This income and expenditure budget is only informational to help show how the monies are growing and the dollar amount that has been allotted for scholarships in a given year.

Dennis Letterman reviewed the Academy Financial Report for 2007-08. Then, he presented the Academy Proposed Budget for 2008-09. Don Shaw made a motion to accept the Academy Financial Report and approve the Academy Budget. Jim Leonard seconded the motion. Discussion followed regarding transfers between Scholarship and Academy budgets. Members would like future budgets to reflect any transfers that might occur between the two budgets. Don Shaw then amended his motion to accept the Financial Report and approve the Academy Budget as presented, with all future budgets to reflect any scholarship fund transfers. Jim Leonard accepted the amended motion. Motion carried.

Walter Reed in Del Mank's absence asked for input in filling the two slots that Leonard Laskowski and George Tomazi would vacate in 2008 as Board of Directors. Discussion followed. Leonard and George were asked to serve another two year term. They agreed. Don Shaw made a motion to re-elect Leonard Laskowski and George Tomazi to the Board of Directors until April 2010. Richard Eimer seconded the motion. Motion carried.

Dennis Letterman made a motion to have the next business meeting and banquet on Thursday, April 16, 2009, to immediately precede the Alumni Board and OGS meetings. George Schindler seconded the motion. Motion carried.

Dr. Hai Xiao gave a presentation on his Photonics Laboratory. Dr. Xiao joined the department in 2006. His expertise is optical sensor and devices (modeling, fabrication & application).

George Schindler made a motion to adjourn. Dennis Letterman seconded the motion. Motion carried. The meeting was adjourned by Walter Reed at 2:55 p.m.

The next Board Meeting and Banquet of the Academy of Electrical and Computer Engineering will be Thursday, April 16, 2009. Mark your calendars and plan to attend.

Minutes submitted by Dennis Letterman

June 4, 2008

Membership by Categories

