



The Dodecahedron



Ron Morris... Setting the Standard of Excellence



“Business for Sale” was the two line ad in the paper when Ron Morris decided it was time to become an entrepreneur. He had worked in industry for several years as an engineer after receiving his BSIE degree from the U

of A in January 1958. Ron began his career with General Electric and then moved to Texas Instruments. During this time, the company made revolutionary strides in technology, including the development of the first hand-held calculator in 1967. Another of Ron’s cherished memories is working with Jack Kilby, inventor of the integrated circuit. He earned an MBA from SMU and shifted to working in the financial side of TI.

When he purchased Lyon Manufacturing in 1983 it was a small regional business manufacturing tile grouts and mortars. He expanded the product line into high quality concrete repair and restoration materials and opened national distribution. By early 1990’s the company was growing at an annual rate of 20% and sustained that growth for nearly 20 years. Even in today’s economic environment the company has seen growth in several markets. His son, Ron D. Morris, also earned his BSIE from the U of A in 1984 and is an Academy member, he states, “Our relationships with our distributor network remain key to our continued success as well as the highest quality in the products we produce.” While Ron is no longer active in the business today, his sons Robert and Ron. D are constantly looking for creative and innovative ways to improve and grow the business.

Ron has enjoyed a successful career thanks to his time at the U of A, his hard work and dedication. He wants to instill that drive in students by supporting them through scholarships. The Morris Scholarships include the Ron and Betty Morris Scholarships, the Jack and Jessie Morris Scholarship, the Lee and Wilma Douglas Scholarship, the Ron and Betty Morris AAIE Endowed Scholarship, the Guie Morris Honors Scholarship and the Ben Gray Scholarship.

Dr. John English, Dean of the College of Engineering states, “I am forever grateful to Ron and the support he provided me through my tenure as Department Head of Industrial Engineering. Ron and the other AAIE board members provided wonderful guidance and leadership in the early days of my time as department head in working with the Academy and the Department. He was instrumental in developing and supporting the early budgets and strategic planning for the Academy. He was always forward thinking and busting frontiers to pave the way for the Academy’s future success. I consider he and his wife, Betty, to be awesome friends to Elizabeth and me, to the Department and the Academy.”

Other honors and recognitions include: Members of Towers of Old Main (giving society of \$100K and above); Arkansas Alumni Association – A+ Life Joint Member; Chancellor’s Society; College of Engineering Distinguished Alumni Award, 2005; Arkansas Academy of Industrial Engineers – Inductee, 1991; Inducted into the College of Engineering Hall of Fame in 2012. During his tenure as Dean, Ashok Saxena had this to say. “Ron and Betty Morris are very special to the college and to the university ... I am proud to call Ron Morris one of our most treasured alumni, and I greatly appreciate his and Betty’s passion for helping others. We cannot say “thank you” enough for their kindness, generosity and loyalty to the mission of our college and the university as a whole.”

Fall 2013

The AAIE
Officers for
2013-2015

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President

Mike Gross
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“I’ve had a love for the IE department that predates my enrollment in school.”

From the President...

Fellow Academy Members –

I’m honored to be serving as President of AAIE this year. I’ve had a love for the IE department that predates my enrollment in school. Having my dad on faculty meant attending many picnics, parties and faculty events. In particular, I have many fond memories of gatherings at John and Lois Imhoff’s house.

I’m excited to report that your Board of Directors is engaged in the business of serving our Department. At the summer meeting in Hot Springs, we spent time brainstorming around how to put our newly approved Strategic Plan into action. In particular, we talked about how we might add to our Global Studies efforts and how we could serve IE students through an organized mentoring effort. More details will be shared in the coming months.

In the meantime, I would encourage everyone to review your address lists and send your member nominations to our membership chair, Ken Gaines. If you have any questions or suggestions on how our organization could better serve our Department and students, I’d love to hear from you. I look forward to a productive year!



