From the Department Head

I am pleased to share exciting news and developments in our department over the past few months. Eighteen students in five teams showcased their senior design projects on May 5th. Spring commencement reception was held for the graduates, families, friends and faculty on May 9. Mr. Christian Heymsfield, one of our graduating seniors was selected as the “Most Outstanding Graduating Senior” in the Department and was recognized at the College of Engineering graduation ceremony on May 14th. Five outstanding alumni were inducted in the Arkansas Academy of Biological and Agricultural Engineering (AABAE) on April 8th. AABAE provides annually funds for scholarships, student membership in ASABE, travel for student competitions and student club activities. On April 9th, Mr. Stanley Reed (BSAGE 1973) was posthumously inducted into the College of Engineering “Hall of Fame.” Mr. Mike Jones, (BSAGE 1967, MSAGE 1968) of was recognized as a Distinguished Alumnus and Dr. Chris Pixley (BSBAE 2002) was recognized as an Early Career Alumnus of the College of Engineering. Prof. Jin-Woo Kim was recognized with the Most Engaging Faculty Award in the College of Engineering on April 27th for his multiple research collaborations. Drs. Ben Runkle, Jun Zhu and Yi Liang were recognized for excellence in teaching, research and service to students in our department, respectively. Under Dr. Scott Osborn’s leadership, we are expecting higher undergraduate enrolments in Fall based on the “Decision Day” selections made by Engineering Freshmen this spring. Our student club leaders Hailey Flatte and Bailey Smith participated in the ASABE SE Student Rally at Virginia Tech and successfully secured the bid to host the 2017 Spring Rally at the University of Arkansas in Fayetteville. You are invited to visit us or look us up at www.baeg.uark.edu about our programs, faulty, staff, and students. Please send us your news and updates, call (479-575-2351), e-mail (lverma@uark.edu), or visit us on campus at your convenience. Your continued support of our programs is greatly appreciated.

Lalit R. Verma, P.E.
Professor and Department Head
SIGNIFICANT FACULTY ACCOMPLISHMENT

College of Engineering Celebrates Outstanding Faculty

On Wednesday, April 28, the College of Engineering held its annual faculty awards reception at University House. Five awards were given at the event.

"The purpose of this event was to celebrate the hard work and great achievements of our faculty," said engineering dean John English. "These individuals have really gone above and beyond in their dedication to students and to research, and it felt good to let them know they're appreciated."

The Most Engaging Research Faculty Award, which celebrates a faculty member who excels in collaborative and interdisciplinary research, went to Jin-Woo Kim, professor of biological and agricultural engineering.

Kim’s expertise spans interdisciplinary fields of biological and biomedical engineering, biology, chemistry, and nanotechnology. In the past three years, Kim has collaborated as a co-PI with 11 departments and national and international institutions in 65 grant applications totaling about $25 million.

Congratulations to new NAI members: Professors Marty Matlock, Yanbin Li and Scott Osborn!

The University of Arkansas honored seven faculty inventors on Wednesday, March 30 at the fourth annual Inventors Appreciation Banquet.

Faculty who were initiated into the academy included:

- Marty Matlock, professor, Department of Biological and Agricultural Engineering. Matlock also holds an appointment with the University of Arkansas System Division of Agriculture.
- Scott Osborn, associate professor, Department of Biological and Agricultural Engineering. Osborn also holds an appointment with the Division of Agriculture.
- Yanbin Li, distinguished professor, was recognized by the Division of Agriculture for his patent Matlock and Osborn founded Blue-InGreen, a water-quality management company affiliated with the U of A, in 2004. They have since been awarded patents for a system and method of dissolving gases in fluids and for delivering dissolved gases to improve the quality of drinking water and wastewater.

Congratulations to new NAI members: Professors Marty Matlock, Yanbin Li and Scott Osborn!
Dr. Lalit Verma Gives Presentation at Seoul National University

On January 14, ASABE Past-President Lalit Verma gave an invited presentation titled, "Agricultural and Biological Engineering for a Sustainable Tomorrow," at Seoul National University with the President of the Korean Society of Agricultural Machinery (KSAM) in attendance. The Global Engagement White Paper and Global Food Security Conference announcement were also presented at this seminar.

The ASABE white paper "Global Partnerships for Global Solutions: An Agricultural and Biological Engineering Global Initiative" was presented by Past-President Verma during the Opening Session of the 50th Annual Convention of the Indian Society of Agricultural Engineers (ISAE). The event was held January 19, in Bhubaneswar, India. It was followed by the announcement of the allied event, Engineering and Technology Innovation for Global Food Security, an international conference to be held October 24-27, 2016, in South Africa. A congratulatory plaque on behalf of ASABE was presented acknowledging the long and positive collaborations between ISAE and ASABE.

Dr. Marty Matlock Offers Agricultural Sustainability Expertise to French Leaders

Marty Matlock, director of the U of A Office for Sustainability and professor in the Department of Biological and Agricultural Engineering, recently led talks with the French ministries of agriculture and environment, members of the French National Assembly and Senate, several university groups, conservation organizations, sustainability think tanks and journalists to share ideas and methods for agricultural sustainability.

Congratulations to our 2015-16 Engineering Departmental Award Winners

Dr. Zhu was awarded for research, Dr. Runkle was awarded teaching recognition and Dr. Liang was awarded for service to students.
SIGNIFICANT FACULTY ACCOMPLISHMENT

Dr. Sammy Sadaka received the Gamma Sigma Delta Extension Teaching Award of Excellence

Congratulations to Dr. Sammy Sadaka, who was selected to receive the Gamma Sigma Delta Extension Teaching Award of Excellence for 2016.

