I wrote in last year’s newsletter that the greatest threat to our continuing success is taking our department culture for granted. But what is the K-State IMSE culture? To answer this key question, let’s investigate what is common across all the generations of people who have been part of this department.

First, we graduate great students who get great jobs and have great careers! Several of the companies who regularly recruit our graduates have told us that K-State IMSE graduates are among their top performers.

Second, we have great faculty and staff who genuinely care about our students and alumni. Evidence of this fact is found in exit interviews in which students regularly report how much they value their connection with IMSE faculty and staff and how they value that they maintain open offices and seem to want to connect with them. As a result, half our current faculty have won teaching awards and one third of our current faculty have won advising awards. Additionally, four of our current faculty have won NSF CAREER awards and our faculty publish on average five refereed scholarly papers per member annually.

Third, our students are well-connected to each other. A fundamental reason for this is that most of our classes involve team-based projects. These projects are extra work for faculty, but they help students to forge deep connections with one another both in and out of class. Furthermore, our professional academy promotes connections through its sponsorship of the alumni mentor program and the Skill Xcelerator.

During the past year, two alums have invested their own resources to celebrate and promote this culture. As you read about last year, Mark and Kinley Neier established an award that recognizes an outstanding alumnus for contributions to advance the department and its students. In addition, Kyle and Emily Grabill recently established an award in honor of David Ben-Arieh to celebrate exemplary leadership in furthering the IMSE department culture of excellence, teamwork and service. We look forward to telling you more about the Ben-Arieh award and the inaugural winners of these great awards in our next edition of Alumni Connections.

What can you do to further the IMSE culture of success and excellence?

• Join the IMSE Professional Academy or advisory council.
• Support scholarships for IMSE students.
• Support the department financially to enable student and faculty activities.
• Invest in named faculty positions.
• Invest in building the K-State Manufacturing Innovation Lab.

Now, more than ever, we need your support to maintain and build the department culture. I’m as proud today of our department, faculty and alumni as I’ve ever been. Won’t you engage with us and become even more connected? Together, we’ll make K-State IMSE even better tomorrow. Call or email me to talk about how you’d like to contribute toward advancing K-State IMSE.

Bradley A. Kramer
Professor and Department Head
Ike and Letty Evans Engineering Chair

Contents

4 Ben-Arieh retires after 32 years
6 Pair of young IE alumni set up endowed scholarship
7 Vick honored with PPA award
8 What to do when the research bug bites
10 Can IE skills help solve K-State football’s third-quarter slump?
11 The advantages of additive manufacturing of 3D aerogels
12 Q&A with Graduate Student Council president
13 IMSE advisory council active members | Fall 2021
14 IMSE Professional Academy
15 IMSE 2021 graduates

Advocate for hiring IMSE interns and graduates.
Support scholarships for IMSE students.
Support the department financially to enable student and faculty activities.
Invest in named faculty positions.
Invest in building the K-State Manufacturing Innovation Lab.

Keep up with us on social media!
@KStateEngg
Ben-Arieh retires after 32 years

After 32 years, David Ben-Arieh is retiring from the IMSE department. Ben-Arieh impacted the lives of countless students, made advancements in the profession and has been a great colleague and key contributor to IMSE.

Ben-Arieh grew up in Israel. He attributes his success as a professor to the very strong education he received. He attended a technical high school for five years and earned a Bachelor of Technology in Electronics.

When he turned 18, Ben-Arieh was drafted into the Israeli Air Force as a fighter pilot. He flew several planes while in the air force, including a light subsonic attack fighter airplane, the A4 Skyhawk. Between 1970-1982, Ben-Arieh also worked as a flight instructor.

Ben-Arieh decided to pursue a career in academia because it gave him the freedom to explore and learn in many directions. In 1987, he returned to Ben-Gurion University in Israel for three years to work as a professor of industrial engineering. He enjoyed his first academic job as a professor, but missed the kind and warm people of the Midwest in the United States and their way of life. Ben-Arieh and his family returned to the Midwest and settled in Manhattan in 1990 when Ben-Arieh joined the IMSE department.

“My family and I fell in love with this place, and we have lived here ever since,” he said.

Ben-Arieh believes that developing relations with students is important to being a good teacher. Teaching gave Ben-Arieh the greatest satisfaction as a professor. He enjoyed enabling students to understand, internalize and develop deep intuition, and become more of an expert in the subject.