Tarek Taha
BS '91 MS '93

Tarek Taha ('91, '93)
tarek_taha@jbhunt.com

Alumni Gift Creates High-Definition Video Conferencing Facility

An obsolete computing research laboratory in the College of Engineering has been transformed into the Bill and Margaret Harrison Family Video Conferencing Facility thanks to a contribution from alumni William and Margaret Harrison of Little Rock. The gift, which honors the Harrison family, allowed the department of industrial engineering to renovate and significantly upgrade the space in the Bell Engineering Center. “We appreciate the generosity of the Harrison family and admire their legacy in the College of Engineering,” said former interim Dean Terry Martin. “Their gift will significantly increase the technological capabilities offered to our students and enhance learning opportunities.”

Thanks to this new technology, the department will be able to enhance students’ learning experiences and expand research collaborations while reducing travel expenses. It has already proven to be useful to students, as three senior industrial engineering design teams used the new facility to work remotely with personnel from the University of Arkansas for



Medical Sciences this spring. Kim Needy, head of the industrial engineering department, said that faculty members have already used the video conferencing facility to collaborate with researchers from around the world.

“The Harrison gift made to the industrial engineering department has come at a critical time, as the department launches into new ventures with collaborators from across the globe,” Needy said. “This gift has allowed us to develop a high-definition video conferencing facility that supports both our teaching and research missions.”



Scholarship News

I'm happy to report that the AAIE Endowed Scholarship Fund has now reached the \$1,000,000 mark. As of July, 2013 the account balances were as follows:

Academic Scholarships	\$776,000
Financial Needs Scholarships	\$304,000
Total	\$1,080,000

In addition the Global Studies Scholarship Fund balance was approximately \$375,000. (See related article in this issue of the DODEC.)

Taking a quick look back at the last four academic years, we've seen impressive growth in the number of students impacted by AAIE member's generous donations. In the 2009-2010 school year AAIE awarded \$20,000 worth of scholarships to 18 students with a median scholarship of \$1,000. At the April 2013 Scholarship Award Banquet, 32 students received \$35,000 in scholarships with a median award of \$1,000. This has all been made possible due to the sustained and generous donations of AAIE members combined with good returns on our investment portfolio managed by the University of Arkansas Foundation.

Just to put this in perspective, for the 2009-10 academic year tuition and fees for the typical resident U of A student were approximately \$6460. On average AAIE funded about 15% ($\$1000/\$6460=15.5\%$) of a resident's non-living expenses. Looking forward to the 2013-14 school year, tuition and fees will be approximately \$7,818 and the same \$1,000 median scholarship will represent approx. 13% ($\$1000/\$7818=12.8\%$). While not quite keeping up with inflation, still significant. I think any student or parent would agree.

Last semester, Spring 2013, the IE Department had 192 undergraduate students (Soph, Jr, Sr). Based on the latest numbers AAIE will be awarding scholarship assistance to approximately 17% ($32/192=16.7\%$) of the current class

and almost 20% when you include the 6 students receiving Global Studies Awards.

Where do we go next? Assuming we continue to have sustained member contributions and moderate investment growth, we are targeting increasing scholarships to the \$50,000 range, possibly as early as next year. We should be able to reach this level and still maintain the AAIE's self imposed goal of retaining 50% of our spendable funds held by the UA Foundation as a 'Rainy Day Fund'. As many of you probably remember we use the 50% retention goal to help insure we will not need to reduce the award levels to our students in future years due to bad market conditions or the normal ups and downs of the economy.

The committee wants you to know that every contribution, regardless of size, makes a difference. As our endowment accounts grow we can continue to assist more and more deserving students. We have several members who are approaching recognition levels.

- Imhoff Fellow
\$1,000 Lifetime donation
- One time member recognition
\$5,000 Lifetime donations
- Permanent Named Scholarship
\$10,000 Lifetime donations

All members reaching these levels will be recognized at the next Annual Meeting.

