

The Dodecahedron



A note from our President

Howdy Brothers and Sisters of the AAIE, All I can say is Wooooo Pig Sooie! Your organization has been kicking bootie and taking names this year. There is so much to discuss and celebrate. But first, make sure you mark your calendars for the annual AAIE weekend April 12-13, 2019.

This organization and its leadership team never cease to amaze me. We are all united by a sincere desire to advance the Department of Industrial Engineering. Everyone comes to the table with different skills and ideas, and the end results always impress me.

The A4U committee continues to improve the existing programs it provides to students. The AAIE has been leading the organization and formation of mentor circles for 5 years now. I don't know the exact numbers, but allow me to do some high falutin', back of the napkin calculations. 5 years times 5 mentor circles times at least 5 students in each mentor circle equals 125 students. Through your efforts over 125 students have received mentoring. Now it can be debated if we helped or hurt the students (Joke!), but there is no doubt in my mind that these circles are helping the students find industrial engineering nirvana. Brother Ross Tompkins has added plant tours into the mix for the mentor students the past two years. Like good industrial engineers, he keeps making things better.

Mock interviews continue to be a crowd pleaser among the students. Time for some more math – 50 students times 5 years equals 250 students +/- 25 students just to give my calculations some wiggle room. You

have helped over 250 students to become good interviewees and to get good jobs. Brother Marc Alley has led this effort this past year and Sister Karen Jewell introduced phone interviews into the mix a couple of years ago. Thanks to all of you participating in mock interviews and making the A4U programs a success!



Vance Clement
BSIE 1992
AAIE President

Bob Etien has done an unbelievable job leading the scholarship committee. Over the last 5 years, you have broken every fundraising record in the books, and Bob has added video interviews with the students that highlight the impact your scholarships are making in their lives. I will not steal his thunder, but please read his update in this issue of the Dodec. Whatever your political party affiliation, it is hard to deny that our organization is Making Industrial Engineering Great Again!

Alvin Rhodes's membership committee continues to bring in great class after great class of new members each year. This year is no exception as you will see in this issue of the Dodec. Over the past 5 years, 55 new members have been added, taking the organization to over 200 members. Our organization is a multi-race, multi-gender, multi-generational juggernaut. Enough said!

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Spring 2019

AAIE Officers

Vance Clement
President

Jonathan Fite
President-Elect

Karen Jewell
Secretary

Jim Burgin
Treasurer

Ami Spivey
Past President

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President's Letter Continued

Have you noticed how great the stories are in the Dodec? The student interviews and focus stories on members of our organization are always interesting. Martha Wolf builds on her predecessor's foundation and continues to improve the Dodec – like all great engineers do.

The list goes on and on, but I will stop. Please forgive me for not mentioning everyone that has donated, showed up and/or put in the work that keeps this organization moving forward. Of course, you can always get the

latest info on the AAIE website at <https://aaie.uark.edu>.

We need you, your ideas, and your financial contributions to continue this great momentum. I hope you will attend the April banquet, where it is rumored Coach Gilbreath will again be the Master of Ceremonies. If you don't want to have fun, then I suggest you stay home.

Go Hogs!

Vance Clement (BSIE 1992)

Student Blogs: A view into our students abroad

As our students continue to pursue study abroad opportunities, they are writing blogs to document their adventures. Last semester, Brisa Bartczak spent a semester abroad in the U.K. and was kind enough to write a weekly blog for the AAIE. We got to enjoy her travels, her struggles, and hear about her personal growth over the course of the semester. We also got to see some great travel photos.



This semester, we are heading west. Christine Rheinberger, a Junior industrial engineering student, is studying in Newcastle, Australia. You can find a link to her blog from the AAIE



website: <https://wordpressua.uark.edu/aaie/global-studies/> You can sign up for her updates, so that they will come automatically to your email inbox.

About 30 people followed Brisa on her journey, and I hope that at least 50 people follow Christine. These international student experiences are directly funded by your donations to AAIE and to the Imhoff Global Studies Fund in particular. Our organization is making a huge impact - one student at a time. I believe that if you follow Christine this semester, you will be very proud of our students and what your funds and organization are doing.

