

# CHEM-E NEWS

KANSAS STATE UNIVERSITY

FALL 2016

COLLEGE OF ENGINEERING



**KANSAS STATE**  
UNIVERSITY

College of Engineering  
Department of Chemical Engineering

## FROM THE DEPARTMENT HEAD

As we continue to experience high enrollments in chemical engineering at K-State, a national trend for CHE as well as other engineering disciplines, we graduated 42 seniors with B.S. degrees this past May — 12 with honors, perhaps the largest class in the past 30 years. With 56 seniors and 71 juniors enrolled for fall 2016 classes, our number of bachelor's degree graduates will be large for the next several years.

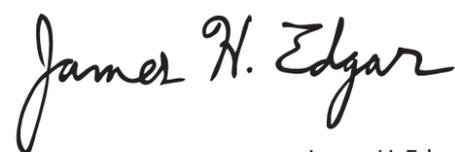
To better accommodate these class sizes, we are in the midst of hiring more tenure-track professors and instructors, the former involved in research, while the latter focus exclusively on teaching. Sigifredo Castro Diaz, our newest instructor, joined the department in January 2016, taking responsibility for the transport phenomena laboratory. We hope to announce the hiring of a new assistant professor and another instructor by the beginning of August. We anticipate hiring another faculty member for fall of 2017. We are also increasing our class offerings — this summer adding material science and engineering, process analysis and chemical engineering thermodynamics. Students are benefiting from this greater flexibility with their course schedules.

The opening of the new Engineering Hall in January 2016 started a cascade of moves by the various engineering departments, allowing CHE to expand its physical space. Electrical and computer engineering moved into the new building in the spring 2016, and industrial and manufacturing systems engineering is moving from Durland to Rathbone Hall this summer. Chemical engineering will make several changes as it takes over the former IMSE space in Durland. First, some faculty offices will be moved from the first to the second floor of Durland. Second, our graduate students' offices will be moved back to Durland from Seaton Hall. Third, CHE computer laboratories will be expanded. Last, depending on available funding, our hope is to create two new research laboratories on the second floor of Durland, as well as a new active learning classroom.

In April, an impressive group of undergraduate students from 12 universities attended the 2016 Mid-America Regional AIChE Student Conference on the K-State campus. The highlight was the chem-e car competition. Car designs were clever and students were enthusiastic, energetic, persistent and optimistic, even when they had trouble getting their cars off of the starting line. For details, see the story in this issue.

I'm continually impressed with accomplishments of our faculty. Larry Glasgow and Jennifer Anthony were recognized by this year's seniors and juniors for their outstanding teaching. Bin Liu and Placidus Amama both received Outstanding Assistant Professor Awards from the College of Engineering for quality teaching and research productivity. Keith Hohn was named the William H. Honstead Professor in Chemical Engineering in recognition of his continual high-quality research, teaching, and service contributions to K-State and the chemical engineering profession.

I am also impressed by the resourcefulness and creativity of our undergraduate students. In April, I announced cancellation the 2016 spring banquet to save money. I felt it was just too expensive. When the undergraduates heard about this, they wouldn't have it. They were able to find a less-expensive venue and catering, reducing the final cost by two-thirds from the previous year, while still producing an enjoyable time for all.



James H. Edgar  
Department Head  
Chemical Engineering



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## Chem-E News

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K-STATE 2015-2016 CHEM-E CAR TEAM SHORTLY AFTER WINNING FIRST PLACE AT THE REGIONAL CONFERENCE

