

The Dodecahedron



English Named Dean of College of Engineering Kansas State dean to return to alma mater



John English has been named the ninth dean of the University of Arkansas College of Engineering. English, currently dean of the College of Engineering at Kansas State University, will also hold the Irma F. and Raymond F. Giffels Endowed Chair in Engineering. His term will begin July 1.

“I am very pleased to be welcoming John English back to Arkansas,” said Chancellor G. David Gearhart. “He’s accomplished great things both here and at Kansas State, and I know he’ll do an excellent job leading the College of Engineering into the future.”

“It is exciting to return to my alma mater as the dean of engineering,” said English. “I have been fortunate to hold the same position at Kansas State University, and I am ready to jump in with both feet at the University of Arkansas. With its talented faculty, staff and students, the college at the University of Arkansas is one of the

leaders in engineering education and research, and it is poised for greater prominence. I look forward to being on campus soon!”

The University of Arkansas College of Engineering offers seven ABET-accredited engineering degrees, and recently instituted the first department of biomedical engineering in the state of Arkansas. The college is growing fast; since 2007, student enrollment has increased by 73 percent. Faculty members in the College of Engineering conduct cutting-edge research in many important areas, including alternative energy, cancer detection and treatment, and nanoscience.

English received a bachelor’s degree in electrical engineering and a master’s degree in operations research from the University of Arkansas. He holds a doctorate in industrial engineering and management from Oklahoma State University. English was a faculty member in the University of Arkansas department of industrial engineering from 1991 to 2007 as well as head of the department from 2000 to 2007. In this role, English helped increase the reputation of the department, which is currently ranked 19th by *U.S. News and World Report*. From 2000 to 2005, English was the founding director of the Center for Excellence in Logistics and Distribution, a National Science Foundation Industry and University Cooperative Research Center. While director of the GENESIS Technology Incubator at the University of Arkansas from 1999 to 2001, English helped start-up companies commercialize technological advances.

(Continued on page 12)

Spring 2013

The AAIE
Officers for
2012-2013

Bryan Grimsley
President

Tarek Taha
President-Elect

Mike Gross
Secretary

Jim Burgin
Treasurer

Grant DuCote
Past President

Inside this issue:

Note from the President	2
Scholarship	3
From the Department	4
Global Studies	6
SHUR Liaison	8
Membership	10
In Remembrance.....	12

From the President...

Greetings, fellow Academy members!



Bryan Grimsley BS '82

I hope you are all in eager anticipation of the upcoming spring banquet. What a time to hook-up with old classmates and friends, and to connect with others “of the brotherhood” (and sisterhood) of the U of A I.E. Department!

The faculty and staff will be there! Some of our brightest and best students will be there! And as Paul Revere once said, “The Red Coats are coming!” Please use the opportunity to show your support of the department and the Academy. Call it an I.E. pep rally! We will even be able to celebrate the “Homecoming” of Dr. John English!

On another note, we now have a strategic plan...one aligned with the department’s plan. Our next challenge is to work the plan...to make headway along the 22 initiatives that we identified.

Which ones are YOU?

Undergraduate Education

Assistance with scholarships –Oversee the endowments and look for creative ways to attract and attain top students. Experienced fundraisers desired!

Undergrad retention - “A-FOR-U” (Academy Focused On Recruitment/Retention of INEG Undergrads); Interact with students as they promote the INEG ‘brand’.

Graduate readiness – Help the students with landing a job by assisting with resume workshops, mock interviews, and more! Raise the awareness and visibility of AAIE to students and post-grads.

Student foreign studies – Work with the endowment to provide funds to enable students to study abroad and prepare for work in a global environment. Help identify global opportunities for students.

Access to corporations – Facilitate access of students to corporate roles. Develop networking opportunities between students and Academy members.

Professional society events – Represent your profession by speaking to a student group or hosting them at your facility.

Graduate Education

Teaching course modules – Be a guest lecturer or teach an Operations Management course. Bring your real life experiences into the classroom.

Graduate placement – Need new I.E. talent at your company? Do you have input on how to better prepare students for your business needs?

Research

Travel for faculty presentations – The INEG faculty makes 40+ conference research presentations each year. How can you help offset travel expenses?

Corporate memberships to centers – Is one of the centers researching an area of interest? Be a sponsor!

Department visibility – Be a cheerleader as our faculty pursues leadership roles nationally

Faculty retention/recognition – Sponsor an award for a “rising star” in the department!

COE representation – Given the opportunity to serve on a college level or university

(Continued on page 15)

Call it an I.E. pep rally! We will even be able to celebrate the “Homecoming” of Dr. John English!