If anyone wants to know their lifetime donation levels we encourage you to contact any committee member.



Bob Etien, BS '66

"The AAIE Endowed Scholarship Fund has now reached the \$1,000,000 mark!"

To make a contribution:

**Please make check payable to:
University of
Arkansas Foundation
and mail to:**

AAIE
Dept of
Industrial Engineering
4207 Bell
Engineering Center
University of Arkansas
Fayetteville, AR 72701



**Bob Etien
Scholarship Chair**

From the Department...

Dear Academy Members,

Hello! We are off to another great academic year under the new leadership of **Dean John English** who is ably running the college. There is a noticeable level of excitement in the air as John (and his wife Elizabeth) renew old friendships and forge new ones with our amazing alumni. In addition, the university continues to experience record enrollment. On September 3, the U of A announced that enrollment reached 25,365 students, while simultaneously increasing academic quality and diversity. U of A administrators had earlier envisioned enrollment of 25,000 students as a goal they hoped to reach by 2021, the university's sesquicentennial. Since 2008, however, University of Arkansas enrollment has increased by 32 percent – more than 6,000 students. This growth trend led the *Chronicle of Higher Education* to rank the U of A as the 13th fastest-growing public research university in the country.

Now, getting on with departmental news, there were several faculty departmental awards of note since my last report. **Dr. Ashlea Milburn** received the *Outstanding Teacher Award*, **Dr. Heather Nachtmann** received the *Outstanding Student Service Award*, **Dr. Ed Pohl** received the *Outstanding Research Award*, and **Dr. Russell Meller** received the *2013 AAIE Faculty Member of the Year Award*. At the university level, **Dr. Manuel Rossetti** received the *2013 Charles & Nadine Baum Faculty Teaching Award* and **Dr. Russell Meller** received the *2013 Alumni Association Faculty Distinguished Achievement Research Award*. The faculty have also been successful at securing new research funding. **Dr. Heather Nachtmann** led efforts to secure \$1.4M from the U.S. Department of Transportation to create the Maritime Transportation Research and Education Center (MarTREC) to increase economic

competitiveness through efficient, resilient and sustainable transportation systems on U.S. navigable waterways. **Dr. Shengfan Zhang** received funding from the University of Arkansas Women's Giving Circle for her Personalized HPV (Human Papillomavirus) Vaccination Program. I am extremely proud of both of these efforts.

There was even more good news from the IIE Conference involving faculty and student collaborations. It was my distinct honor to preside as IIE President at the 2013 IIE Conference hosted in Puerto Rico. The department was well represented with 35 faculty, students and staff in attendance. IE Faculty organized two research tracks and six sessions, and delivered 31 research presentations. **Dr. Russell Meller** received the *Annual Award for Excellence in the Teaching of Logistics and Supply Chain*. In addition, he and his Ph.D. student, **Dr. Lisa Thomas** received the *ISERC Best Track Paper Award in Facility Logistics*. Finally, **Dr. Chase Rainwater** was named the *Outstanding Faculty Advisor for the South Central Region*. Our students received significant recognition at the conference as well. At the graduate student level, Ph.D. Student **Ridvan Gedik** received the *E.J. Sierleja Memorial Fellowship* and Ph.D. Student **Jingjing Tong** received a *Gilbreth Memorial Fellowship*. At the undergraduate level the following students received awards: **Katy Accurso** received the *UPS Scholarship for Female Students*, **Christopher Bayles** received the *Dwight D. Gardner Scholarship* and **Hannah Corbitt** received the *IIE Council of Fellows Award*.



Dr. Kim Needy

“In addition, the university continues to experience record enrollment.”