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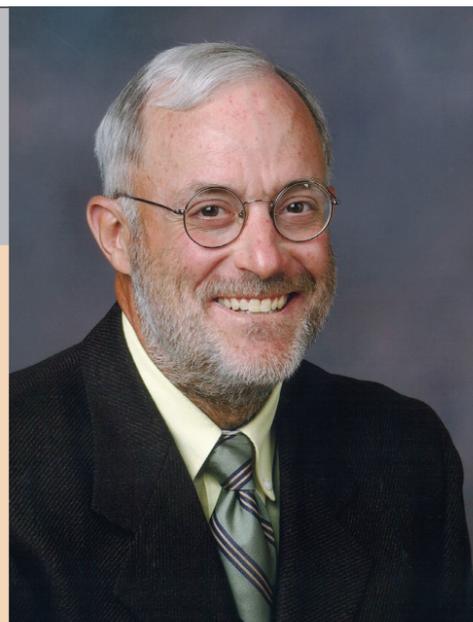
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Invest in student success and join Innovation and Inspiration: The Campaign for Kansas State University. Call 785-532-7609, email [engineering@found.ksu.edu](mailto:engineering@found.ksu.edu) or log on to [inspire.k-state.edu](http://inspire.k-state.edu) to learn more.



# Glasgow to retire

After 38 years of service, Larry Glasgow has retired from the department of chemical engineering. He received his B.S., M.S., and Ph.D. degrees from the University of Missouri before starting at K-State as an assistant professor in 1978. At K-State, he conducted research in the area of fluid mechanics with an emphasis on the interaction of turbulence with fluid-borne entities in multi-phase processes. Over his career, Glasgow taught all of the courses in the department, but his passion was transport phenomena which he taught at both the undergraduate and graduate levels. In the past 10 years, he often taught process analysis, process dynamics and control, and the graduate-level engineering analysis course. Glasgow was instrumental in updating the transport phenomena laboratory in recent years. In addition, he authored two graduate-level textbooks: *Transport Phenomena: An Introduction to Advanced Topics*, and *Applied Mathematics for Science and Engineering*.



Glasgow is best remembered as an outstanding teacher, and the numerous awards he has collected for teaching bears this out. He received the James Hollis Award for Excellence in Undergraduate Teaching in 1994 and 2002, the Segebrecht Distinguished Faculty Achievement Award in 1997, the Commerce Bank Award for Outstanding Undergraduate Teaching in 1996, the Charles Scholer Faculty Award for Contributions to Student Learning Beyond the Classroom in 2007, the Robert and Lila Snell Distinguished Career Award for Excellence in Undergraduate Teaching in 1999, and the Clair Mauch – Steel Ring College of Engineering Advisor of the Year Award in 2005. In addition, he was a Wakonse Fellow in 2002 and received the William Honstead Professorship in Chemical Engineering in 1999.

Glasgow has impacted generations of chemical engineering students through his outstanding teaching and caring mentorship. He has also been a tremendous mentor to junior faculty, guiding them and demonstrating high standards in teaching that they should aspire to. His impact on the CHE department and its alumni will be felt for many years.



## Comments from former students:

“On a personal basis, Dr. Glasgow had a large part in showing this small farm kid from Kansas that I could do whatever I set my mind to do. He taught me that I can come from Osawatimie, Kansas, and be successful as a chemical engineer at Kansas State. From there, I could go on to win a national competition at the AIChE Conference. Then, I could go to Dow Chemical in Freeport, Texas, and develop new dehydrogenation reactor technology with international companies such as Snamprogetti. I could travel to Europe and Canada, and work in various businesses in Dow including hydrocarbons, environmental operations, epoxy, and Dow coatings and materials.”

– Matthew Pretz, B.S. 1997



LARRY GLASGOW IN 1978, THE YEAR HE STARTED AT K-STATE



“In fact, many of my classmates often echoed the opinion that Dr. Glasgow was the most effective and interesting instructor they had ever encountered.”

“Entering the fall semester of my sophomore year, I did not expect that my most difficult class at Kansas State would become my favorite. From the beginning, Dr. Glasgow demonstrated an obvious love for teaching. His animated lectures on mass balances, which included anecdotes connecting the material to the real world, ensured that no one was ever tempted to sleep in class. In fact, many of my classmates often echoed the opinion that Dr. Glasgow was the most effective and interesting instructor they had ever encountered. I can confidently say that I learned more in that class than in any other I have taken.”

