

Academy of Electrical and Computer Engineering (AECE)
Minutes of Annual Business Meeting
April 16, 2004

Attendees:

Mike Apprill	Lloyd Brunkhorst	Kelvin Erickson	Thomas Herrick
William Hord	Leonard Laskowski	Dennis Letterman	James Leonard
Darrel Mank	Sandra Martin	Angie Napier	Charles Naslund
Walter Reed	Larry Rushing	George Schindler	Donald Shaw
David Sizemore	Keith Stanek	Jack Stewart	Paul Stigall
Robert Strain	George Tomazi	Julie Turley	Thomas Van Doren
Roger Volk	Ronald Willoughby	Don Willyard	Robert Wilson
Ralph Wolfram			

The annual Meeting of the Academy of Electrical and Computer Engineering was held Friday, April 16, 2004 at 8:20 a.m. in the Academy of Electrical Engineering Conference Room located at Emerson Electric Company Hall. President Ronald Willoughby chaired the meeting.

President Willoughby recognized Donald Willyard for attending board meetings for fifteen consecutive years.

Department Chair, Dr. Kelvin Erickson, welcomed the Academy members and the new inductees to the department and to the campus.

Dawn Ehlers was awarded a **\$2,000 scholarship**. Dawn would like to use her degree to make a difference in people's lives. Dawn will be attending Purdue University for graduate school. She aspires to become a college professor. Dawn thanked the Academy for her scholarship and gave a presentation.

Timothy Landstra was awarded a **\$2,000 scholarship**. Tim is dually enrolled his senior year as a graduate student. He wants to continue his education with a Master's in Computer Engineering and then start a career in Computer Engineering. He has thought about returning at a later date to receive a Doctorate, or maybe become a teacher. Tim thanked the Academy for his scholarship and gave a presentation.

Benjamin Moss was awarded a **\$2,000 scholarship**. Ben showed pictures of some of his projects both personal and academic. Ben is involved in the skin cancer research along with Dr. Joe Stanley, Dr. Randy Moss and Dr. Stoecker. Ben thanked the Academy for his scholarship.

Angie Nappier, Development Officer, gave a briefing on a new campaign for UMR. The campaign's goal is for UMR to become one of the nation's top 10 technological universities along with preparing students for a new world, enhancing UMR's core strengths, enable emerging technologies, and advance entrepreneurship and economic development. Angie also discussed how to fund this transformational change.

Angie also described Project 2010 which is a department/program-centered plan to identify the vision of the department of 2010 within the university context and establish quantifiable goals. The Academy will be asked to assist with this project through a task force over the next six months. Task force members: Richard Eimer, Del Mank, Robert Wilson, Keith Stanek, Kelvin Erickson (Chair).

Erick Timpson was awarded a **\$2,000 scholarship**. Erick Timpson thanked the Academy for his scholarship. Erick would like to help people by using his math and science as an engineer. Erick graduated from Longview Community College with an Associates Degree in Engineering before coming to UMR. Erick also found that he enjoys Biology.

Amanda Farr was awarded a **\$2,000 scholarship**. Amanda enjoys the mix of hardware and software. Amanda's goal is to graduate from UMR with a degree in electrical engineering and applied mathematics. She would like to work in cryptography. Amanda believes that cryptography will offer her the opportunity to be both mathematical and creative.

Dr. Stanek reported on UMR and Cooper Power Systems (CPS) who entered into a Memorandum of Understanding through which UMR will assume the administration of the Integrated Systems Workshops that CPS has conducted for almost 20 years. Dr. Stanek is serving as the director of this program, with much of the day-to-day operations handled by UMR's Office of Continuing Education. This program includes ten 2- or 3-day workshops on topics such as Overcurrent Protection, Overvoltage Protection, Distributed Generation among other topics. Further information is available on either the UMR or CPS websites. The workshops are taught by UMR faculty and CPS engineers and consultants.