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The department bids farewell to several faculty and welcomes one new faculty member. After more than 30 years, **Dr. Steve Johnson** retired this fall; and after more than 6 years, **Dr. Ron Rardin** also retired this fall. The department bid farewell to **Dr. Nebil Buyurgan** who departed for Quinnipiac University in Connecticut, and **Dr. Russell Meller** is on a leave of absence to explore an opportunity to work in the private sector. A search is underway for three new faculty to fulfill the significant void left by are departed colleagues. In the interim, we are fortunate to welcome **Dr. Gregory Parnell** who is serving for the next year as a visiting scholar. Dr. Parnell recently retired from the U.S. Military Academy at West Point where he served as Professor of Systems Engineering since 1999.

Two staff members received awards from AAIE. **Dr. Adam Morris** was the recipient of the *2013 AAIE Administrative Staff Member of the Year Award*. Adam serves as the Assistant Director of our Operations Management Program overseeing the budget, admissions, advising and other aspects of the program. **Mrs. Tamara Ellenbecker** was selected as the *2013 AAIE Support Staff Member of the Year*. Tamara serves as Assistant to the Graduate Studies Chair, supports the Scholarship Committee Chair, develops and maintains the departmental and AAIE websites, and prepares all departmental promotion publications. We are very fortunate that the AAIE supports these two awards to our well deserving staff members.

Our alumni are also receiving important recognition. **Mr. Kent Burnett** (B.S.I.E. 1968) received the *2013 Engineering Alumni Award* from the College of Engineering. Kent is Senior Vice President at Dillard's in Little Rock. **Mr. Bryan Billingsley** (B.S.I.E. 1997) received

the *2013 Outstanding Young Alumni Award* from the College of Engineering. Bryan serves as President of HEBCO in Springdale. In addition, **Ms. Ritchie Manley Bowden** (B.S.I.E.) received the *University of Arkansas Black Alumni Society Citation of Distinguished Alumni*. Ritchie is a retired administrator for the Mid-South Gastroenterology Clinic and Outpatient Ambulatory Surgery Center. Finally, **Mr. Sam Chaffin** received *The Marie Award 2013*. This award recognizes Arkansans who have made a significant contribution to the advancement of public interest by word, action, and example through interfaith engagement and civic service over a number of years. One final exciting piece of alumni news is that as a result of the generous funding from **Mr. William (Bill) and Mrs. Margaret Harrison**, the department has created a High-Definition Video Conferencing Center. This new facility will enhance students' learning experiences and expand research collaborations while reducing travel expenses.

I am certain that you will agree, that the department is doing great things, and I can promise you that we plan to continue on this trajectory. As an AAIE member you should know that we are grateful for the many things that you do to make our department successful. We simply couldn't have done it all without you! So stop by and visit us the next time you are on campus, perhaps during Homecoming weekend, and cheer on those Hogs. Please give a special cheer for senior Industrial Engineering student **Holly Hilliard** who was selected as a member of the 2013 Homecoming Court. Go Holly!

Warmly,
Kim Needy

*"Our alumni
are also
receiving
important
recognition."*

Global Studies



Gene Staggs
BS '71 MS '72

Global Companies Need Employees With Global Studies Experience

Does your company have operations outside the USA? How successful have you been in getting qualified employees to take assignments overseas?

The IE Department and your AAIE Global Studies

Committee are working together to better prepare your future employees mentally and academically for an assignment in another country, but we cannot be totally successful without your support.

We would like to connect with your company to partner in better preparing IE students to enter the workforce with the desire and the experience to work in a foreign country. Here are some of the ways you and your company can help us prepare students for an overseas assignment when you hire them to work for your company:

- Company sponsored intern and/or coop opportunities;
- Senior design projects with company foreign operations;

- Classroom discussions about global operations by one of your senior employees;
- Support of global studies scholarships through a contribution to the Imhoff Global Studies Endowment.