– Monica Frey, B.S. 2010



# Student chapter hosts successful AIChE conference

The K-State student chapter of the American Institute of Chemical Engineers (AIChE) hosted the AIChE Mid-America Student Regional Conference April 1-2, 2016, with great success. The event brought more than 200 chemical engineering students and faculty from 12 universities to campus to compete in a variety of competitions, meet with industrial representatives and socialize with other chemical engineering students.

Highlights of the conference included the ChemE Car competition; ChemE Jeopardy; an undergraduate research poster competition; a panel on the transition from college to industry featuring representatives from Phillips 66, Cargill and Burns & McDonnell; and a closing banquet featuring remarks from Timothy Taylor, president of Phillips 66 and K-State chemical engineering alumnus.

"This event was an opportunity to showcase our campus, new engineering building and the College of Engineering program to students from 12 surrounding universities who are involved in research and interested in graduate school," said David Madden, senior in chemical engineering and chapter president of AIChE at Kansas State.



DAVID MADDEN, CHAPTER PRESIDENT, AT THE AIChE CONFERENCE

The ChemE car competition was held at Ahearn Fieldhouse with 15 teams competing from nine different universities. The cars featured a variety of power sources including fuel cells, pressure-generating reactions and several types of batteries; and a number of different ways to stop the vehicle, including iodine clock reaction, use of a limiting reactant, pH control and control via a reaction that induced a color change in a solution. Each team submitted a detailed report outlining safety considerations incorporated into the car prior to the competition. The evening before the competition, a safety audit was completed by faculty volunteers to ensure each car could be operated in a safe manner. All cars passing the audit competed the next day to travel a specific distance carrying a specified weight.

K-State students fared well in all competitions at the regional meeting. The Bill Snyder Family ChemE Car 2.0 won first place in performance and third place in the poster presentation competition, while the K-State Model S car won third in performance and first in the poster

presentation competition. In addition, Diane Collard, CHE, won second place in the undergraduate research poster presentation competition. Her research adviser is John Schlup. Because both of K-State's cars finished in the top three in performance, K-State is eligible to send one of the cars to the national competition in San Francisco in fall 2016.

The regional competition was a great success due to the hard work of the student leaders. In addition to Madden, other student leaders include Jonah Klug, treasurer; Ben Williams, fundraising; Aaron Spicer, ChemE Car competition; and Yichao Zhang, research competition

The conference also benefited from a partnership between the chemical engineering and hospitality management departments. The College of Human Ecology's hospitality management department

capstone students offered their expertise in event management to aid in the planning and execution of the regional conference. These students planned where the social activities would be held, arranged for food for the meeting — including donations from Jeff's Pizza, Papa Murphy's, Little Caesars, Hy-Vee and McCallister's Deli, put together a brochure for the meeting and volunteered at the conference to direct participants to different events.

When asked about the opportunity her class had to plan this event, Kristin Malek, assistant professor in the hospitality management department said, "It is always a pleasure to

collaborate with different departments on campus, and various organizations off campus, to provide hands-on transformational experiences for our students to plan actual events from start to completion. These students are passionate about learning the ins and outs of event planning and wish to pursue this as a career."

"Our chemical engineering undergraduate students did a phenomenal job organizing and facilitating a well-run event," said Jennifer Anthony, associate professor of chemical engineering and adviser for the student chapter.

Special thanks go to the conference's industrial sponsors, including Phillips 66, Cargill, Burns & McDonnell, Dow, Corning, Air Products, Praxair, AspenTech, Chevron and Honeywell UOP.