Dr. Sadaka’s significant extension and public service contributions made to Arkansas Agriculture and/or Human Environmental Sciences during the past 5 years were reviewed as criteria for the award.

Mr. Julian Abram Receives Employee of the First Quarter Award

On Thursday, November 12, 2015, the Staff Senate presented Mr. Julian Abram, BAEG Labs Coordinator, the award for Employee of the First Quarter. Each selectee received a certificate and a monetary award at the ceremony, which was held in the Arkansas Student Union, room 509. Each selectee will be submitted as a candidate for the Employee of the Year.

Dr. Osborn Receives Special Award

Congratulations Dr. G. Scott Osborn, who was recognized May 1, 2016 at the Freshman Engineering Awards Banquet with a “Special Award” for his sustained contributions to the Freshman Engineering Program.

SCHOLARSHIP RECIPIENTS

Arkansas Academy Biological and Agricultural Engineering Scholarship
Ryan Clark
Jacob Hickman
America Sotero
Khoa Thai

Biological & Agricultural Engineering Scholarship
Dustin Perkins

Billy Bryan Scholarship
Brandon Kanwischer
Madeline Ludwig

Riggs Tractor Scholarship
Mckenna Belcher

Xzin Mcneal Scholarship
Andrew Dugan
Thomas Helvick
Paul Naegle
Sophia Scalise
Andrew Shaw
America Sotero

John W. and Trannye Odom White Scholarship
Kami Parmenter

Joe Steele & Hardy Croxton Scholarship (Beaver Water)
Andrew Stephens

Mike & Yvonne Jones Scholarship
Jenna Bruick
2016 Academy Inductees

Ray Avery, P. E.

Indrajeet Chaubey, Ph.D.

Frederick “Anthony” Doss, P.E.

Drake McGruder

Chris Pixley, Ph.D.
The Office for Sustainability is ringing in the New Year with a new director. Eric Boles, a U of A graduate from Bentonville, has taken over this position and has hit the ground running by leading strategies to achieve the U of A's ambitious goals to be a zero waste campus by 2021 and climate neutral by 2040. Boles says his focus will be to continue to engage the campus stakeholders to ensure they are informed and motivated about the U of A becoming a green campus.

The College of Engineering Honored Outstanding BAEG Student Christian Heymsfield with an award for Outstanding Senior, as well as First Ranked Senior Scholar for having achieved a 4.0 grade point average for coursework completed on this campus.

### Significant Student Accomplishment

**Adrian Beirise Awarded First Place in Graduate Poster Competition**

Congratulations to Adrian Beirise for winning first place in the Graduate Poster Competition at the Institute of Biological Engineering meeting in Greenville, SC on April 8, 2016. Adrian’s poster was entitled, “Evaluating a Measure-Calculate Method for Determining Sediment Oxygen Demand.”

**Eric Boles Selected as Director of Office for Sustainability**

The Office for Sustainability is ringing in the New Year with a new director. Eric Boles, a U of A graduate from Bentonville, has taken over this position and has hit the ground running by leading strategies to achieve the U of A’s ambitious goals to be a zero waste campus by 2021 and climate neutral by 2040. Boles says his focus will be to continue to engage the campus stakeholders to ensure they are informed and motivated about the U of A becoming a green campus.
Senior Design Expo

The Senior Design Expo was held on May 5, 2016 under Dr. Tom Costello’s supervision. There were eighteen senior design students in five teams presenting their projects.

*Design of an LID Storm Water Plan for a Monastery in Fort Smith: a Collaboration of Biological Engineering and Landscape Architecture Students*
Jason Angel, Payton Cook, Jacob Costello, Erin Cox, Nelson Heringer, Caleb Jones, Tristan Lewis, Benjamin Magee, Weylin Mallicote and Jordan Pitts
Faculty mentors: Dr. Carl A. Smith and Dr. Thomas A. Costello

*Design and Feasibility of a Controlled Environment for Gourmet Mushroom Cultivation*
Andrew Dugan, Shane Harris and Michael Hoppe
Faculty mentors: Dr. D. Julie Carrier and Dr. Thomas A. Costello

*Drinking Water System Options for a Small Community in Mozambique*
Jenna Bruick, Angelica Makuch, Savanna Royals and Cody Vaughn
Faculty mentor: Dr. Thomas A. Costello

*Design of On-Farm Processes for Cacao Bean Fermentation and Drying*
Christian Heymsfield, Kyle Lawrence, J. Dillon Madden and Paul Naegle
Faculty mentors: Dr. D. Julie Carrier and Dr. Thomas A. Costello

*Design of Options to Reduce the Carbon Footprint of a Commercial Greenhouse*
Nichol Ghanfili, Scott Gilrein, Jacob Hickman and Chao Li
Faculty mentor: Dr. Thomas A. Costello
Congratulation to the Class of 2016!

Undergraduate:

Jason Angel
Jenna Bruick
Andrew Dugan
Scott Gilrein
Shane Harris
Nelson Heringer
Christian Heymsfield
Jacob Hickman
Michael Hoppe
Kristen Johnson
Caleb Jones
Kyle Lawrence
Dillon Madden
Angelica Makuch
Paul Naegle
Savannah Royals
Cody Vaughn
Please accept my contribution to the following scholarship(s). My check for $___________ is enclosed.

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Joel T. Walker Memorial Scholarship Fund ______

Carl L. Griffis Memorial Scholarship Fund ______

Biological and Agricultural Engineering General Scholarship Fund ______

Biological and Agricultural Engineering Student Support Fund ______

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