CONGRATULATIONS!
The 2016 K-State Graduate Research, Arts, and Discovery (GRAD) Forum was held on March 30 in the Engineering Complex. This on-campus event provides graduate students from all disciplines an opportunity to share their work with the K-State community and to gain experience presenting their work in a professional setting. Three BAE graduate students won scholarships:

- Laura Soto Sierra received 1st place in the Interdisciplinary Research Poster – Novel Application of Autolytic Enzyme: Implication of Pretreatment Strategies of Bioproduct Extraction from Microalgae
- Kari Bigham won 3rd place in the Engineering/Math/Physical Sciences Oral 1 – Repeatability and Sensitivity Analysis of the Bancs Model Developed to Predict Annual Streambank Erosion Rates
- Kimberly Plevniak received 3rd place in the Engineering/Math/Physical Sciences Poster 2 – 3D Printed Point-of-Care Device for Anemia Diagnosis

Also presenting in the K-State GRAD Forum were:

- Interdisciplinary
  - Sarocha Pradyawong – Develop Lignin-Protein Based Adhesive
  - Yuqi Song – Automatic Assessment of Biological Control Effectiveness of Trichogramma Bourarachae Against Cadra Cautella Using Machine Vision
- Agricultural Sciences 2
  - Justin Frazier – Geometric Measurements of Field Crops During Early Growth Stages Using a Time of Flight Camera
  - Gia Nguyen – Mobile Drip Irrigation: Prospective Technology to Improve Water Productivity of Corn
  - Kelsey McDonough – Understanding the Relationship Between Urban Best Management Practices and Ecosystem Services
- Biological Sciences
  - Chelsea Dixon – Microalgae Organelle Isolation and Enzyme Disruption as Part of Aqueous Enzymatic Extraction
- Interdisciplinary
  - Yong Wei – Design of a Handheld Phenotyping Platform
  - Youjie Xu – Optimize Ultrasonic Pretreatment to Enhance Glucose Yields of Big Bluestem Using Response Surface Methodology

Thank you all for your great representation of the department at the K-State GRAD Forum!

STUDENTS VISIT FARRAR CORPORATION
Several members of BAE’s Quarter-Scale Tractor Team visited Farrar Corporation located in Norwich, Kansas, on April 4 to show off their 2016 tractor prototype and the components that Farrar Corporation has produced for it. Farrar Corporation is a ductile iron foundry that can take a design from the computer, simulate iron flow, create a pattern, and cast and machine a finished component. Farrar Corporation has been a huge supporter of the team by casing a component for the tractor each year.

Pictured left to right are: Ryan Strasser, David Pullen, Luke Weller, Lynn Zehr (Farrar Pattern Shop Manager), Lars Peterson, Alex Nytko, Eli Sheppard, Greg Reber (Farrar Quality Manager), Tyler Montgomery, Nick Meyer, Josh Medeiros.
STUDENT GROUP NAMED NATIONAL SMALL CHAPTER OF THE YEAR

K-State’s student chapter of the National Society of Black Engineers was named Small Chapter of the Year at the society’s annual convention in Boston March 23-27. From applications submitted, a committee selects the chapter that best fulfills the National Society of Black Engineers’ mission to increase the number of culturally responsible black engineers who excel academically, succeed professionally and positively impact the community, as well as providing programming relevant to the membership and that impacts the surrounding community. Other factors chapters are judged on are financial/fundraising accomplishments, outreach accomplishments, chapter goals and membership. Sallem Ambessie, BSE sophomore and vice president of the chapter, felt the top highlight was their outstanding planning/organization of Engineering a Dream. They were also recognized for their outstanding work in reaching out to corporate sponsors. The chapter partnered with Austin Commercial, CP Chem, Phillips 66, GE Aviation, K-State Student Governing Association and several alumni of the National Society of Black Engineers. Kaila Wilson, BSE junior, is also an officer of the student chapter. Congratulations!

BSE STUDENTS PRESENTING POSTERS

Four BSE students will be presenting posters on April 17 at K-State’s 16th annual Developing Scholars Program Research Poster Symposium beginning at 1:30 p.m. in the K-State Student Union Ballroom:

- Ryan Clark, senior - Assay Development for Determining Enzymatic Activity of the Autolytic Enzyme Produced by the Microalgae C. reinhardtii
- Megan Richards, junior - Evaluation of Thermal Injury to Gastroesophageal Targets by Catheter-based Microwave Antennas
- Noe Nuñez, junior - Effects of temperature sensitivity of hHeLa and hFB cells on proliferation and viability rates
- Patrick Guvele, sophomore - Effect of the Biocorona Formation on Gold Nanoparticle Size Distribution and Cellular Uptake

Good luck!

2016 BAE GRADUATE STUDENT-OF-THE-YEAR ANNOUNCED

Mr. Nana Baah Appiah-Nkansah, Ph.D. candidate, was selected as BAE’s 2016 Graduate Student-of-the-Year. Nana has published 2 peer-reviewed papers, written 3 manuscripts, gave 10 meeting presentations, and received 5 research presentation awards. Nana is also involved in some teaching activities including lab instructor and supervising undergraduate students and REU students. He is a past president of the BAE Graduate Student Organization and worked with others in organizing graduate student activities. Congratulations, Nana!

SPRING/SUMMER 2016 GRADUATING GRAD STUDENTS RECOGNIZED

Dr. Harner presented gifts to BAE graduate students graduating this spring and summer during the BAE Graduate Student Appreciation Luncheon on April 6. Spring 2016: Muluken Muche, Ph.D.; Master of Science students: Ala Ahmadi Fard, Justin Frazier, Maryam Hamehkasi, and Kaelin Saul. Summer 2016: Nana Baah Appiah-Nkansah, Ph.D.; and Yong “Ike” Wei, Ph.D.; Master of Science students: Kari Bigham, Kimberly Plevniak, Laura Soto Sierra; and Yuqi “Vicky” Song. Congratulations to all!

THOUGHT FOR THE DAY

“Appreciation can make a day – even change a life. Your willingness to put it into words is all that is necessary.”

--Margaret Cousins

LOOKING AHEAD:

April 15 – ASABE Kansas Section annual meeting, 7:30 a.m. registration, K-State Student Union Flinthills Room
April 15 – Engineering Open House
April 15 – Engineering Undergraduate Research Poster Forum
April 16 – All-University Open House and BAE Pancake Feed
May 6 – Last day of Spring 2016 term
May 9-13 – Finals week
May 13 – COE Graduate Student Graduation Reception, 10:30-11:45 a.m., IGP
May 13 – Graduate School commencement, 1:00 p.m., Bramlage Coliseum
May 14 – Order of the Engineer, 2:00 p.m., Forum Hall
May 14 – COE Undergraduate Commencement Reception, 3:00-5:00 p.m., Engineering Atriums
May 14 – Undergraduate commencement: COA 2:30 p.m., COE 6:30 p.m. Bramlage Coliseum
May 17 – Spring 2016 final grades submission deadline: KSOL 4:00 p.m., KSIS 5:00 p.m.
May 18 – Grades available in KSIS
May 23 – Summer 2016 term begins
May 30 – University holiday

Please submit your news and travel information to Barb Moore bjmoore2@ksu.edu
MORE PHOTOS FROM THE K-STATE GRAD FORUM

Pictured above left to right: Gia Nguyen, Kelsey McDonough, Laura Soto Sierra, Kari Bigham, Chelsea Dixon and Sarocha Pradyawong.