## Participants in the ChemE Car competition

### Bill Snyder Family ChemE Car 2.0 (pressure car)

- First in performance, third in poster presentation
- Brian Everhart, Yichao Zhang, Evan Balthazor, Katharine Kellogg and Adam Claassen

### K-State Model S (battery car)

- First in poster presentation, third in performance
- Alexander Coon, Angelica White, Aubrey Busenitz, Bailey Martin, Brett Bandy, Eli Janzen, Katie McWilliams, Matthew Brooks, Jack McCraney and Joseph Hewitt



TOP: CHEM-E CAR COMPETITION AT AHEARN FIELDHOUSE

BOTTOM: PROFESSORS HOHN AND ANTHONY EVALUATE SAFETY OF A CHEM-E CAR

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## Philippines research internship for CHE junior

**K**ayla Maghirang, CHE junior, has always looked forward to spending summers in the Philippines to be with family and help in outreach projects. She knew that as a college student, she may have to give this up in pursuit of an internship. Highly interested in learning more about research, she focused on looking for research-related internships.

Last year, she met Kevin Yaptenco, a visiting professor at the Agricultural Research Service (ARS) - USDA, in Manhattan, Kansas, from the University of the Philippines Los Baños (UPLB), and discussed her interests in nanotechnology. While this field was in its early inception at UPLB, Yaptenco indicated his interest in hosting Maghirang through a research internship.

After the spring semester, Maghirang headed to the Philippines with an additional objective. She was initially assigned to assist a group of UPLB researchers in optimizing production of nanosilica from rice hull. With her limited availability this summer, Yaptenco reassigned her to work on near-infrared (NIR) spectroscopy with specific applications still to be identified.

In visiting with Casiana Vera Cruz, K-State alumna and senior scientist at the nearby International Rice Research Institute (IRRI), Maghirang learned about Vera Cruz's work on detection of bacterial pathogens in



ADOPT-A-SCHOOL EVENT SUPPORTED BY K-STATE PHILIPPINE STUDENT ASSOCIATION



UPLB-IRRI-KSU RESEARCH TEAM, FRONT ROW, FROM LEFT, KEVIN YAPTECO AND KAYLA MAGHIRANG; BACK ROW, FROM LEFT, ANA COPE, CASIANNA VERA CRUZ AND JAMIE NICHOLE GRADISHAR

rice and the need for a quick technique to identify them. This brought an idea to her mind, eventually causing UPLB and IRRI to look at more collaborative research on developing efficient detection techniques of bacterial pathogens. Maghirang was tasked to help develop a protocol for this research. She was trained by Fanny Garcia, IRRI staff, on sample preparation, while Yaptenco guided her on setting up the NIR spectrometer, collecting spectral data and handling chemometric analysis.

At this time, Maghirang has collected data for a bacterial pathogen, *Burkholderia glumae*, and preliminary results show promise of NIR in detecting dilutions. Work continues on single-paddy seed soaked in varying dilutions. Based on initial tests, Maghirang will develop the protocol on detection of other bacterial pathogens using NIR spectroscopy. She will return to the U.S. in mid-July and continue collecting spectral data for samples that will be prepared by another research intern from Illinois Wesleyan College as supported by IRRI staff. All data will be sent to Maghirang for analysis under supervision of Yaptenco and Paul Armstrong, ARS-USDA. She will also write a report with guidance from her advisers.

Being in the Philippines this summer also allowed Maghirang to implement the Adopt-a-School project, an annual undertaking of the K-State Philippine Student Association of which she is the outgoing president. She coordinated and assisted in the distribution of school supplies to 360 needy children at an elementary school.

## PPA recipient discusses career and accomplishments



**J**ustin Baker (B.S. 1996) was a 2016 recipient of the K-State College of Engineering Professional Progress Award. Justin holds an M.B.A. from the University of Houston. He was recently assigned the position of turnaround manager for one of ExxonMobil Chemical's large olefins steam-cracker production sites in Baytown, Texas. Baker discussed his unique position and his career.