“I really try to create a foundation of understanding because that is what makes students better engineers,” he said.

Ben-Arieh began his academic research career working to improve manufacturing process planning. Over the years, he has contributed to many fields with a general theme of improving systems using quantitative methods.

“I switched to many different areas of research because the knowledge, technology and methods kept advancing,” he said.

In recent years, Ben-Arieh began to apply his systems engineering skills to medical and health care issues. In particular, his work focused on modeling the spread of disease at both the micro level within the human body and the societal macro level.

Ben-Arieh has published more than 70 journal articles related to his research. One of his last papers ahead of retirement was a collaboration with Professor John Wu and a pair of doctoral students in the department on the evolution of the pandemic.

Ben-Arieh co-founded and led the department’s Health Care Operations Resource Center. The purpose of the center was to improve the operation of health care systems. The center accomplished this purpose through conducting both research and development projects and applied projects conducted with health systems providers. To guide its efforts, Ben-Arieh created an advisory council for HOCR. This council consisted of administrators and clinicians from large hospitals, rural hospitals and clinics, and health insurance companies. The center had engaged more than 70 students to conduct more than 20 projects to improve health care operations in both large and small operations.

“We brought a lot of awareness to health care in the department,” he said. “It required a lot of energy and a lot of commitment and sacrifices.”

Actively engaged in promoting the industrial engineering profession, Ben-Arieh has served on the editorial board of three academic journals, provided leadership to multiple professional conferences and served as the chair of the Human Factors Special Interest Group for American Telemedicine Association.

He is a fellow of the Institute of Industrial and Systems Engineers and a Society for Health Systems diplomate.

Ben-Arieh also did contract work in his spare time during summers, working at NASA in Cape Canaveral, Florida. He looked at management issues related to space including missile launches and logistics of space exploration, among other things.

“I enjoyed the area and that’s why we’re going back there after my retirement,” Ben-Arieh said.

Ben-Arieh has seen a lot of changes during his time at K-State. Over the course of his career, the department has changed its name, hired new faculty and staff, added degrees, and added and dropped a minor.

“I like to think I was an active part in the evolution of the department and all the many stages we have had,” he said. “We are continuously changing, improving and evolving.”

Ben-Arieh said it is important to have a happy life in the department and he always felt happy and included, with some of his favorite K-State memories coming from trips with other faculty members. He gave praise to Bradley Kramer, IMSE department head, for being part of the success.

Since the Ben-Ariehs love Manhattan, they are leaving with mixed feelings. Ben-Arieh and his wife, Josefa, will be moving to Cape Canaveral in May 2022. They will be closer to their children and grandchildren. They look forward to visiting family in Israel, chartering a boat in the Mediterranean and visiting Europe before settling in Florida.

Please join us in thanking Dr. Ben-Arieh for all he has done to advance K-State IMSE. You can reach Dr. Ben-Arieh directly to express your appreciation by emailing him at davidbe@k-state.edu.
It’s not uncommon for those at the end of a long and successful career to set up an endowed scholarship fund as a way to help those with financial needs while preserving their legacy for decades to come. Setting one up as 20-something newlyweds? A much rarer feat, but easier than some might think.

Two young industrial engineering alumni are proving just that by generously giving back to the industrial and manufacturing systems engineering department only a few short years after graduating. In the fall of 2021, Alonso Talamantes and Gabby Dellinger finalized the Dellinger-Talamantes Vanier Family Scholarship. Talamantes graduated in 2017 with his bachelor’s and master’s in industrial engineering with a minor in statistics, while Dellinger graduated with a bachelor’s in industrial engineering in 2016 before completing an MBA at Strayer University in 2021.

The pair currently reside in Houston with their three rescue animals, cats Alaska and Clementine and a dog named Hershey. Dellinger works for Frito Lay as the quality and food safety department manager, while Talamantes works for ExxonMobil as a sales account manager. They were married in August 2021.

With generous matching available from the Vanier family and their employers, ExxonMobil and Frito-Lay, Talamantes and Dellinger decided it was a good time to set up an endowed scholarship. Their annual pledge will be effectively matched at a 7:1 ratio, with funds being distributed beginning in the fall of 2022 and annually after that. Since scholarships were the sole reason they could afford college, Talamantes and Dellinger are thrilled to be able to set up this endowment so early in their professional careers in order to help others achieve their educational goals.