Please contact Gene Staggs, Committee Chairman, or one of our committee members if you and your company have an interest in connecting with our committee to enhance the global experience of Industrial Engineering students at the U of AR. Any involvement from you will be a plus for IE students who have an interest in global studies. The members of our committee are Sam Chaffin, Bill Denton, Mike Ogle, Ami Spivey, and Henry Wiebe. Dr. Ed Pohl is the faculty liaison.

As a part of the U of AR's Distinguished Lecture Series, Condoleezza Rice will be visiting campus on Wednesday, March 5th at 7PM to discuss her international affairs experiences as our Secretary of State and international affairs scholar. Her lecture will be open to the public, if you are interested in attending. I am sure her comments will be an inspiration to students and all who attend. This should also inspire students to be more aware of the world in which we live.

"Here are some of the ways you and your company can help us..."

In Remembrance...



Earnest W. Fant, age 73, of Fayetteville, died Thursday, November 7, 2013 in Fayetteville. He was born October 12, 1940 in Ft. Smith, Arkansas, the son of the late JD Fant and Trudie

Wilson Fant. At the time of his death he was currently an Associate Professor of Industrial Engineering at the University of Arkansas. He served in the United States

Army and the Texas National Guard. He was an active member of Central Baptist Church in Fayetteville, beloved of his family, beloved of God and accepted by in the Beloved, his Savior the Lord Jesus Christ.

He is survived by his wife, Georgie Fant; a daughter, Laura Hoisington and her husband Jeff of Stillwater, Oklahoma; a son, John M. Fant and his wife Phyllis of Hackett, Arkansas; a sister, Tanya Berkley of Ft. Smith, Arkansas; a brother, Jim Fant of Roland, Oklahoma; six grandchildren and seven great-grandchildren.

Memorials may be made to Thru the Bible Radio Network, P.O. Box 7100, Pasadena, California 91109.

The University of Arkansas will receive \$1.4 million plus matching funds of \$750,000!

Transportation researchers at the University of Arkansas will receive \$1.4 million from the U.S. Department of Transportation to create the Maritime Transportation Research and Education Center.

The funds, were announced by U.S. Sens. Mark Pryor and John Boozman and Rep. Steve Womack — all of Arkansas — will augment transportation research at the university and will address the Transportation Department's strategic goal of economic competitiveness through efficient, resilient and sustainable transportation systems on U.S. navigable waterways.

The center, also called MarTREC, will function as a consortium of researchers at the University of Arkansas – the grantee institution – Jackson State University, Louisiana State University and the University of New Orleans, all of which have proximity to navigable waterways along the Mississippi River and the Gulf Coast.

The \$1.4 million grant will be matched by \$750,000 from a combination of sources, including each of the four institutions, the Arkansas State Highway and Transportation Department and in-kind and cash support from private industry, said Heather Nachtmann, professor of industrial engineering and principal investigator for the grant.

MarTREC, a consortium of researchers at four universities, will address the U.S. Department of Transportation's strategic goal of economic competitiveness through efficient, resilient and sustainable transportation systems on U.S. navigable waterways. "Our vision is to be recognized as the nation's premier source for



Dr. Heather Nachtmann

(Continued on page 11)

"The center, ...will function as a consortium of researchers at the University of Arkansas..."

Fort Smith Economics Teacher (and wife of Academy Member David Humphrey) Receives National Award

A Fort Smith elementary school teacher will receive national recognition next week for her work in educating kids about something even adults struggle with: economics.

Sheila Humphrey has been a teacher for 25 years. Her students at Woods Elementary on Massard Road are actively engaged in hands-on learning simulations to understand the value of a dollar, consumables and services.

She will be awarded the John Morton Excellence in the Teaching of Economics Award at the Council for Economic Education National Conference in Baltimore, Md., Oct. 3-5. The awards honor teachers whose innovative teaching

concepts improve and stimulate economic understanding. Humphrey is the only national winner in the elementary division.

Humphrey has also been recognized statewide for her economic projects including titles such as *No Bees, No Honey*, *No Work, No Money!*, and *Economics is a 'Natural' for Baseball*.