Scholarship News



Dewey Freeman, BS '74

For more than a quarter century, AAIE can reflect on many accomplishments that bring pride to its members. One of the most important legacies is our scholarship

endowment. In the early 1990's, just 20 short years ago, the Board of AAIE approved and provided initial funding of the first of the endowments. Since that time, AAIE has added a second endowment supporting financial need scholarships. Our members have donated through direct contributions and company match over \$905,000 dollars to the scholarship endowments. Benefiting from those member contributions, AAIE has a remarkable record of providing scholarships to industrial engineering students at the University of Arkansas.

A third endowment, AAIE Global Studies Scholarship was created by a generous contribution from the estate of the late Dr. & Mrs. John Imhoff. The endowment is managed under a separate endowment agreement established by Dr. Imhoff prior to his death. It is overseen by the AAIE Board and has an asset balance is well over \$360,000. All told, AAIE endowments exceed \$1.25 million dollars.

The interest received from these endowments is used to fund student scholarships each year. Student recipients are announced and receive recognition at the annual Industrial Engineering Student Awards banquet each Spring Semester. In recent years, AAIE has supported about \$40,000 in student scholarships annually.

This year at the annual AAIE Banquet we will recognize Steve Ballard and Alan Hope as

two new Imhoff Fellows for reaching \$1,000 in cumulative contributions to AAIE scholarship endowments.

Have you wondered about other ways to contribute to AAIE besides direct cash contributions? For instance, AAIE embers may also make contributions to the scholarship endowments by transferring stock. If you have appreciated, publically traded securities that you would like to contribute to the AAIE endowments, you may transfer them to the University of Arkansas Foundation. Your charitable deduction will be based on the fair market value of the securities when received by the Foundation. You avoid capital gains taxes on the appreciation of the securities. Contact Karen Standley, or Sandy Sehon, in the Industrial Engineering department for detailed instructions.

The University of Arkansas Foundation has many programs offering opportunities to provide legacy contributions to the University through trusts and other kinds of agreements. If this is attractive to you, contact the University of Arkansas Foundation for more information. One may direct the contributions to AAIE or any other program. Contact Kellie Knight at 479-575-6764 or Karen Standley to let them know which AAIE endowment can benefit from your contribution.

It is a great privilege to serve AAIE as Chair of the Scholarship Committee. But the greatest reward is seeing the benefits to students that the endowments provide each year. Those endowments would not be successful without the generous support of all of you. Thank you on behalf of AAIE, and most importantly on behalf of the students.

Dewey Freeman, BS '74

“AAIE embers may also make contributions to the scholarship endowments by transferring stock.”

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



From the Department...

Dear Academy Members,

Hello! We are getting ready to complete another great academic year. Perhaps the biggest news is the upcoming return of alumnus, former Industrial Engineering Department Head, and fellow Academy member, **Dr. John English** who was named the ninth Dean of the University of Arkansas, College of Engineering. Dean English's appointment marks a historical event where for the first time the college will be led by an Industrial Engineer. The college will be in very able hands with John at its helm and Elizabeth English by his side. This is a great day for Industrial Engineering!

Now, getting on with departmental news, there have been multiple faculty departmental awards of note since my last report. Associate Professor **Dr. Justin Chimka** was named editor-in-chief of the *International Journal of Six Sigma and Competitive Advantage (IJSSCA)*. *IJSSCA* publishes original research articles that advance the theory of statistical process improvement and its application to a diversity of fields including healthcare, manufacturing, service and sustainability. **Dr. Manuel Rossetti** is leading a college-wide effort on a new National Science Foundation funded program that will help Arkansas students earn graduate degrees in engineering and prepare them for careers. The Student Integrated Intern Research Experience, or *SIIRE*, aims to increase the number of highly skilled employees in Arkansas who are ready to apply engineering research.

Dr. Heather Nachtmann's recent doctoral graduate, **Dr. Brian Smith**, was recognized by the American Society for Engineering Management for his dissertation titled *An Empirical Investigation of Supply Chain Excellence in Healthcare* at the ASEM's 33rd International Annual Conference, in Virginia Beach, VA. Dr. Smith's dissertation was selected

as the Best Ph.D. Dissertation in Engineering Management Completed in 2011. His research was funded in large part by the Center for Innovation in Healthcare Logistics (CIHL). Ph.D. student, **Jingjing Tong**, received the 2013 *Supply Chain and Logistics Track First Place Award from Graduate Student Research and Creative Expression Competition*. Undergraduate student, **Megan Peters** was named the 2012-2013 *Alpha Pi Mu John L. Imhoff Scholarship Winner*.