“I am a first-generation American,” Talamantes said. “My mom illegally crossed the border in January 1995 to meet up with my dad, who had residency, so that my siblings and I could live a better life. We didn’t have money growing up. We didn’t speak English. We lived in a cockroach-infested apartment for some time because it was the only thing that was available. To go from that to being a first-generation college graduate, buying a house at the age of 21, making a six-figure salary at ExxonMobil and setting up an endowment at the age of 26 is amazing. I hope my story will inspire others to understand that no matter what your background, you have an opportunity to be your own version of successful.”

The couple met in IE classes and spent a significant amount of time together while doing Open House activities during college. In fact, involvement in the IMSE department and their classes together were instrumental in bringing the two together.

“Believe it or not,” Talamantes said, “we even watched Dr. Wu’s SQL videos in my living room together on a big-screen TV.”

Both Dellinger and Talamantes were very involved while in college. Talamantes was in the Kansas State University Marching Band all four years of school and even became the head alto saxophone section leader. He was also an Engineering Ambassador, giving tours in both English and Spanish, and a member of Steel Ring, honored as the 2018 St. Patrick winner for his many leadership and academic pursuits.

Dellinger was a member of the Alpha Chi Omega sorority and the Society of Women Engineers. She helped lead Open House for the chemical engineering department in 2015 and for the industrial engineering department in 2016, winning first place.

Both Talamantes and Dellinger remain highly involved with the department. They are mentors for students in the Intro to IE class and are a part of the IE Professional Academy. Talamantes is also a mentor for the Skill Xcelerator program and volunteers for resume critiques. Whenever possible, they come back to recruit for their respective companies. Both love helping current students in any way they can.

If you have any questions for the KSU Foundation, or would like to make a donation or set up an endowment, please contact Gavin Hargrave, senior development officer for the Carl R. Ice College of Engineering by email at gavinh@ksufoundation.org or by phone at 785-775-2047.

Gabby Dellinger and Alonso Talamantes on their wedding day.

Why wait?
Pair of young IE alumni set up endowed scholarship

Vick honored with PPA award

Julie Vick, of Chanhassen, Minnesota, is one of 10 alumni honored by the Kansas State University Carl. R. Ice College of Engineering for significant early to mid-career success following graduation. Vick was recognized with the Professional Progress Award on March 5 at the Seaton Society Award Celebration in Manhattan.

Vick is a 2002 graduate of Kansas State University in industrial engineering. She has an MBA from Baker University. Vick is the senior director of Procter & Gamble product supply — transportation and warehousing cost program. In this role, she has the responsibility for the current and future structural savings programs inclusive of the transportation and warehousing network for Procter & Gamble. She joined Procter & Gamble in 2002 as a process engineer and material supply manager and has had the opportunity to work end-to-end with the company’s large and complex supply chain.

Vick has been actively engaged with IMSE throughout her career. She was an active member of the IMSE advisory council for two full three-year terms. It was during her tenure on the advisory council that the group established the IMSE Professional Academy. Vick was key member of the group that established the academy and was one of its earliest inductees. She continues to be active in the academy and in the department by mentoring several students each year and coaching in the Skill Xcelerator program. Vick and her husband, Andy, have three children, Alexis, Aubrey and Tyler.
Quite often, students doing undergraduate research enjoy the experience so much they decide to continue their academic studies so they can continue doing research. Two recent IMSE graduates are continuing their research journey while obtaining their master’s degrees in the department. Shiseido Robinson is continuing her graduate research under Assistant Professor Suprem Das, while Dakota Angell is working with Professor Shuting Lei.

Shiseido Robinson
Robinson said that undergraduate research is what encouraged her to continue on and get her industrial engineering master’s in order to continue doing research. Undergraduate research made her fall in love with exploring theories and ideas at a subatomic level.

“Research is so exciting. I know that my curiosity will lead to new discoveries and tomorrow’s next big revelation,” Robinson said.

She is currently researching additive manufacturing of graphene-based electronic devices. With a current supply chain shortage on batteries and semiconductor chips, research that makes these devices more economical and easier to reproduce and manufacture is critical. Robinson said her research journey has reinforced her belief in the importance of higher education.