David and Sheila Humphrey

A4U: Academy Focused on Recruitment, Retention, and Readiness of Undergraduate Students



Angela Kuli, BS '92

When AAIE renamed the SHUR Committee to reflect our current activities, we knew there were some things that were not going to change... and that included hosting our annual Mock Interview Day for the students of

Industrial Engineering!! The Mock Interview event provides our students direct access to professionals from a variety of companies and a 'safe' method of gaining invaluable interview experience and resume advice.

Through joint efforts between the IE Department, the IIE Student Chapter and AAIE A4U Committee, we were able to hold the 8th Annual Mock Interview Day Tuesday, September 17th. As in the past, we scheduled the Mock Interview Day to follow the College of Engineering Resume Review session and prior to the STEM Fair, being held October 2nd, 2013.

For the big day ABF, AHK Consulting, J.B. Hunt, Sam's Club, and Walmart all had representatives on campus:

Andrew Bailey, J.B. Hunt
 Frank Broadstreet, J.B. Hunt
 Grant DuCote, Walmart
 Eric Ervin, J.B. Hunt
 Sarah Im, Walmart
 Angela Kuli, AHK Consulting
 Megan Peters, J.B. Hunt
 Ryan Petrancosta, Sam's Club
 Janice Pittman, Walmart
 Randy Ruiz, Walmart
 Robert Seward, Sam's Club
 Eddie Sorg, ABF
 Chad Treadaway, ABF

As the interviewers took their places throughout the 4th floor offices and conference rooms, approximately forty different IE students got their turn in the

proverbial hot seat. Each student had a 45 minute interview where they were asked real interview questions, received coaching on their responses, were given advice on other questions they might hear in a real interview, and were provided a few tips for refining their resumes, attire and mannerisms, where appropriate.

During a break in the interview sessions the interviewers had the chance to sit down for quick lunch with Department Head, Dr. Kim La Scola Needy. The lunch discussion revealed common themes interviewers were seeing in the morning interviews and also shared general feedback regarding recruiting and trends in industry. It was noted by the professionals that student readiness has noticeably improved over the years we have been offering the mock interview sessions. It was also noted our juniors and seniors are not lacking experience. The companies involved were glad to get an early look at the upcoming class of graduates from the department and a head start in figuring out who they may want to recruit in the upcoming months.

The day culminated with a Q&A session between students and interviewers. The discussion provided the students another chance to ask questions and gives the interviewers an opportunity to provide broad-based feedback to the students in general. The interviewers stressed to the students to learn about the Behavioral Interviewing process and practice, practice, practice. The students were also encouraged to know and express their unique skills and interests to the interviewers. These two topics are noted for future student seminars or class lectures. To wrap up the experience, the student participants were asked to submit their resume for distribution to the participating companies.

A huge AAIE thanks to all who participated and specifically to the

(Continued on page 11)

"We have a great group of students and it is through these investments in our students that we will continue to grow our department and build the futures of our students."

In The News

Two IE Professors recognized by the Arkansas Alumni Association with Faculty Achievement Awards

Congratulations to Dr. Manuel Rossetti, recipient of the Charles and Nadine Baum Faculty Teaching Award, and Dr. Russell Meller, recipient of the Distinguished Achievement Research Award. These are both university-level awards and extremely competitive.

Rossetti's peers and colleagues recognize him for his achievements in

teaching courses in computer simulation, inventory control, probability and statistics, database design, and transportation and logistics.

Meller focuses his research interests in facility logistics, logistics system design, operations research applications in production and health care and forest systems.

Congratulations to Sam Chaffin for Receiving the 'Marie Award'

Past Academy President Sam Chaffin was the recipient of the Marie Interfaith Civic Leadership Award and is being recognized for his commitment and service to his community. He has been very active in organizations such as Rotary, Little Rock Sales and Marketing Executives Association, Salvation Army, Boy Scouts of America, Greater Little Rock Small Business Council, UALR College of Mechanical & Manufacturing Technology and UALR College of Business, as well as, Arkansas Small Business & Technology Development Center.