**In your current position, you specialize in plant turnarounds. Could you describe the process for doing this and the unique challenges it presents?**

Turnarounds are intense periods of mechanical work for a process unit that occur once every five to 10 years (depending on the type of unit). The turnaround will include all safety and reliability repair work that can only be conducted when the unit is shut down and all hydrocarbon has been removed. No product is produced during this outage, so no profit is generated. This results in disciplined planning and execution of a large amount of work in a short period of time. For large turnarounds, a separate organization is put together one to two years in advance to plan and execute the turnaround. The

turnaround manager is responsible for that organization, and the safe and efficient execution of the event.

**How did you end up in plant turnarounds? Was that something you anticipated doing early in your career?**

Managing turnarounds is part of my career development within ExxonMobil Chemical. I have had the opportunity to hold several different positions within the process manufacturing function of the company including process contact engineer, various technical and operations supervisor positions, and department head positions in engineering and process operations. I was also fortunate to spend five years at ExxonMobil Chemical headquarters in various business roles supporting the manufacturing of our products. The opportunity to be a turnaround manager is another experience for me to improve my leadership skills and manage a key mechanical event within unit operations.

**Any stories about a turnaround or a different assignment that you think was particularly interesting?**

One of most interesting experiences with ExxonMobil Chemical was the period of time I supported the butyl polymers manufacturing unit in Baytown, Texas. This was earlier in my career, but was my first opportunity to experience what a global oil and gas company can offer an employee. While working in various technical and process positions, it was my first opportunity to travel the world and learn new cultures in England, France and Japan. I also got to experience the differences in engineering training, work process and use of teamwork from working with other engineers from our butyl plants around the world. For this small-town Kansas boy, it was my first experience at seeing the world — something I like to share with the many engineers I meet at Kansas State.

**What has been the biggest change you've noticed in your business/industry since you started your career?**

There are two changes that I would like to share with you. The first is the fairly recent change within the industry of fracking, and the increased availability of oil and gas. One of my business assignments while at chemical's headquarters was to participate in the assignment of plant profitability. This study highlighted some of the challenges our older technology plants in the U.S. and Europe had with many of the newly built plants in Asia and the Middle East. The long-term viability and cost to produce their products would be a challenge for several

*(continued on page 8)*



REZAC

**Mary Rezac** was named the 2015 Commerce Bank Distinguished Graduate Faculty in honor of her outstanding contributions to graduate education. She presented the Commerce Bank Distinguished Graduate Faculty Award Lecture Feb. 2, 2016, on her research in membrane separations.



AMAMA

**Placidus Amama** received the 2016 NSF EPSCoR First Award for his research on energy storage, as well as the 2016 Air Force Research Lab Summer Faculty Fellowship. This fellowship will provide support for Amama and a graduate student to conduct research on nanocarbon for eight weeks at AFRL, Wright-Patterson Air Force Base.



ERICKSON

**Larry Erickson** received the Distinguished Service Award from the International Phytotechnology Society for his efforts in planning and organizing the 12th International Phytotechnologies Conference held Sept. 27-30, 2016, in Manhattan. He also received his 50-year pin from the American Chemical Society, signifying membership in the organization since 1966.

**Keith Hohn** has been appointed as the William H. Honstead Professor in Chemical Engineering. The professorship was established to honor Honstead and to provide financial support for a distinguished faculty member in the chemical engineering department at Kansas State University.



HOHN

## PPA recipient discusses career and accomplishments (continued from page 7)

of the U.S.-based plants. As a result, the industry was moving toward a consolidation period where older plants would be phased out. As fracking began and the availability of U.S. oil and gas increased, the industry shifted back into a growth period. Many of those plants being considered for consolidation are now thriving. This is most vivid for any folks that drive the I-10 corridor between Beaumont, Houston and Baton Rouge. The amount of oil and gas construction is amazing — all signs of an improving economy and new high-paying jobs.