If you would like to also check out Brisa's blog, it is located at: <https://sites.uark.edu/bsbartcz/>

A new way to follow our students as they study abroad!

Scholarship News

I don't know a better place to start this article than to simply say "It's OFFICIAL!" Your AAIE will award \$100,000 in new scholarships for 2019-20. This is \$100,000 supported entirely from Endowed Scholarship Funds that Academy members and friends have created.



Bob Etien
Scholarship Chair

When you look at the chart (below) it might appear that it all started in the last few years. While it is true that AAIE has generated record donations, leading to record scholarship awards in recent years, this has been a relatively long but well thought out journey. It started with small donations from a hand full of members in the first few years (1986 thru 1991).

In 1992, David Foust persuaded his employer, Bekaert Corporation, to contribute \$50,000 which became the seed money for the

establishment of what are now four Academy supported Industrial Engineering Endowments (AAIE Academic, AAIE Financial Needs, AAIE Graduate Studies and John Imhoff Global Studies). Scholarship Endowments now exceed \$2,400,000.

During the last 30 years the Academy has recognized 117 John Imhoff Fellows. Permanent Named Scholarships are sponsored by 36 members, and 15 members and spouses support multiple Named Scholarships annually.

When we initiated the \$2,000,000 Campaign in 2015, I shared in the DODEC that my personal dream was to see AAIE Scholarship Awards reach \$100,000 annually. Well it has happened, but just as when your Academy successfully reached the \$2,000,000 goal, I realize this is just a mile marker on the journey. Both are very significant milestones, ones that can truly sustain for lifetimes. I can't think of many ways that we, The Arkansas Academy of Industrial Engineering, can better support future generations of University of Arkansas Industrial Engineers.

Thank You for Making a Difference!

YEAR	Scholarship Endowments	Scholarships Awarded
2009-10	\$1,115,000	\$22,500
2010-11	\$1,305,000	\$31,500
2011-12	\$1,330,000	\$31,500
2012-13	\$1,455,000	\$58,800
2013-14	\$1,625,000	\$53,000
2014-15	\$1,715,000	\$67,500
2015-16	\$1,780,000	\$70,000
2016-17	\$2,060,000	\$75,000
2017-18	\$2,455,000	\$80,000
2018-19ytd	\$2,425,000	\$100,000

"It's OFFICIAL!"
Your AAIE will award \$100,000 in new scholarships for 2019-20.

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

OR

Online at:
<https://aaie.uark.edu/giving/>

And don't forget to ask if your company offers matching donations!



“Our students are fortunate to have such a committed group of alumni supporting them to graduation and beyond.”

From the Department...

Dear Academy Members,

It is an exciting time around the Industrial Engineering Department, as students are settling into their spring courses, and the AAIE weekend planning has begun. The student organization, Alpha Pi Mu, recently hosted a pancake breakfast to welcome everyone back after the holiday break. It is always great to see our hard-working students enjoying time together and taking a break with some lighthearted fun!



Our faculty members are also hard at work as we embark on several new endeavors, including a faculty search to fill the James M. and Marie G. Hefley Professorship in Logistics and Entrepreneurship. This position will support the core strengths of engineering entrepreneurship as it relates to engineering logistics, healthcare systems engineering, and transportation. We will bring four candidates to campus soon, and hope to be able to announce a new IE family member within the next couple of months. Additionally, Dr. Art Chaovalitwongse and I are part of a team of colleagues from across campus which aims to

create an interdisciplinary B.S. in Data Science. The program will consist of engineering concentrations such as Biomedical and Healthcare Informatics, Operations Analytics, and Supply Chain Analytics; Fulbright College of Arts and Science concentrations such as Bioinformatics and Social Data Analytics; and Walton College of Business principles such as Business Data Analytics.