The award was named for Marie Spitzberg. Her own personal role in

interfaith understanding and civic activity established the standard for evaluating lifetime accomplishment. The award recognizes outstanding Arkansans who have made a significant contribution to the advancement of the public interest by word, action, and example through interfaith engagement and civic service over a number of years.



Sam Chaffin, MS '60

*Sam Chaffin
recognized for
his commitment
and service to
his community.*

Members on the Move!

John Lillard, BS '83 has been promoted to Director of Manufacturing Support Services with Mohawk Industries. He was previously Plant Manager of the McFarland Road facility.

David E. Douglas, BS '69, MS '71, PhD 73 a university professor of information systems in the Sam M. Walton College of Business at the University of Arkansas, is one of 14 professors worldwide to be recognized with a 2013 Big Data and Analytics Faculty Award from IBM. Douglas received the award for continuing to develop business analytics course modules designed for teaching customer insights and discovery.

Ami Spivey, BS '95 was promoted to Senior Vice President of International Business Processes at Walmart.

Chuck Tilmon, BS '95 has been promoted to Vice President, Global Food Sourcing and Walmart.

James P. Bellora, BS '83 Deputy Public Works Officer (acting) Public Works Department - Washington recently won a Bronze Medal at the 2013 USA Cycling Masters National Championships held at Major Taylor Velodrome, Indianapolis, IN.

Mike Ogle, MS '87 has joined the faculty of the Department of Systems Engineering and Engineering Management at the University of North Carolina at Charlotte. For the last 15 years, he was Vice President of Educational and Technical Services at MHI (a material handling industry focused trade association).

Membership Committee



Hello from the Membership Committee once again!

We are following up a great membership campaign for 2013 with a fantastic group of nominees for the 2014 induction year!

Ken Gaines BS '92

Currently there are 10 nominees (yes, 10!!) along with 2 approved nominees that had conflicts with the banquet date earlier this year. Of those 10, 4 have accepted their nomination already and both previous inductees have confirmed they are planning to attend this year's banquet and ceremony on April 4th, 2014. If all candidates accept their nomination and are approved by the membership, we will meet or surpass our annual new member goal of 10 for the 5th year in a row! That is a great testament to you, the members, who have contacted successful IE's from the U of A and given them the opportunity to connect with the IE Department in this special way.

One of the most valuable ways to get involved with AAIE is to nominate someone for membership. We all know someone that we graduated with or have worked with that would be a great member. AAIE is one of the strongest Academies at the U of A and beyond, so an influx of new members each year has allowed us to continue to assist the IE Department in becoming the best in the country!

Just to refresh everyone's memory, the basic requirements for membership are:

- University of Arkansas Industrial Engineering graduate
- At least 15 years (1999 or earlier) since earning a degree

- Professional activities that attest to a distinguished record in their career field
- Genuine interest in supporting the excellence in the U of A IE Department

Many of our members are in fields other than traditional IE fields, such as healthcare, banking, business owners, and others.

Each candidate that is nominated will be reviewed by the Membership Committee and then sent to the Academy Board. After the Academy Board reviews and recommends the nominees, a ballot will be sent to all active members for final acceptance.

Even though we potentially are already at our goal, that's just a number! If you think of someone who would be a great addition to our organization, please let us know. To nominate a candidate, please fill-out the nomination form which can be downloaded from the AAIE website at <http://aaie.ineg.uark.edu/>. Click on the Membership tab and then the Nominate a Member section. Please complete the nomination form with as much information as possible and send to Karen Standley at standle@uark.edu or mail to:

AAIE
c/o Department of Industrial Engineering
4207 Bell Engineering Center
University of Arkansas
Fayetteville, AR 72701

Nominations should be submitted no later than December 31, 2013. Thanks for your help!