The second change involves organizational capability. When I started, it was typical for each engineer to have his or her own office within the administration building of the plant. Often people would go into their offices, close the door and work tirelessly on their computers. As administration buildings have been built or upgraded, their format has changed from closed-door offices to an open-space format. Engineers now work from a workstation with other engineers in their group next to them. They carry their laptop computers around and

network together in small conference rooms with Smart Screen technology. As a result, I have seen a significant increase in teamwork and group problem solving that I believe strengthens our ability to safely and reliably operate a unit.

### Anything else people should know about you?

I have been fortunate to recruit engineers from Kansas State for ExxonMobil over the past several years. One of my most exciting “business trips” each year is the week I spend back on campus interviewing prospective candidates for full-time and student-placement positions. I am constantly amazed at the quality of engineers who come through the Kansas State programs. Students should feel confident and excited about the engineering education they’re getting, with its excellent training and experiences that will set them up very well for the future. Go K-State engineering!

## Family overcomes tragedy, uses philanthropy to “pay it forward”

Brad Beecher found himself temporarily living in the basement of a fellow K-State chemical engineering graduate after a tornado destroyed his Joplin, Missouri home on May 22, 2011.

One step at a time, Brad and his wife, Penny, picked up the pieces of their life and moved on. Nine days after the tornado, Brad assumed his new role as president and CEO of Empire District Electric Company in Joplin. Two years later, their oldest daughter, Krystal, graduated with honors from nursing school. They purchased a new home in nearby Carl Junction, and their youngest daughter, Madison, entered middle school. But, understandably so, the couple was forever changed that fateful day.

“It restores faith in humanity,” said Brad, recalling how the community of friends and neighbors rallied together in the wake of citywide devastation. “It does impact your outlook on life. It makes you want to pay it forward and do good things.”

One way the Beechers are paying it forward is through scholarship support for K-State chemical engineering students. Brad, a 1988 chemical engineering graduate, remembers how scholarship support affected his own educational experience.

“Scholarships allowed me to get through school without debt and get started in life on the right foot,” he said. “I think that’s important because college costs just keep going up.”

By endowing a scholarship through payments over five years, the Beechers hope to make a long-term difference for Kansas State University, its engineering students and the engineering industry as a whole.

“It’s so important that kids get through engineering school,” Brad said. “We need new engineers because we have a lot of Baby Boomers who will be retiring. To the extent that we can remove financial obstacles from their path, this will only help society.”

Through their close-knit community and their K-State family, the Beechers witnessed how a helpful society can turn tragedy into triumph. Now, they hope their gift will likewise empower K-State students to turn obstacles into opportunities.



PENNY AND BRAD BEECHER

To learn how your gift can make a difference for chemical engineering students, please contact the engineering development office at [engineering@found.ksu.edu](mailto:engineering@found.ksu.edu) or 785-532-7519.

Interested in supporting the KSU chemical engineering program?

Learn more at [www.found.ksu.edu/give/che](http://www.found.ksu.edu/give/che).



# ALUMNI NEWS

**Travis** (B.S. 2006) and **Jeannette** (B.S. 2006) **Rogers** repatriated to The Woodlands, Texas, in January after 2.5 years living in Al Jubail, Saudi Arabia. Travis is now working in the polyethylene commercial group for Chevron Phillips Chemical Company, and Jeannette is doing part-time consulting for the natural gas pipeline industry. They have two children, Lucy, 4, and Elizabeth, 2.

**Stephanie Weir** (B.S. 2011) graduated from the University of Michigan weekend MBA program.

**Sameer Khaitan** (M.S. 2003) is an environmental specialist for the World Bank and is currently working on the \$1 billion Ganga River project. This project aims to plug some of the major infrastructure gaps in cities along the banks of the Ganga, primarily in Rishikesh, Kanpur, Allahabad, Varanasi, Patna and Kolkata. He has been involved in project management, technical reviews, environmental clearances, social aspects and procurement issues.

# STUDENT NEWS

**Andrew Betzen, Michael Carlson and Clint Janzen** received honorable mention in the AIChE 2015 Student Design Competition – Team Category for their project, “Alternate Technology for Sour Water Stripping.”