Dr. Kim Needy

More than 40 Arkansas and regional high schools will bring students, teachers, mentors, sponsors and family members to the U of A to participate in Arkansas' inaugural *FIRST Robotics Competition*. The *FIRST* competition, **For Inspiration and Recognition of Science and Technology**, will be held in Barnhill Arena on April 4-6. This high-tech sporting event, which is free and open to the public, will produce excitement and energy for participants and



spectators alike, as teams demonstrate their engineering skills, teamwork and sportsmanship. Recognition goes to **Dr. Chase Rainwater**, Co-Chair *FIRST* Razorback Regional Planning Committee, and to **Mrs. Karen**

(Continued on page 5)

"Dean English's appointment marks a historical event where for the first time the college will be led by an Industrial Engineer."

From the Department....
(Continued from page 4)

Standley, Volunteer Co-Coordinator FIRST Razorback Regional.

Mr. Reynie Rutledge Sr. B.S.I.E. 1972, M.B.A. 1973, AAIE Member 1994, from Searcy, AR received the *Citation of Distinguished Alumni* for exceptional professional and personal achievement and extraordinary distinction in a chosen field in November 2012. Then in March 2013, he was named to the *University of Arkansas Board of Trustees* by Governor Beebe to fulfill the remainder of the term vacated by John Tyson through 2017.

College of Engineering Hall of Fame Alumnus and AAIE Member **Mr. William L. Cravens** from Little Rock, AR was recently honored. Business leaders from areas ranging from the dairy industry to banking to sales and document imaging and management of a diversified holding company were selected to join the 58 other distinguished members of the

Arkansas Business Hall of Fame. Established in 1999 by the Sam M. Walton College of Business at the University of Arkansas, the *Arkansas Business Hall of Fame* recognizes the exceptional business success its honorees have achieved in Arkansas and beyond. Selections are made by the Hall of Fame's board of directors based on nominations it receives each year. Bill is a certified public accountant and professional engineer who retired after a long career in banking and telecommunications management.

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!

Warmly,
Kim Needy

*As an AAIE
member you
should know that
we are grateful
for the many
things that you do
to make our
department
successful.*

The Spreadsheet Rises Out of the Muck

As man rose out of the IE calculating dirt from slide rules to punch cards and hand-held calculators, he created the personal computer. At first, businessmen wondered what this device would be good for, but once they had the chance to try out the spreadsheet program, they didn't need to wonder anymore. The spreadsheet of choice in the 80's was by Lotus Development. It started out on the Apple II computer, but really took off on the IBM PC in 1983 as Lotus 1-2-3 (spreadsheet, graphics, database). Any IE that could get their hands on a PC around that time found that they had the ability to quickly develop rows and columns of re-calculable numbers to play what-if-calculations. Basic business graphs came alive and didn't make you curse as much when you found simple mistakes. It made a great basic database as well. Well, it appears that in a short 30 years (geologic ages in the computer world), the Lotus name will be dropped by IBM in favor of the parent. When IBM bought Lotus in 1995 for \$3.5 billion dollars, they likely thought they could hold up better against Microsoft Excel on the spreadsheet front, but now rely on the Notes and Domino groupware products as the flagships. Evolution has favored Excel. Make sure you lift a refreshing beverage of your choice to Lotus, Mitch Kapor, Jonathan Sachs, and Jim Manzi for helping the spreadsheet and personal computers rise to where they are today.

Mike Ogle
MS '87

“We are all the beneficiaries of Dr. Imhoff’s dedication to the Industrial Engineering Department and students during most of his lifetime.”

Global Studies

This is my first year as the chairman of the global studies committee. I am taking over from Bill Denton who has been the Committee’s first and only chairman. Bill’s shoes will be impossible to fill. He worked with Dr. John Imhoff to create this Global Studies



Gene Staggs
BS ‘71, MS ‘72

Endowment and has since worked tirelessly to assure the objectives set by Dr. Imhoff would be met. Next time you see Bill, please join me in thanking him for all his past and future service to AAIE and the Global Studies Committee. Bill will continue as a valued member of this committee to provide continuity and input to the success of this committee in achieving the mission and objectives envisioned by Dr Imhoff. The **members of this committee** are as follows:

- **Sam Chaffin – Senior Associate; Dunavant Logistics Group, LLC**

- **Bill Denton – Industrial Engineering Associates, Inc.**
- **Mike Ogle – VP Educational & Technical Services; Materials handling Institute**
- **Henry Wiebe – Vice Provost, Global Learning; Missouri University of Science and Technology**

As I begin my tenure as the Chairman of the Global Studies Committee I would like to remind us all of the history of this Committee which was formed as a result of the Imhoff Global Studies Endowment (GSE) initiated in 2003 by Dr. John Imhoff, PhD, Professor Emeritus, and Department Head and Founder of the University of Arkansas Industrial Engineering Department.

Dr. Imhoff’s interest in international cultures began during his military service as a naval officer in Europe during WWII. He later taught engineering courses under contract to the Department of Defense in Germany and Spain during the 1970s. Dr. Imhoff also

(Continued on page 9)

Academy Spring Board Meeting...