“It has given me the opportunity to further my development with scientific and technological innovations and knowledge that affects us every day,” she said.

Robinson chose industrial engineering as her path because she is a critical thinker and wants a career in which she can physically analyze processes to make things safer and more efficient for people. She would love to someday use her skills to create a safer and better tomorrow as an industrial engineer for NASA.

“I would love to design automated material-handling systems for the movement of parts within their facility and develop reliability and quality management systems to ensure a manufactured product is free from defects,” she said. “That could relate to their spacesuits or designing a mission management plan for payload specialists on each space shuttle.”

She would also love to help restore the conditions of the New York City Housing Authority, or NYCHA, as a volunteer. Robinson is originally from New York, so she would like to help the NYCHA residents have a safe living environment that would help with children’s mental health, well-being, productivity and performance in school.

Robinson sees the benefits of her industrial engineering education in a variety of ways, more than just professionally.

“Industrial engineers work in every sector: manufacturing, technology, health care and retail,” she said. “The qualities I’ve gained from the academics, clubs and other programs offered while studying industrial engineering will benefit me not only professionally, but in every aspect of life.”

Dakota Angell
While under Lei’s advisement, Angell wanted to continue her education because of her involvement with undergraduate research and the opportunities research provides.

“I have really enjoyed working on a team with students, faculty and companies,” Angell said. “This exposure has made me more knowledgeable on how research is applied in the corporate world.”

She also has gained organizational, team participation and technical paper writing skills, which will help her in the future. She has had the opportunity to participate in company progress reports and updates, Open House presentations and a conference in Oklahoma. Her research is allowing her to learn more about the field of industrial engineering.

As a graduate student, Angell is continuing her undergraduate research on the femtosecond laser effects on modified surfaces because she wants to learn more about the topic and has enjoyed every minute of her research experience.

“The goal of my research is to generate a superhydrophobic surface, or a surface that repels liquids such as water and melted polymers,” she said.

After finishing her master’s, Angell plans to work full time as an engineer for Cargill in a program that focuses on maintenance and leadership engineering and will be working at a soybean crush facility attached to an oil refinery.

“I will use the knowledge that I have gained to submerge myself in the new position as well as a new field of agriculture,” she said.
Can IE skills help solve K-State football’s third-quarter slump?

Last season, the K-State football team struggled to score in the third quarter. Was the problem rooted in K-State’s offensive adjustments or was it that their opponent made better defensive adjustments to the K-State offense?

A K-State IMSE senior design team is using their industrial engineering skills to help K-State win the third quarter. The students on the team are Will Swanson, Nick Nolkemper, Tanner Luce and Ryan Bach. The team is advised by Shing Chang, professor of industrial and manufacturing systems engineering.

“The goal of our project is to create a user-friendly tool that is able to take inputs from an in-game scenario and recommend a play-calling strategy,” Luce said.

Swanson has been helping the K-State football team since he arrived on campus. His involvement with the team opened the door for the IMSE team to work on this problem.

Looking at the numbers, the team noticed that the Wildcats have trouble putting points on the board in the third quarter compared to other quarters and other teams.

The team members began this project by laying out a timeline using the DMAIC (define, measure, analyze, improve and control) process to segment their work and achieve their goals.

They utilized information they learned in their statistical quality control) process to segment their work and achieve their goals. Using the DMAIC (define, measure, analyze, improve and control) process, the two other members took the position that it was the opponent’s better adjustments leading to K-State’s woes. Both teams used the same data and argued their points to gain insight into what was happening.

“We hope our presentations will give the coaching staff important insights so they can have a more productive offense in the third quarter,” Bach said.

Members of the design team said that throughout the process they have learned the importance of communication.

“Keeping our client updated on where we are at in the process and understanding their needs is critical to the success of our design,” Swanson said.

“Ideas may change with leadership changes,” added Nolkemper, “so adapting quickly is necessary.”

The team members expect that the applied knowledge they’ve learned while working with this large data set will benefit them in their future careers.

“We have cleaned up data, analyzed it and built statistical models to illustrate the significance of factors that come into play for offensive play-calling and defensive adjustments,” Swanson said.

With all the knowledge the K-State football team will gain from this senior design team, there is hope that we will hear a lot more, “good for a Wildcat touchdown!” over the speakers at future home football games.