Dr. Ed Pohl
Department Head

On the heels of receiving a \$500,000 grant through the National Science Foundation’s Faculty Early Career Development Program, known as a CAREER award, Dr. Kelly Sullivan has been selected as the 2019-2020 recipient of the John L. Imhoff Chair in



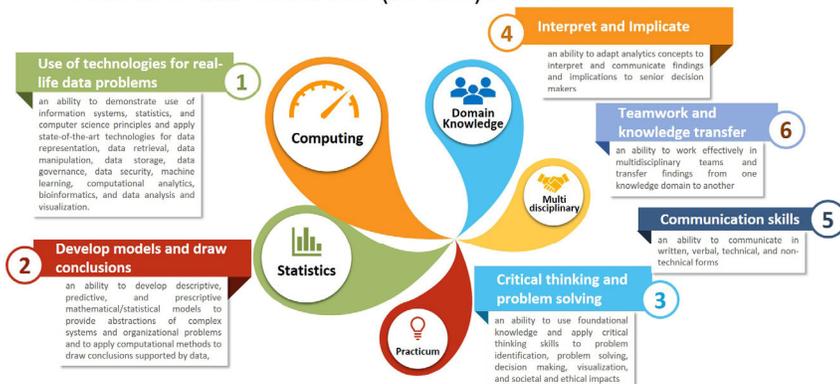
Dr. Kelly Sullivan

Industrial Engineering. This title honors the memory of John L. Imhoff, founding head of the University of Arkansas Department of Industrial Engineering. Sullivan’s research focuses on complex systems—for example, infrastructure networks, distribution networks, and wireless sensor networks—whose performance degrades when components fail. By advancing theory and computational methodology in network optimization and system reliability, Sullivan seeks to understand how complex systems fail and to determine how those systems can be designed, maintained, or improved at a reasonable cost in order to limit the system’s potential for failure.

As you may know, Karen Standley retired from the University of Arkansas after 23 years of service. She was a valuable and

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B.S. in Data Science (DASC): Outcomes



respected employee who will be sorely missed. She stated that working with the Academy was one of her greatest honors. Our team enjoyed hosting a fun retirement reception for Karen in December. Colleagues from across campus, AAIE members, friends, and peers joined us as we celebrated Karen and wished her well in the next phase of her life. She is enjoying spending more time with her grandsons, decorating her new home, and dreaming of a beach vacation!



We hope you can join us for the AAIE Induction Banquet on April 12, 2019 and the Annual Meeting on April 13, 2019. As we look

forward to the 33rd AAIE annual event, we reflect on the exceptional support and resources provided by AAIE through scholarships, mentoring, and mock interviews. Our students are fortunate to have such a committed group of alumni supporting them to graduation and beyond.

We are also excited to celebrate the achievements of our alumni which continue to bring positive exposure to the department and inspire our students. I hope you will also join us in congratulating Bob Etien and Michael Blinzler, who will be honored with the Distinguished Alumni Award at this year's Annual Alumni Awards Banquet and Ball on April 13, 2019. Additionally, Willie Montgomery and Alfonso Camerlingo will be honored with the Early Career Award. Willie Montgomery is also one of four Arkansans selected as Presidential Leadership Scholars. Through this program, he will learn about leadership through the experiences of four former presidents over the course of several months by traveling to each of those presidents' libraries.

*Karen stated...
"Working with the Academy was one of my greatest honors."*

The AAIE Board of Directors

Board of Directors	Officers	Year Ending	Name
Board Member	President	2021	Vance Clement
Board Member	Secretary	2019	Karen Jewell
Board Member	Past President	2019	Ami Spivey
Board Member	Pres-Elect	2019	Jonathon Fite
Board Member		2020	Angela Kuli
Board Member		2020	Alvin Rhodes
Board Member		2020	Rita Willcoxon
Board Member		2020	Derek Malstrom
Board Member	Treasurer	2021	Jim Burgin
Board Member		2021	Martha Wolf



Membership Committee

Membership Matters & Welcome to the Newest Members!

AAIE will induct 8 new talented members in April 2019. Each inductee brings a wealth of knowledge and experience.

Congratulations on being inducted into the academy and we look forward to your positive contributions!