Harrison Energy Partners

Distinguished alumni, past Academy President and past president of ASHRAE Society, Bill Harrison graduated with his BSIE from University of Arkansas in 1965. After deciding on a career in engineering sales, his good friend and fellow IE, William "Buck" Johns convinced him to join Trane selling commercial air conditioning systems. He worked for Trane in Wisconsin and Louisiana until 1983 when his entrepreneurial spirit lead him to an opportunity to acquire the Trane franchise for Arkansas and began operating as Harrison Trane, supplying, servicing, and maintaining Trane equipment. In 2003 the name changed to Trane Arkansas, and then in 2011 he decided to capitalize on the goodwill associated with the Harrison name and his company became Harrison Energy Partners.

He started 30 years with ago with nine people and over the years he has grown the company to 140 employees with locations in Little Rock, Springdale, Texarkana, Mountain Home and Fort Smith. In addition to, installing and servicing mechanical systems for large commercial buildings, Harrison Energy Partners operates four HVAC parts and supplies stores for commercial and residential contractor customers. Today they are the largest provider of commercial and industrial HVAC systems in Arkansas. Incidentally, Trane is celebrating 100 years in business at the same time Harrison Energy Partners is celebrating 30 years!

The twenty-two engineers and forty-five field technicians work in 15 states and 2 Canadian provinces helping clients to insure safe, comfortable and productive indoor environments while controlling their energy spend. They have always hired engineers for their sales and design positions. Industrial



Engineering, with a strong emphasis on economic analysis, is a perfect match for those roles. HEP's CEO, president, vice president of operations and manager of the Springdale branch office are all IE graduates. Every summer they sponsor several interns from the U of A IE Department. Many students that they bring on are Freshman. They also help mentor local high school students and provide opportunities for them as well. A young graduate coming to work at HEP would find many opportunities for advancement and fulfillment.

The core business of the company is to assist their customers as they protect the health, comfort and productivity of building occupants while managing and minimizing energy cost and consumption. The system controls they have developed make buildings more efficient and the HVAC (heating, ventilating, and air conditioning) systems can be controlled from anywhere there is an internet connection. Modern HVAC systems were recognized as one of the top ten engineering achievements of the twentieth century. Bill Harrison describes the transitions he has seen in his career; "At first, the question people asked was 'can you condition this space?'. That changed to 'can you condition this space for a reasonable cost?' The question today is 'can you condition this space for a reasonable cost with minimum energy consumption? The buildings industry is headed toward net-zero energy buildings, where on site renewable energy sources generate as much energy on an annual basis as the building consumes." The strategy is to embrace, not replace. They have the capability to retro commission an existing mechanical system to achieve energy efficiency improvements.

(Continued on page 13)

They have always hired engineers for their sales and design positions. Industrial Engineering, with a strong emphasis on economic analysis, is a perfect match for those roles.

SHUR goes A-FOR-U

“A-FOR-U, Committee’s mission is to “Provide robust programs to support the Recruitment, Retention, and Readiness of a quality and diverse IE student population.”



Frank Broadstreet,
BS '92, MS '96

In 1999, Jim Hawkins saw an opportunity for the Academy to make an impact on low freshmen retention rates. As Jim recalls from the 1999 Winter AAIE Board meeting, the department report told of 50% retention rate and Jim was struck by the “money, time, and energy wasted” when half of the freshmen class recruited to IE were lost each year to attrition.

Wanting to change this attrition rate, Jim made the recommendation to start a student mentoring program where upper-class IE students would mentor and tutor under-class IE students in core curriculum courses. Hearing his ideas for change, the AAIE Board approved for Jim to pursue this program, and he met with student leaders from the IIE and Alpha Pi Mu student chapters. A proposal was made at the 1999 AAIE Annual meeting where the Academy approved a committee and offered financial incentive as well (\$1500 donations to the chapter budgets if retention exceeded 75%). The following semester, Students Helping Undergraduate Retention, commonly known as the SHUR committee, saw an increase in retention rate to over 90% and continued to exceed the 75% goal. Over time, the SHUR committee has stopped the tutoring component (University adopted campus-wide tutoring in '04) and added the successful Mock Interview program in '06 (engaging engineers from Arkansas companies such as ABF, AHK Consulting, Fed Ex, The Hall Group, JB Hunt, LM Wind Power, Sam’s Club, and Walmart).