Are you interested in sponsoring a senior design project? Contact Brad Kramer at bradleyk@k-state.edu.

The advantages of additive manufacturing of 3D aerogels

K-State industrial and manufacturing systems engineering graduate student Halil Tetik’s paper entitled “Additive Manufacturing of 3D Aerogels and Porous Scaffolds: A review,” was recently published online in the highly respected journal, “Advanced Functional Materials,” a collaborative publication with Northeastern and Lawrence Livermore.

Tetik, along with Nasrullah Shah, former visiting Fulbright research scholar from Pakistan and Dong Lin, associate professor of industrial and manufacturing systems engineering, did a thorough review of additive manufacturing technology, which has been widely used to fabricate 3D aerogels having complex geometries that cannot be created through conventional fabrication methods.

Q: What is additive manufacturing?

A: Additive manufacturing is the process of creating an object by building it one layer at a time, an example being 3D printing. This process is in direct contrast to subtractive manufacturing, which creates an object by cutting away a solid block of material until the final product is complete.

Q: What are aerogels, and what advantages are there to creating them through the additive manufacturing process?

A: Aerogels are a class of highly porous materials with attractive properties for a variety of applications, including tissue engineering, electrochemical energy storage, controlled drug delivery, sensing and soft robotics. Additive manufacturing also provides other advantages, such as an ability to design the porosity of the aerogels, which enables tuning the physical properties of the final product. Multi-material printing enables multi-material aerogels with enhanced performance for different applications.

Q: Are there different ways to additively manufacture aerogels?

A: To date, three major additive manufacturing technologies have been proposed: extrusion, inkjet and stereolithography. Each is followed by an appropriate drying process. In the review produced by Tetik, the details of steps included in the additive manufacturing of aerogels and porous scaffolds are discussed and a general frame is provided for their additive manufacture. Then, the different post-printing processes are addressed to achieve the desired porosity, mechanical strength and functionality.

Q: What sort of practical applications can this method produce?

A: The applications and possible future use of these 3D-printed aerogels/porous scaffolds made from a variety of materials are highlighted in Tetik’s review. This method could produce aerogels with the potential to aid systems that store electrical energy, such as batteries and super capacitors. Another option discussed is the use of aerogels for systems that generate electrical energy using ambient energy, such as converting human motion to electrical energy for wearable devices.

Lastly, the review highlights the aerogel/porous scaffold use for biomedical applications for tissue engineering. Some examples include regenerating human tissue from patient’s cells on a 3D-printed scaffold or targeted drug delivery that would include loading 3D-printed patches with specific drugs that would allow for controlled release at a given target site.

Q: Are there other applications the researchers are investigating?

A: Another option is the use of aerogels for sensors and actuators, including 3D-printed devices that are responsive to external stimuli. The aerogels can be used for sensing different phenomena and for external stimuli and can be used for making the 3D-printed structure move. The review also highlights the use of aerogels for environmental applications, such as 3D-printed, complex structures for generating purified/ drinkable water using solar energy, among other ideas.
Q&A with K-State Graduate Student Council president

IMSE doctoral student Pingping Chen served as K-State’s Graduate Student Council, or GSC, president-elect from May 2020 through May 2021 and then as GSC president from May 2021 through May 2022. As the president this past year, Chen served as the primary contact and spokesperson for the council, was responsible for overseeing and facilitating all GSC activities and was responsible for representing graduate student interests on the graduate council as well as Faculty Senate. We recently caught up with her to ask some questions about her time as GSC president.

Q: Why did you decide to run for the GSC president position?
A: I was interested in joining GSC because I enjoyed and benefited from the workshops and events held by GSC and I wanted to get involved in planning events that could benefit more students. After getting to know more about the GSC, I realized that there are few members from the engineering department, and no members from IMSE, so that was another great reason to be part of the GSC.

Q: What did you hope to accomplish while serving as president?
A: My first goal as president was to increase the diversity of GSC, especially to get more students from the engineering, math and physics discipline involved. The GSC is lacking voices from these STEM fields. It’s necessary for GSC to become more inclusive in order to better represent all graduate students at K-State.

In addition, I wanted to push GSC as a better platform to implement initiatives that matter to students. GSC is a community in which the graduate students share their interest in developing new initiatives for their peers. The students usually have ideas for resources they would like to see at K-State. As the president of GSC, I wanted to encourage more students to propose their ideas to GSC and help bring those ideas to fruition.