Dr. Erickson delivered the "**State of the Department**". Electrical and Computer Engineering is currently the largest department on campus. The department has three new faculty members: Dr. Waleed Al-Assadi (VLSI design), Dr. Shoukat Ali (parallel computer systems), and Dr. Sahra Sedighsarvestani (software engineering). Dr. Erickson talked about our departments goals for 2015. The goals are: rank within the top 50 by 2010, rank within the top 40 by 2015, undergraduate enrollment of 500 (+10%), more merit-based scholarships, graduate enrollment of 200 (no change), 90% of graduate students supported by GRA/GTA/other (currently 80%), and increase department graduation rate. Other goals by 2015 include: add 25,000 square feet to the existing building at a cost of approximately \$5M, add two more endowed professorships, add other endowments as new faculty start-up, secure lab equipment endowment, and staff development. Dr. Erickson asked for input on how to make these goals happen.

Dr. Kurt Kosbar, Scholarship Coordinator, presented a summary of the **scholarship program** and discussed how scholarship committee members select students for a scholarship. Students are nominated by the ECE faculty and then chosen based on their GPA and good communications skills. Dr. Kosbar also asks for input from our faculty members.

Academy President **Ron Willoughby** opened the **afternoon business meeting**.

David Sizemore made a motion to approve the minutes of April 4, 2003. Bill Hord seconded the motion. Motion carried.

Charles Naslund, Chair of the Membership Nominating Committee, reported that **David Begley, Thomas Herrick, and Thomas Voss** had been **approved for membership** to the Academy.

Dr. Thomas Van Doren presented the **expense report** for March 1, 2003 thru February 28, 2004 and the proposed budget for the 2004-2005 fiscal year. George Tomazi made a motion to approve both the expense report for March 1, 2003 thru February 28, 2004 and the proposed budget for the 2004-2005 fiscal year. George Schindler seconded the motion. Motion carried.

Dr. Van Doren asked the Academy to establish an endowment for the ECE Department that would be in addition to the Academy's funding of scholarships. A discussion followed bringing up questions on how the funds would be used. Dr. and Mrs. Tom Van Doren offered to donate \$10,000 to start the endowment. Jim Leonard made a motion for the Academy to set up the endowment as proposed for the Electrical and Computer Engineering Department. George Tomazi seconded the motion. Motion carried.

Darrel Mank, Chairperson for the Officer Nominating Committee, recommended that Dennis Leitterman and Charles Naslund be elected to the Board of Directors for three years with their terms ending in 2007. George Tomazi made a motion to nominate Dennis Leitterman and Chuck Naslund to the Board of Directors. Jim Leonard seconded the motion. Motion carried.

Ron Willoughby and Don Shaw summarized activities of a new committee consisting of Academy Presidents and Vice-Presidents, the Chancellor, the Provost, Vice Chancellor of University Advancement and Assistant to the Chancellor. The name of the committee is the "Chancellor's Academy Presidents' Forum". A key purpose is to work with UMR to make sure the curriculum is of value to USA industry to insure job offers for UMR graduates and to keep them in the USA.

Hiren Sampat gave his presentation and thanked the academy for his **\$2,000 scholarship**. Hiren has been fascinated with things that move since the 2nd grade. He has pursued EE to find out how components like resistors, capacitors, inductors and transistors make gadgets work. He plans on working toward a Masters Degree in EE focusing on the EM/RF area.

Academy members gave Dr. Erickson feedback on the needs of industry. Discussion followed on the merits of students being able to speak in public, students learning to work in teams, interpersonal communication, and continued learning after college.

The meeting was adjourned by Ron Willoughby at 3:00 pm. After the meeting, Academy members were taken on a tour of the first place winning UMR Solar Car.

The next Board Meeting and Banquet of the Academy of Electrical and Computer Engineering will be April 8, 2005. Please mark your calendars and plan to attend. Exciting things are happening at UMR, and your participation would be greatly appreciated.

Minutes submitted by Thomas Van Doren

Date July 2, 2004