In developing the AAIE Strategic Plan for 2015, the SHUR Strategic Initiatives are **Goal #3: Student Quality and Diversity**, and **Goal #5: Student Placement**. The committee’s focus areas to achieve these goals are **Recruitment, Retention, and Readiness**. In recognizing the path before us, the committee leadership presented a proposal to the Board to change the committee name from Students Helping Undergraduate Retention (SHUR), to a more broad title representing the Academy’s interest in our students. The “Academy Focused on Recruitment/Retention/Readiness of Undergrads” or A-FOR-U, Committee’s mission is to “**Provide**



Angela Harrison Kuli
BS '92

robust programs to support the Recruitment, Retention, and Readiness of a quality and diverse IE student population.” The legacy programs will continue, including the Career/Business Etiquette Seminar in April, Mock Interviews in the fall, Freshmen Engineering recruitment program, and other Academy-sponsored activities as available.

Many thanks to Jim Hawkins for putting in place an AAIE committee that will continue to develop and grow our department. Thanks also to Tarek Taha and Frank Broadstreet for their time and commitment as chairpersons of this committee. All the work going forward is well equipped by the collective works and the legacy these Academy leaders have left.

Global Studies
(Continued from page 6)

participated in numerous international productivity conferences.

In January 2003, Dr. Imhoff and the AAIE discussed the importance of student's understanding of foreign cultures, international business practices, and the global market place. After further discussion the AAIE initiated a Global Studies Endowment Task Force to

establish the GSE and define a scope of purpose. The AAIE Board of Directors voted to implement the GSE in July 2004, and seeded the endowment with \$25,000 from the AAIE General Fund



John & Lois Imhoff

account. Additional fundraising targeting corporations and foundations is currently underway. Dr. Imhoff and his wife Lois committed \$300,000 to the GSE in the form of a charitable remainder trust in September 2004. Their gift was the largest single contribution ever made to any endowment supporting the Industrial Engineering Department in terms of global education, and represents Dr. Imhoff's lifelong commitment to enriching and broadening the education experience of Industrial Engineering students at the University of Arkansas.

The mission of the Global Studies Committee and the GSE is to support the Industrial Engineering Department and the University of Arkansas objectives for increased student global studies by providing funding for student foreign studies.

The **objectives** of the Global Studies Committee and the GSE as follows:

- **To provide supplemental support in the form of academic scholarships.**
- **To provide supplemental financial support for the Department of Industrial Engineering Global Studies Course and associated courses.**
- **To provide financial support for recruitment and travel expenses of internationally experienced business speakers**
- **To provide financial support for other relevant global studies programs**

We are all the beneficiaries of Dr. Imhoff's dedication to the Industrial Engineering Department and students during most of his lifetime. Over the next few years, I will do my best to communicate to you how this Committee believes the AAIE membership can best contribute to the continuation of Dr. Imhoff's contribution to the students of Industrial Engineering at the University of Arkansas.

Gene Staggs BS '71, MS '72

"Their gift was the largest single contribution ever made to any endowment supporting the Industrial Engineering Department in terms of global education."

AAIE Member Reynie Rutledge Named to the University of Arkansas Board of Trustees

AAIE Member Reynie Rutledge was named to the University of Arkansas Board of Trustees by Governor Beebe.

Reynie will fulfill the remainder of the term vacated by John Tyson through 2017. Reynie is a 1972 graduate from our department, completed his MBA from Arkansas in 1973, and was inducted into our Academy in 1994.

He is from Searcy, Arkansas and recently received the *Citation of Distinguished Alumni* for exceptional professional and personal achievement and extraordinary distinction in a chosen field back in November 2012. It is wonderful to celebrate the great achievements of our alumni. Please join me in congratulating Reynie!

"This is a great group of Arkansas graduates who will be valuable additions to our organization and we welcome them warmly!"

Membership Committee



Ken Gaines BS 92

Thirteen nominees to the Academy were approved for induction in February for the 2013 year! This is a great group of Arkansas graduates who will be valuable additions to our organization and we welcome them warmly! We also will

induct a nominee who was approved two years ago but has been unable to attend the annual banquet until this year. In turn, one of this year's nominees will be unable to attend the induction ceremony because of work conflicts but will be on the slate for induction in 2014. You can look forward to meeting the following new nominees and previous nominee that are scheduled to be inducted at the annual banquet on April 12th in Springdale:

Vance Clement (BSIE 1992) – Vance is originally from North Little Rock and is currently living in Florida where he works as the Sr. Director of Commercial Marketing for Mako Surgical Corporation, a manufacturer and supplier of medical implements.

Todd Cowell (BSIE 1988) – Todd is from Clarksville, AR and works in Ruston, LA for Franke Consumer Products, a manufacturer of kitchen sinks, faucets, and accessories. Through a series of promotions, Todd now serves as the Director of Operations.

Ward R. Dingmann (BSIE 1990) – Ward was raised in rural Wisconsin and decided to move "South" upon graduating high school. He currently serves as VP of Operations with Levin Furniture in Pittsburgh, PA. He has over 20 years of various industry and consulting positions, focused in the supply chain arena. He was approved in 2011, but is just now able to attend the induction ceremony.