**Yichao Zhang** received an Undergraduate Research Award to support her undergraduate research from K-State’s Office of Undergraduate Research and Creative Inquiry. Zhang also received the 2016 International Leadership Award from the K-State Alumni Association and a Cancer Research Award from the Johnson Cancer Research Center at K-State.

**Will Smith** received a Cancer Research Award from the Johnson Cancer Research Center.

**Diane Collard** received second place at the undergraduate research poster competition at the AIChE Student Chapter Regional Meeting in Manhattan in spring 2016. She also presented a poster, “Functionalized Boron Nanoparticles: Characterization of Thiol-ene Click Chemistry,” at the Emerging Researchers National Conference in Washington, D.C. Collard is conducting research with CHE Professor John Schlup.

**Jesus Loera** received the Alianza Scholarship from Alianza, the faculty-staff alliance for Hispanic/Latino affairs at K-State.

## In remembrance

**Aimison Jonnard** (B.S. 1938) passed away Sept. 24, 2015. He worked at a number of companies during his career including DuPont, Shell, Celanese and Esso/Exxon. He also wrote “Business Aspects of Chemistry,” a series of books, tapes and lectures that he presented to scientists at chemical corporations throughout the U.S. and Canada. In 1972, he became the chief of the Division of Energy at the International Trade Commission, where he worked for 29 years. He is survived by his wife of 54 years, Jean, three children and their families.

**Charles Thomas Payne** (B.S. 1949) died Aug. 1, 2014, in Chicago, Illinois. He attended the Graduate Library School at the University of Chicago and held various positions at the University of Chicago Library, including assistant director. He was a pioneer and major contributor to the field of library information technology. Payne was the great-uncle of President Barack Obama. He is survived by his wife, Melanie, and son, Richard.

**Devon Ronsee** and **Mark Neal** received first place in the design/build/team/class project research category at the Engineering Undergraduate Research Poster Forum.

**Carly Rasmussen** received a \$2000 Universidad Carlos III de Madrid Scholarship to study abroad in Madrid, Spain.

**Rachel Walker, Karter Krokstrom** and **Brett Bandy** earned SHIELD Scholarships from Phillips 66.

**Yulia Burakova** won second place in the 2016 K-State Graduate Research, Arts and Discovery Forum in the interdisciplinary research oral presentation category. She also won second place in the poster competition at the Conference of Research Workers in Animal Diseases in Chicago. Her poster, “Hydrogen Peroxide Inactivation of PRRS Virus for Vaccine Preparation,” included co-authors L. Wang, R. Madera and J. Shi from the Department of anatomy and physiology, and John Schlup, CHE professor.

**Fan Zeng** received the Robert I-Jen and Sophia Shui-Kan Jung Graduate Scholarship in Engineering for Ph.D. students.

**Haider Almkhelfe** was selected as one of the K-State Graduate Student Ambassadors.

# CONGRATULATIONS CHE GRADUATES

## M.S. and Ph.D. graduates May 2016

**Stanford, John** – Rezac (Ph.D.)  
*Development and Characterization of Noble Metal Integrated Polymeric Membrane Reactors for Three-Phase Hydrogenation Reactions*

**Wales, Michael** – Rezac (Ph.D.)  
*Membrane Contact Reactors for Three-Phase Catalytic Reactions*

**Sperber, Jared** – Edgar (M.S.)  
*Investigations of Hexagonal Boron Nitride: Bulk Crystals and Atomically-Thin Two Dimensional Layers*

## B.S. graduates December 2015

**Bosch, Austin** – Koch Pipeline Company  
**Dorsett, Daniel** – Agilent Technologies  
**Gaede, Nolan** – Ash Grove Cement Co.  
**Jangam, Nitya** – Catalent Pharma Solutions  
**McCanlies, Ashley Elijah** – Hospira  
**Shenold, Ajay**  
**Ward, Nathan** – Ibsiden Ceram Environmental Inc.  
**Petry, Michael** – Ash Grove Cement Co.