If you are interested in helping with membership or have questions, please email gaineskd@yahoo.com or call 501-350-3105.

Ken Gaines
Membership Chair

"AAIE value is built on great members. Help by nominating someone you graduated with or worked with!"

MarTREC...

(Continued from page 7)

expertise on maritime and multimodal transportation research and education,” said Nachtmann, who will serve as the center’s director. “The consortium was formed based on nationally-renowned expertise at these institutions. Being strategically located along major navigable rivers and coastal areas, we have supported the MarTREC theme of economic competitiveness, and we are dedicated to practical research that will transfer to workforce development.”

Nachtmann said the research program will focus on specific problems within three general categories – maritime and multimodal logistics management, construction of resilient and sustainable multimodal infrastructure, and the creation and promotion of livable coastal and river-valley communities with effective emergency management systems. Multimodal transportation systems include trucking, air, rail and barge.

Focusing on logistics, the researchers will design sustainable multimodal supply chain networks to optimize resource allocation and minimize congestion. Nachtmann said these networks seek to maximize the effectiveness and efficiency of transportation logistics by focusing attention on shipping cycles, reliability, safety and environmental impact. Other

studies will provide reliable and accurate information about the economic impact of the nation’s intra-coastal waterway transportation systems under both normal and disruptive conditions.

Researchers will develop improved materials to enhance the resilience and longevity of transportation infrastructure. Part of this effort will include developing technology to monitor the structural health and safety of critical facilities and structures.

Other researchers will develop tools to evaluate the social, economic and environmental consequences of these transportation systems on river-valley and coastal communities. They will plan for enhanced social equity, mobility and accessibility by integrating smart growth concepts. Finally, the researchers will investigate the use of these transportation systems to facilitate the movement of large groups of people during emergency evacuations.

The overall program will include workforce development and maritime and multimodal job training, Nachtmann said. The program will also promote transportation workforce diversity through outreach programs in public schools.

“The overall program will include workforce development and maritime and multimodal job training...”

A4U...

(Continued from page 8)

following people: Megan Peters (U of A, BSIE 2013), who helped navigate students and interviewers to the correct locations, and provided excellent service to the day’s events; Sandy Sehon, who played the key role in hanging flyers, securing rooms across Bell Engineering, maintaining the sign-up sheet, ordering food, providing the recognition gifts to interviewers and ultimately making the event a great success; the entire INEG office staff who supported our guests with everything from validating parking passes to providing directions to various locations; the Faculty for their advertising to their classes and

providing continued support of our event, and Dr. Needy for meeting with the professionals and providing a vision of where the department is going and how the professionals can remain involved throughout the year with the department (Senior Design projects, anyone??). We also had Thomas Carter, Bryan Hill, and Eric Specking from the Dean’s office at lunch to thank the interviewers for their time and commitment to our students.

Again, we have a great group of students and it is through these investments in our students that we will continue to grow our department and build the futures of our students.



We're on the web www.ineg.uark.edu/aaie

**Arkansas Academy of Industrial Engineering
c/o Department of Industrial Engineering
4207 Bell Engineering Center
University of Arkansas
Fayetteville, AR 72701**

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The Arkansas Academy of Industrial Engineering (AAIE) was established in 1986 to recognize the achievements of University of Arkansas Industrial Engineering graduates and to provide continuing guidance and support to the Department of Industrial Engineering.

The Academy also provides its members with the opportunity to nurture and support the organization that played an important role in their professional growth and development.

THE DODECAHEDRON is a publication of the Arkansas Academy of Industrial Engineering, and the views expressed are those of the AAIE only and do not reflect the official view of the University of Arkansas, the College of Engineering, or the Department of Industrial Engineering. THE DODECAHEDRON is published semiannually and is intended for the membership of the Arkansas Academy of Industrial Engineering.

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