Kelvin Dedner (BSIE 1995) – Kelvin is from Nashville, AR and has worked for Wal-Mart Corporation his entire career. He has diligently risen through the Distribution ranks to his current position as Divisional Vice President of Supply Chain for the MS River Delta Region. Kelvin makes his home in Mandeville, LA.

Gene Gangluff (BSIE 1994, MSIE 2000) – Gene has lived and worked in the great state of Arkansas all of his life. He has been in NW Arkansas for the last several years using his IE skills in the retail category management arena. He currently works for White Wave Foods as a Category Manager to Wal-Mart in Bentonville where he uses his varied background to optimize sales and performance.

Prakash Jalihal (MSIE 1972) – Prakash left his home country of India in 1970 to study at the UofA. Upon graduation, he began working for Fidelity Information Systems (FIS) in Little Rock and was a critical member of the team that developed some of the most sophisticated and popular banking software in the world. He now serves as the Sr. VP and Managing Director for the Latin America and Caribbean Regions.

Tim McKenzie (BSIE 1979) – Tim was born in Texas but raised in Arkansas. After holding a variety of positions early in his career, today he works in Little Rock for Vestcom International where he uses his IE skills to help him lead the company as President and COO.

Kevin McManus (BSIE 1980) – Kevin is from Crossett, AR and now lives in Oregon where he owns his own consulting company, Great Systems. Kevin has a strong IE background, having worked for several companies in an engineering capacity, writing a monthly article in IE magazine, and being a National Baldrige Examiner. Kevin will be unable to be with us

this year at the banquet, but will be inducted in 2014.

Latanyua Taylor Robinson (BSIE 1992) –

Latanyua is from Stuttgart, AR and currently lives in Port Arthur, TX. After working in various manufacturing capacities, she founded and is currently President and Owner of Latrobe, LLC, a national contracting firm that provides manufacturing, engineering, and marketing services.

Paul Seay (BSIE 1997) – Paul was born in

Mount Pleasant, AR and currently resides in Ohio where he works for Whirlpool, Corporation. Paul has been promoted several times while at Whirlpool, just recently earning the position of Advanced Mfg. Senior Manager for the Global Product Organization.

Michael Starks (BSIE 1975, MSIE 1976) –

Michael is from Ashdown, AR and has worked the last several years for Red River Army Depot in Texarkana. He is currently the Branch Chief and has worked on a number of nationally recognized projects, including some in conjunction with Dr. Fant and CELDi.

Peggy Stone (BSIE 1985, MSIE 1987) – Peggy

is originally from Malaysia and now makes her home in Little Rock. She has used her IE background in the Quality field during much of

her career in a number of staff and management roles. She currently works for ABC Logistics as the Quality Engineer, providing a variety of services to the Shipping Industry.

Robin Wilson Tucker (BSIE 1991) – Robin

hails from Morrilton, AR and currently lives just across the state line in Memphis, TN. There she pulls double duty, working for Fed Ex Corporation as a Strategic Program Advisor while also running her own company, Wilson Consulting, LLC which provides strategy consulting and engineering analysis.

Martha Wolf (BSIE 1986, MSIE 1987) –

Martha was raised in Germany and Arkansas, where her father taught at the UofA. Upon graduation, she moved to Texas and worked in a number of engineering and telecommunications positions. She now works for AT&T as a Senior Network Engineer and is a major supporter of local charities in her area.

Please join me at the annual banquet in welcoming these new members into the Academy! They bring a wealth of talent to the organization and will strengthen our goal of supporting the IE Department at the University of Arkansas College of Engineering!

Ken Gaines BS 92

Please join me at the annual banquet in welcoming these new members into the Academy!

Academy member, William Cravens, Director of Oaklawn Jockey Club, was recognized February 15, 2013 by The Sam M. Walton College of Business by placing him in the Arkansas Business Hall of Fame.

This award recognizes Arkansans - by birth or by choice - who have been successful business leaders.

The Arkansas Business Hall of Fame is designed to honor, preserve and perpetuate the names and outstanding accomplishments of business leaders who have brought lasting fame to Arkansas.

Join us in congratulating Bill!

“John English has proven himself to be a talented scholar and dedicated leader,” said Provost Sharon Gaber.

John English
(Continued from page 1)

The focus of most of English’s research is on quality and reliability engineering. He has published numerous articles and book chapters in the field of logistics and material handling, and his awards include the Halliburton Research Award, the Dr. Theo Williamson Award from *Integrated Manufacturing Systems* and the Continuing Professional Development Best Paper award from the American Society for Engineering Education. He is a fellow of the Institute of Industrial Engineers.