Alvin Rhodes
BSIE 1996
Membership Chair

John True (BSIE 2003)

John is a native of Cabot, Arkansas, and currently serves as the Engineering Manager for CenterPoint Energy. There John is involved in strategic planning and regulatory filings related to natural gas distribution systems in Arkansas and Oklahoma. While working on his engineering degree, John had the opportunity to work in the engineering groups of Tyson Foods, Baxter Healthcare, and Walt Disney World. In addition to an engineering degree, John holds an MBA from Arkansas State University and is a registered Professional Engineer. He and his wife Nicole enjoy traveling with their three children – Mason (10), Carson (8), and Avery (6). John and his family reside in Cabot, Arkansas.

Jason Honeycutt (MSIE 2006, BSIE 2004)

Jason is a US Army Veteran and native of Harrison, Arkansas. He currently serves as the Manager of Operations Research at FedEx Freight. Over the course of his career, he has gained experience in many different industries including Transportation & Logistics (FedEx Freight, JB Hunt), Retail (Walmart), Oil & Gas (BP), as well as, the Military (US Army). He has held various positions from leading operations research and strategy professionals to leading winter drilling operations in Northern Alberta, Canada. Prior to this, Jason served in the US

Army as a heavy wheeled vehicle mechanic stationed state side and abroad (South Korea). He and his wife, Christy, enjoy spending quality time with their two children – Madelyn (10) and Parker (6) where they currently reside in Harrison, Arkansas.

Ashlea Bennett Milburn (BSIE 1999)

Ashlea is a native of Benton, Arkansas and currently serves as an Associate Professor of Industrial Engineering at the University of Arkansas. Prior to joining the faculty, Ashlea pursued master's and doctoral degrees in industrial engineering at Virginia Tech and Georgia Tech, respectively. The professional accomplishments of which she is most proud include winning a National Science Foundation CAREER Award, the IISE Logistics and Supply Chain Division Teaching Award, and being named the 2017-2018 John L. Imhoff Chair in Industrial Engineering at the University of Arkansas. She and her husband Michael (a Fayetteville native and University of Arkansas alumni) have two daughters - Lilah (5) and Livy (2). They enjoy all things outdoors, from hiking and canoeing to backyard gardening. Ashlea and her family reside in Fayetteville, Arkansas.

Mandy Robinson (BSIE 2004)

Mandy is a native of Rogers, Arkansas, and currently serves as the Director of Data Science and Optimization at J.B. Hunt. Prior to this role, she spent 2 years as the Program Manager for Marketplace, J.B. Hunt's digital freight matching platform. She started her career in St. Louis working at The Boeing Company for 11 years with multiple roles in Finance and Engineering supporting the military aircraft and weapon divisions. Mandy and her husband Barrett both enjoy traveling, Cardinals baseball, and spending time outdoors with friends and family. They have two girls – Piper (4) and Reese (3) and reside in Rogers, Arkansas.

“At the end of the day, it is up to us to open the door to new members by asking people to join.”

To nominate new AAIE members, fill out the PDF nomination form available on the AAIE website:

<https://aaie.uark.edu/membership/>

then email to:

Alvin Rhodes

alvinrh55@yahoo.com

or mail to:

AAIE:
Nominations
Department of
Industrial Engineering
4207 Bell
Engineering Center
University of Arkansas
Fayetteville, AR 72701

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Updates from A4U:

Mock Interviews

A4U held Mock Interviews on September 20, 2018. This past fall we had over 40 students participate in in-person interviews with another 30 participating in phone interviews. The event was once again held a week prior to the STEM Career Fair on September 26, 2018.

Attendance has been growing each year for the mock interviews, especially with phone interviews. The A4U Committee would like to thank all AAIE members, industry professionals, and the IE department for making this a success. The common feedback from the interview volunteer was how they wish they were as ready for interviews as the students were this past year.

Mentor Circles

For 2018-19 we had 6 Mentor Circles which kicked off on Saturday, September 15, 2018. We started the day with opening comments from Dennis Abell about expectations of the circles followed by the plan for the day by our Mentor Circles Co-Chair, Ross Tompkins.