## May 2016

**Aldakheel, Eyad** – Halliburton  
**Allen, Rachael** – Burns and McDonnell

**Alsada, Husain** – SABIC  
**Barrios, Reggeany** – Avexis, Inc.  
**Bennett, Michelle** – seeking  
**Benton, Joshua** – Avexis Inc.  
**Fleming, Stephen** – seeking  
**Flores, Erika** – Colgate Palmolive  
**Follette, Marissa** – Pantex  
**Grieves, Tristan** – Tamko Building Products  
**Grossardt, Jason** – Phillips 66  
**Haverkamp, Zachary** – Cargill  
**Hilk, Colin**  
**Hilts, Julia** – Burns and McDonnell  
**Jundt, Kai**  
**Keffer, Sarah**  
**Kezar, Elizabeth** – University of Michigan, CHE Grad Studies  
**Kipp, Corey** – Burns and McDonnell  
**Klaassen, Nikki** – seeking  
**Krug, Austin** – Burns and McDonnell  
**Madden, David** – Roeslein and Associates  
**Maier, Anne** – University of Arkansas, CHE Grad Studies  
**Mouais, Ahmad** – Yanbu National Petrochemical Company  
**O’Connor, Patrick** – University of Kansas, CHE Grad Studies  
**Peterson, Bradley** – Bettis Laboratories  
**Radenberg, William** – General Mills  
**Reynolds, Matthew** – seeking  
**Robb, Parker** – seeking  
**Rzewnicki, Joseph** – Phillips 66  
**Sheets, Scott** – seeking  
**Tate, Jenae** – Chevron Phillips Chemical Company  
**Vacca, Lucas**  
**Vlach, Nathan** – Bettis Laboratories  
**Von Feldt, Kevin** – Sonoco  
**Williams, Benjamin** – Chevron Phillips Chemical Company  
**Williams, Parker** – Textron Aviation  
**Wilson, Hunter** – seeking  
**Xu, Jiayi** – Kansas State University, CHE Grad Studies





## Chemical Engineering Alumni Social

### Homecoming Weekend – October 2016

The chemical engineering department is kicking off a series of alumni reunions this year with a social event at Tallgrass Tap House during homecoming weekend, Friday, Oct. 21. Please come reunite with fellow K-State CHE alumni and hear the latest updates within the department.



**When:** Friday, October 21, 2016, 5 - 8 p.m. (after the parade)  
**Where:** Tallgrass Tap House, 320 Poyntz Ave., Manhattan, KS  
**RSVP/Save the Date:** RSVP @ Whoozin.com and import to your calendar  
**Contact/Questions:** Bryan Anderson — bryan.s.anderson@gmail.com

## Let us know what you've been up to

We would like to feature alumni news in future issues of ChemE News. Please include the info below and mail to Keith Hohn, Dept. of Chemical Engineering, Kansas State University, 1005 Durland Hall, 1701A Platt St., Manhattan, KS 66506-5102; e-mail to hohn@ksu.edu; or fax to 785-532-7372. Thank you.

Name \_\_\_\_\_  
Degree/year \_\_\_\_\_  
Title \_\_\_\_\_  
Company name \_\_\_\_\_  
Business address \_\_\_\_\_  
Phone \_\_\_\_\_  
Home address \_\_\_\_\_  
Phone \_\_\_\_\_  
News/accomplishments \_\_\_\_\_  
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### Notice of nondiscrimination

Kansas State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, or veteran status, in the University's programs and activities as required by applicable laws and regulations. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University's Title IX Coordinator: the Director of the Office of Institutional Equity, equity@k-state.edu, 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, (785) 532-6277. The campus ADA Coordinator is the Director of Employee Relations, charlott@k-state.edu, who may be reached at 103 Edwards Hall, Kansas State University, Manhattan, Kansas 66506-4801, (785) 532-6277.