Q: Do you feel like you accomplished the goals you set out to accomplish?
A: In 2021-2022 we’ve seen the GSC become more inclusive with more department representation, more students from STEM departments and more total students on committees. The GSC now has 30 students from 34 different graduate programs engaged in leadership roles. We have more graduate student representatives in three more university committees and one more graduate senator in the Student Governing Association.

While GSC president, our leadership team began to initiate and advocate for several things that are important issues for graduate students. We began to discuss ways to get more pay for graduate assistantships and ways to help equalize pay across departments. We also began to discuss ways to build a community where graduate students can express their concerns and get help with mental health issues. One thing we noticed is that mental health help needs to be more visible on K-State graduate student websites. And finally we began discussing the possibility of adding graduate students to university committees. We now have graduate student representation on the University Planning Committee and the University Diversity Committee.

Q: How has your experience been as the GSC president?
A: I enjoyed being president of the GSC because I care a lot about the graduate student experiences at K-State and this gave me a chance to support all K-State graduate students.

As graduate students, we tend to be so focused on our research that we forget we are a part of a larger community. As the president of the GSC, I got to meet a great diverse population of graduate students and hear how their experiences vary across departments. I was also able to interact with the deans and administration, which helped me understand more about how a university is run.

Q: Would you encourage other students to run for GSC offices or other leadership roles?
A: The answer is yes! I would advise new graduate students at K-State to meet people outside their department to enhance their graduate student experience by meeting people with different talents and expertise. From my experience serving as president-elect last year and then president of the GSC this year, I gained so many valuable skills throughout this experience.

Whether they decide to enter academia or industry after graduation, graduate students will need skillsets that include networking, presentation skills, leadership skills, mentorship training and team management. Taking leadership roles and being actively involved in GSC is a good way for graduate students to gain these tremendous skills.
Department News

Congratulations, 2021 IMSE graduates!

B.S. Industrial Engineering

Spring
- Mohsen Mohammed Al Ishaq
- Abdulmattalib Alshaq
- Dakota Angell
- Vanessa Anduik
- Robert Bisagno
- Connor Brandley
- Ethan Copple
- Nicholas Degenhardt
- Rebecca Dool
- Lindsay Eckman
- Juliane Francais
- Paul Garcia
- Kyle Grable
- Cassidy Harper
- John Harrington
- Penny Henry
- Abby Hillard
- Andrew Huschka
- Shelley Jaderborg
- Steve Johnson
- Kerry Kaiser
- Gabriele Lobo
- Larry Loomis
- Valen McDaniel
- Mark Miller
- Michael Mylin
- Natasha Peeples
- Audra Ratliff
- Brant Roney
- Justo Santacruz
- Mason Stewart
- Caleb Sutton
- Kathryn Thomas
- Tony Veith
- Lucas Verscheden
- Rachel Vonderheide
- Brian Wenger
- John Miguel
- Colin O'Brien
- Nathan Osvald
- Dylan Pandjiris
- Maria Paramo Perez
- Jansen Penny
- Jared Pierce
- Caleb Reed
- Kyle Rolls
- Andrew Schutte
- Tessa Seebeger
- Kathryn Sommers
- Sarah Strouse
- Markus Sturdevant
- Caleb Sutton
- Robert Wasinger
- Ruby Weninger
- Madelyn Yalowitz
- Brandon York
- Sydney Fitchett
- Marshal Hall
- Jacob Riley
- Muhammad Alshughaythiri
- Jack Carter
- Richard (Alec) Clayton
- Karisa Goss
- Hannah Grell
- Daniel Grice
- Danielle Lindquist
- Ethan Lopez
- Michael Mylin
- Mitchell Porter
- Shisando Robinson
- Jack Rottinghaus
- Jarrett Williams

Fall
- Samuel Long
- Chenna Padinnababan

M.S. Operations Research

Spring
- Alex Vitt
- Brett Watkins

Summer
- Joshua Krause
- Daniel Ball
- Cori Jackson

Fall
- Rochelle Anderson
- Master of Engineering Management

Spring
- David Burleson
- Evan Engwell
- James McKay
- Sam Puente

Fall
- Andrea Hopkins

Academy Members

Lisle Alderton
Spencer Bontrager
Sara Coash
Tyler Covendale
Rebecca Doll
Doug Gish
Patrick Hessini
Kelley Hughes
Bryce Garver
Dresden Huston
Mandy Kelley