The circles then were able to meet and a few had their first meeting that morning. We had 20 mentors participate from recent graduates to 9 AAIE members. There were 37 students who took advantage of gaining insight on what to expect in their careers, workplace, and life after school. We saw increased attendance and frequency of meetings this year. Through February, the circles met on average 3 times and saw 71% student attendance. The A4U committee thanks all that participated in giving their

time to the students, with special thanks to Ross Tompkins and Dr. Tish Pohl for making the program start with great success.

Guest Lectures

On December 04, 2018 Frank Broadstreet and I, had the privilege to be guest lecturers for Dr.

Ashlea Milburn's Transportation Logistics class. We have been partnering in this effort over the last few years and it's a great way to connect back with the department. Frank and I both work in the transportation and logistics industry. Being guest lecturers allowed us to provide updates on our industry and how technology is shaping how many of the products they are familiar with are moved across the country.

We also hope to provide a glimpse to a class of juniors and seniors to another way to utilize their IE degree and skills. I can recall when I was an undergrad wondering where I would end up after graduation. I knew I was getting a degree that would give me an advantage in many industries, but it is always good to hear from people in those industries. If you get the chance and are interested, I recommend being a guest lecturer.

If you are interested in supporting A4U and giving back to the students with your time and expertise, please contact me at marc.alley@jbhunt.com or call 479.236.4357.



Marc Alley
BSIE 2000
A4U Committee Chair

Committees

Membership: Alvin Rhodes, Chair
Scholarship: Bob Etien, Co-Chair Tim McKenzie
A4U: Marc Alley, Chair
Karen Jewell, Co-Chair - Mock Interviews
Ross Tompkins, Co-Chair - Mentor Circles
Global Experience: Chair (Vacant)
Publications: Martha Wolf, Chair
Publicity: Kevin Shelhamer, Chair

SAVE THE DATE!

Spring Banquet and Meeting

in Fayetteville

Friday and Saturday,

April 12-13, 2019



Distinguished Alumni: Lee Lane Ph.D.

Lee Lane, Ph.D., a 1976 graduate of the Department of Industrial Engineering, was recognized during halftime at the Homecoming football game on Saturday, Oct. 20, 2018.

Lane holds three degrees from the University of Arkansas - a B.S. in Chemistry, a M.S. in Operations Research and a Ph.D. in Engineering. She was the first female to receive a doctoral degree from the College of Engineering.

Lee returned to the U of A after a 10-year absence. During those 10 years, She worked for Dow Chemical as their first female research physical chemist in Midland, Michigan. Later, as a single mother of two, Lee was accepted into the Industrial Engineering graduate program. In just three-and-a-half years, Lee was able to complete both a Master's of Science in Operations Research and a Doctorate in Engineering.

She launched a successful career in the aerospace industry at Northrop Electronics and General Dynamics, climbing the corporate ladder and shattering the proverbial glass ceiling faced by women in that industry. The aerospace industry was on the cutting edge of technology and was where she wanted to be. Her timing was perfect, she worked on the Trident Submarine, M-1 Abrams Tank, F-16 Fighter, B-1 Bomber, B-2 Stealth Bomber, Phalanx Gun, Stinger Missile, Artificial Intelligence and other amazing programs. As her management responsibilities increased, she served as a role model and utilized her position to identify and encourage other competent technically trained women to join the aerospace industry and personally helped to mentor their careers.

Lane also spent a brief part of her career as a professor at San Diego State University teaching systems analysis, programming and statistics where she fulfilled the important mission of educating other engineers.



Lane later married Sam McCutcheon, an electrical engineer, and together they founded Autek Systems, a company specializing in electronic, testing, measuring and support equipment used by the Department of Defense and many foreign military forces. Lane held many responsibilities within the company from the outset. She was key in the development of the company's strategic plan, working

with lawyers on IRS litigation, and was the interface for government litigation.