“John English has proven himself to be a talented scholar and dedicated leader,” said Provost Sharon Gaber. “The College of Engineering has made great strides in the past few years, and he is the right person to build upon this success.”

At Kansas State, English holds the LeRoy C. and Aileen H. Paslay Chair in Engineering. He has also worked as an assistant professor at

Texas A&M University and has industry experience from a career at AT&T.

Terry Martin has served as interim dean of engineering since July 2012. The previous dean, Ashok Saxena, led the College of Engineering for nine years before leaving to accept a post as the senior leader of a new research university in India.

English will be joined by his wife, Elizabeth. Their daughter, Sara, and their son-in-law are both graduates of the University of Arkansas.

“I am thrilled to have the opportunity to rejoin the talented college of engineering faculty, staff and students in the role as Dean. I cannot wait to get back to Arkansas and experience our next steps to advance this great institution. AAIE is near and dear to Elizabeth’s and my hearts. We value the years of great friendship within the membership, and we look forward to many years to come. I thank each of you for making a difference for the department of industrial engineering and the college.” said English.

In Remembrance

Pat Keltner, our friend and beloved spouse of Bill has passed away. As many of you know, Bill and Pat were very dedicated supporters of the Academy, the Department and the College.



The announcement suggested that those offering memorial gifts consider the Bauxite Historical Association Museum or to consider adding to the AAIE Bill and Pat Keltner Scholarship fund benefiting industrial engineering students.

Gifts received by the department intended for the scholarship fund will be acknowledged to the Keltner family.

Information for memorial gifts for the AAIE Bill and Pat Keltner Scholarship:

University of Arkansas Foundation
AAIE - Attn: Karen Standley
Department of Industrial Engineering
University of Arkansas
4207 Bell Engineering Center
Fayetteville, AR 72701

(Continued from page 7)

Recently, they have been asked to 'condition' the air for hot yoga! The room must maintain heat and humidity. A slightly different task than the norm, but one they are definitely prepared to accomplish.

In an effort to support energy conservation and sustainability, the company has developed proprietary software which is effective in collecting and compiling thousands of data points and extracting critical data. This enables technicians monitoring the data to see problems and more importantly address the issue before it is noticeable by building occupants. Harrison states that 40% of all energy in developed economies is consumed by commercial and residential buildings. Air conditioning and lighting account for 60% of the energy consumed by buildings. That is where they find opportunity. Harrison sees energy services emerging as a large part of their business. "The energy used by most commercial buildings can be reduced by 10% to 40% simply by operating the building more efficiently. That's without any major capital expenses. Using known techniques we can achieve a 50% reduction in many buildings. This has dramatic effect on the cash flow and consequently on the asset value of these buildings."

The company has received numerous awards and accolades. This year, they were a finalist in the 101-250 employee category for Central Arkansas' Top Workplaces. An award which recognizes companies that offer fulfilling careers for their employees. HEP's offices were certified under the LEED for Commercial Interiors (CI) 2.0 program. This international green building program demonstrates leadership, innovation, environmental stewardship and social responsibility. The building in Little Rock, which is home to HEP headquarters, achieved the EPA's ENERGY STAR certification last year. This label represents the hallmark of fiscally sound building management and operation resulting

in increased efficiency. They recently won the Governor's Award for Wellness. The award is



given to an organization that demonstrates a commitment to the promotion of physical activity and health and serves as a role

model epitomizing personal health and fitness. In addition, they provide employees access to an onsite workout room equipped with all the latest training and fitness equipment. In 2010, they won the Arkansas Psychologically Healthy Workplace Award for making a commitment to workplace well-being and creating a psychologically healthy work environment for employees.

Bill and his wife, Margaret, have been friends to the Academy for many years. They have quite an amazing love story having met in the third grade. They have been very generous throughout the years and their donations to the scholarship fund have benefitted many IE



Drew, Bill and Angela

students. Two of their four children are U of A IE graduates themselves. Drew became Vice President of Operations for Harrison Energy Partners in 2010. Their daughter, Angela Kuli, and current board member of the Academy owns and manages a consulting firm and maintains her office within Harrison Energy Partners. His brother, Crofford Harrison, now deceased, was also a U of A IE graduate. They have quite a family tradition!

Bill and his wife, Margaret, have been friends to the Academy for many years. They have been very generous throughout the years and their donations to the scholarship fund have benefitted many IE students.

KiOR Ships First Cellulosic Diesel World's First Renewable Diesel En Route to American Vehicles

On March 18, 2013 KiOR, Inc. announced in initial shipments of cellulosic diesel from its first commercial-scale facility in Columbus, Mississippi.