Gabriela Armendariz
Brett Beem
Judy Bloch
Nadalle Boss
Louis Burley
Kyle Carlyle
Jack Carter
Suprem Das
Bob Davis
Lindsay Eckman
Juliane Franscais
Paul Garcia
Kyle Grable
Cassidy Harper
John Harrington
Penny Henry
Abby Hillard
Andrew Huschka
Shelley Jaderborg
Steve Johnson
Kerry Kaiser
Gabriele Lobo
Larry Loomis
Valen McDaniel
Mark Miller
Michael Mylin
Natasha Peeples
Audra Ratliff
Brant Roney
Justo Santacruz
Mason Stewart
Caleb Sutton
Kathryn Thomas
Tony Veith
Lucas Verscheden
Rachel Vonderheide
Brian Wenger

Interested? Reach out to imse@k-state.edu or academy membership chair, Curtis Bryant, at curtisbryant1@gmail.com for more information.

The following are membership levels and member status listings based on CY 2021 involvement:

Academy Member
Exemplary graduate or friend of the Kansas State University Department of Industrial and Manufacturing Systems Engineering who has completed the membership application and orientation.

Sponsored Academy Member
Academy member who meets the time commitment or financial commitment as outlined in membership guidelines.

Distinguished Academy Member
Academy member who meets both time commitment and financial commitment outlined in membership guidelines.

Please make check payable to Kansas State University Foundation

Credit card payment:

• Visa • MasterCard • American Express

Account:

State:

University:

CSCC - 1216

KANSAS STATE UNIVERSITY

INDUSTRIAL AND MANUFACTURING SYSTEMS ENGINEERING

Here is my check or credit card authorization for a gift of:

$1,000 $500 $250 $100 $50 $25 Other $

I would like my gift to go to the:

K-State Industrial Engineering Excellence Fund 177800

Name (print)

Address

City State ZIP

Phone Email

On or your gift at ksfoundation.org/give/engineering

Matching gift information

Please refer to the matching gift program to see if your employer will match your gift.

Thank you for your generous support! The following is my complete address:

Please return this card to K-State Foundation, P.O. Box 3600, Manhasset, KS 66201-1803.

Interested? Reach out to imse@k-state.edu or academy membership chair, Curtis Bryant, at curtisbryant1@gmail.com for more information.
Notice of Nondiscrimination

Kansas State University is committed to maintaining academic, housing, and work environments that are free of discrimination, harassment, and sexual harassment. Discrimination based on race, color, ethnicity, national origin, sex, sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, or veteran status is prohibited. Retaliation against a person for reporting or objecting to discrimination or harassment or for participating in an investigation or other proceeding is a violation of PPM Chapter 3010. Whether or not discrimination or harassment occurred, PPM 3010 is not intended for, and will not be used to, infringe on academic freedom or to censor or punish students, faculty, employees, or staff who exercise their legitimate First Amendment rights. In PPM 3010, discrimination is treating an individual adversely in employment, housing, or academic decisions based on race, color, ethnicity, national origin, sex, sexual orientation, gender identity, religion, age, ancestry, disability, genetic information, military status, or veteran status without a legitimate, nondiscriminatory reason for the treatment, or maintaining seemingly neutral policies, practices, or requirements that have a disparate impact on employment, on-campus housing, or academic opportunities of members of the above-listed protected categories without a valid business or academic reason. The person designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning the nondiscrimination policy is the university’s Title IX Coordinator: the Director of Institutional Equity, equity@k-state.edu, 103 Edwards Hall, 1810 Kerr Drive, Kansas State University, Manhattan, Kansas 66506-4801. Telephone: 785-532-6220 | TTY or TRS 711. The campus ADA Coordinator is the Director of Employee Relations and Engagement, who may be reached at charlott@k-state.edu or 103 Edwards Hall, 1810 Kerr Drive, Kansas State University, Manhattan, Kansas 66506-4801, 785-532-6277 and TTY or TRS 711.

Revised August 14, 2020.

Advisory council member Brian Spano interacting with students at the advisory council networking luncheon held in October after their fall meeting.