In addition to her professional achievements, lane is a tireless public servant. Although her contributions to the community are far too many to mention, a few highlights include serving on the boards of the Paris Boys & Girls Club, the Logan County Mercy Hospital and the Logan County Museum.

In 1995, the Arkansas Academy of Industrial Engineering inducted her into their group and in 2010, the College of Engineering recognized her with the College of Engineering Distinguished Engineering Alumni Award.



We are very proud of Lee as one of the Department of Industrial Engineering successful alumni and are happy to congratulate her on this very prestigious recognition!

"We are very proud of Lee as one of the Department of Industrial Engineering successful alumni and are happy to congratulate her on this very prestigious recognition."



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Cynthia “Cindy” Westcott (BSIE 2003)

Cindy is vice president of natural gas distribution operations for the Arkansas/Oklahoma Region for CenterPoint Energy. In this role, she oversees all aspects of the company’s natural gas distribution operations in Arkansas and Oklahoma. Cindy has been with CenterPoint Energy for more than 15 years and has held several leadership roles in engineering, operations and regulatory. Cindy, an Arkansas native, has an industrial engineering degree from the University of Arkansas in Fayetteville, a Master in Business Administration from Arkansas State University in Jonesboro and is a licensed professional engineer in the State of Arkansas. She is a member of the Red Cross Board and is also on the Advisory Board of the Arkansas Independent Colleges and Universities. She and her husband Jeff live in Little Rock and they have one daughter, Elisabeth Gleeson, who lives in Houston, TX.

Erica Taylor-Kelley (BSIE 2004)

Erica has worked in a variety of industries: nuclear weapons stockpile, distribution centers and automotive/bus assembly. In her most recent role, she worked rebalancing assembly lines that have varying Takt times. Her specialty is troubleshooting MRP Systems to repair routers and BOMs that have cost and inventory problems. Erica is presently looking for new opportunities. She has two sons, Boston and Brayden, which are “future engineers.” Her hobbies include traditional paper scrapbooking, shopping and decorating. Erica shared her proudest accomplishment thus far is “...that I have finally connected to my Christian Faith. I am no longer relying on others faith to get me through.” Erica is a member of Alpha Kappa Alpha Sorority spring 1999.

Karen Standley

Karen Standley began working in the Department of Industrial Engineering in the summer of 1995 under the direction of Bonnie Swayze and Dr. Rick Malstrom. She

served in the department for more than 23 years. Karen credits the strength of departmental leadership for affording her opportunities to advance her position and remain within IE. She is thankful to have been able to work with amazing IE faculty and staff members including Dr. John Imhoff, and she takes full credit for converting his historically out-of-focus slideshow into a PowerPoint presentation! She loves IE students and alumni! She considers herself very privileged to be part of the IE family. Karen is recently retired and is enjoying time with family, especially her two grandsons. She is also pursuing volunteer activities including the Tim Tebow Foundation Night to Shine, Keep Arkansas Beautiful, and Arkansas Children’s Hospital.

Nia Wright (BSIE 1993, MBA Tulane University 1997)

Nia is an Instructor in the Operations Management Masters Program at the University of Arkansas College of Engineering. She teaches Supply Chain Management and Global Competition for the Operations Management Program. Nia is married to Thomas J. Wright, Jr. – BSEE University of Arkansas; MS Engineering Management University of New Orleans; Member of Arkansas Academy of Electrical Engineers. They have two children Thomas J. Wright III (Trey) and Summitt Wright. Nia’s hobbies include being active in the management of family farms in Northeast Arkansas and Southeast Missouri. She has a special interest in encouraging young people to pursue degrees/careers in STEM related fields. Nia volunteers for Church Member, Pleasant View Church of Christ Pleasanton, CA, P.E.O. – member since 2006 and School Fundraising.

**New
Member
Profiles
Continued**



We're on the web : aaie.uark.edu



**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.

**You may contact
the Editor at
martha4aaie@hotmail.com**

The Editor would like to thank Tamara Ellenbecker for her final review to make this a quality newsletter that you all will value and for making sure it gets into your hands through every media method possible.