KiOR's facility uses pine wood chips previously feeding a shut down paper mill at Columbus and produces gasoline and diesel, the first renewable hydrocarbon fuels in the U.S. manufactured at commercial scale and derived solely from non-food feedstocks to avoid competition with human food needs. Unlike traditional biofuels like ethanol or biodiesel, KiOR's fuels have no compatibility issues. KiOR's renewable gasoline is also the first renewable cellulosic gasoline ever registered by the Environmental Protection Agency for sale in the U.S.

"This is a major step forward for KiOR, the biofuels industry and the entire renewable fuels sector," said Fred Cannon, KiOR's President and Chief Executive Officer. "With first production at Columbus, KiOR has technology with the potential to resurrect each and every shut down paper mill in the country and to replace imported oil on a cost effective basis while creating American jobs. This facility demonstrates the efficacy of KiOR's proprietary catalytic biomass-to-fuel process with the potential to deliver cellulosic gasoline and diesel to the U.S. We are proud to be making history in Mississippi. The technology is simply scalable and we believe sufficient excess feedstock exists in the Southeast alone to build almost fifty KiOR commercial scale facilities."

Condoleezza Rice, former U.S. Secretary of



State and a current member of KiOR's Board of Directors, added, "KiOR is changing the American energy equation by innovating and commercializing an entirely new generation of

hydrocarbon-based diesel and gasoline fuel. By making the promise of cellulosic fuels a reality, KiOR demonstrates that these fuels are an attractive option for lessening America's dependence on foreign sources of energy."

Haley Barbour, former Governor of Mississippi, who was instrumental in attracting KiOR to Mississippi, remarked, "The shipment of this first fuel from KiOR's Columbus, Mississippi, facility is the culmination of a vision to establish Mississippi as the birthplace of the wood-to-fuels production technology. This progress highlights our highly skilled labor force, abundant natural resources and supportive government climate for innovative companies like KiOR seeking a home to expand their businesses. Mississippi has partnered with KiOR throughout this history-making project, contributing economic development support ranging from research and testing projects within our world class universities, to technical training within our superb community college system."

Major benefits of KiOR fuels include: Fuels are identical to petroleum based fuels made from conventional methods and will drop in to the existing fuels infrastructure.

Studies show that KiOR fuels will have a significant reduction in lifecycle greenhouse gas

(Continued on page 15)

*Academy member
and KiOR
Consultant, Gene
Staggs states, "
This is a historic
moment in the
biofuels industry
in the U.S."*

(Continued from page 14)

emissions when compared to fossil-based fuels. KiOR fuels in today's engines can provide a carbon emissions profile that is comparable to or better than electric cars run off the U.S. electric grid.

Construction and operation of production facilities provides significant economic development in rural areas.

KiOR, a global leader in cellulosic gasoline and diesel transportation fuels, has developed

a unique proprietary technology platform to convert abundant and sustainable non-food biomass into fuels for use in vehicles on the road today. KiOR's cellulosic fuels, which may be transported using existing distribution networks, help ease dependence on foreign oil, reduce lifecycle greenhouse gas emissions and create high-quality jobs and economic benefit across rural communities.

As you can see the opportunities to support the department goes well beyond filling a spot on a standing committee.

From the President...cont'd.

(Continued from page 2)

level committee or task force, take it! Encourage other AAIE members to do so as well.

Potential members – Be on the watch for ‘up and comers’ and recruit alumni that will help the academy’s and department’s visibility.

Remote I.E. gatherings – Live away from NWA? Promote a gathering of U of A I.E. alumni in your area

Member involvement - There’s room on the band wagon! You might add freshness to an established leadership role or contribute in a new way. Bring it!

DODEC publication – All contributions welcome! What do you want to know about? What do you have to share?

AAIE website – In the social media world of today, there are avenues we’ve yet to tap to link the Academy. Apply your I.T. prowess to the good of the Academy,

INEG staff awards – established. Come to the annual banquet and see their smiling face as they receive the award!

Academy board leadership roles

- Department Liaison committee
- Benchmark other Academies
- Dean’s Advisory Council

As you can see the opportunities to support the department goes well beyond filling a spot on a standing committee. So, my charge to you, as president of the Academy, is to make a difference...for the students, for the school, for the profession...through the initiatives that the Academy has identified. Just let one of the board members or INEG know. See you in April!

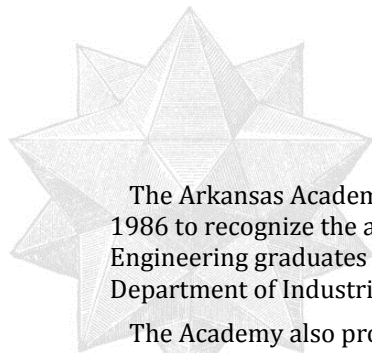
Bryan Grimsley
BSIE '82



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**

234



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.

**You may contact
the editor at
ddyoung@ipa.net**