

A NEW ERA FOR **BUSINESS**

Eli Broad College of Business students will return in the fall to find a new home for their studies. Great strides have been made in the construction of the Minskoff Pavilion. Office furniture is filling out spaces, and open-concept areas that promote collaboration and inspire innovation are receiving finishing touches. The opening of the building on September 27, 2019, will celebrate the beginning of a new era for preparing transformational business leaders at MSU.

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For Donors and Friends of Michigan State University

MSU Developments, published three times each year, is devoted to the inspiration and impact of private philanthropy at Michigan State University.

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The generosity of thousands of alumni and friends empowers MSU's students, faculty and leaders to accomplish the extraordinary every day.

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To explore how you might provide financial support to MSU, contact the University Development office in your college or unit, or call (517) 884-1000.

To remember MSU in your will, personal trust, qualified retirement plan or IRA, contact the Office of Gift Planning at (800) 232-4678 or (517) 884-1000.

The correct reference is: Michigan State University, East Lansing, Michigan, and the federal tax identification number is 38-6005984. If you have already named MSU in your estate plans, please contact us so we can welcome you to the Linda E. Landon Legacy Society. For more information, go to giftplanning.msu.edu.

LEARN MORE at givingto.msu.edu

INTRODUCING **SAMUEL L. STANLEY JR., M.D.**

President Stanley officially began his presidency at MSU on Aug. 1, 2019

he Board of Trustees voted unanimously to name Samuel L. Stanley Jr., M.D., as the 21st president of MSU, effective August 1, 2019.

Dr. Stanley is a distinguished biomedical researcher who has served for the last 10 years as president of Stony Brook University. Stony Brook is an internationally respected research university, home to Brookhaven National Laboratory and a university hospital and, like MSU, a member of the prestigious Association of American Universities.

A year ago, the Board of Trustees appointed an 18-member search committee, co-chaired by Trustees Dianne Byrum and Melanie Foster. The committee solicited input through 22 campuswide listening sessions and an online submission form, where

community members shared their ideas.

The key qualities identified for the next president included having a focus on student success and well-being; demonstrating a commitment to diversity, equity and inclusion; possessing a background in research and scholarship; understanding Title IX issues; having experience in shared governance; and demonstrating an enduring commitment to excellence.

After graduating magna cum laude from the University of Chicago, Dr. Stanley earned his medical degree from Harvard Medical School and completed his resident-physician training

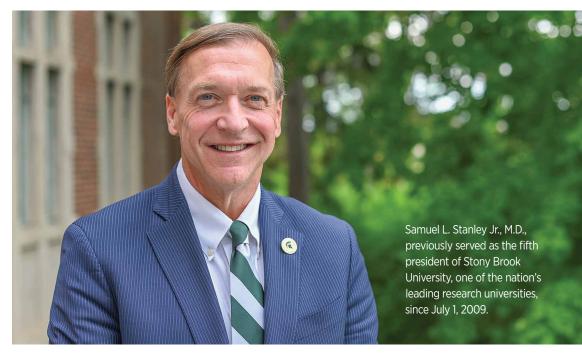
at Massachusetts General Hospital. He went on to Washington University in St. Louis, where he completed a fellowship in infectious diseases and became a professor in the departments of Medicine and Molecular Microbiology and was one of the nation's highest recipients of NIH funding. He was appointed vice chancellor for Research at Washington University in 2006, serving in that position until he was appointed president at Stony Brook.

Dr. Stanley is a member of the Board of Directors of the Association of American Universities and the Association of Public and Land-Grant Universities and recently completed terms on the

NCAA Board of Directors and NCAA Board of Governors. He served for seven years as chair of the National Science Advisory Board for Biosecurity, which advises the United States government on issues related to the communication, dissemination and performance of sensitive biological research.

Dr. Stanley also has been a champion for student achievement, expanding access to higher education and for more state and national funding for financial aid at Stony Brook. He has been an international advocate for gender equity and ending sexual violence in his role as one of two U.S. university Impact Champions for the HeForShe UN Global Solidarity Movement for Gender Equality.

Trustee Byrum notes that Dr. Stanley was recommended from a diverse pool of candidates, saying: "Dr. Stanley is an empowering,



compassionate and thoughtful leader, who will work tirelessly alongside our students, faculty, staff, alumni, trustees and broader Spartan community to meet the challenges we face together and to build our future."

Welcoming events to meet the new MSU President are being planned in cities across the U.S. Watch your mail and email for more information.

LEARN MORE about President Stanley at msu.edu/presidentialsearch/president/

MICHIGAN STATE UNIVERSITY

A Message from the President

As I look at MSU, I see an incredible institution with the scope, scale and ambition to be a catalyst for good in our world. I see a breadth of expertise and excellence at the forefront of critical discoveries in areas as diverse as nuclear physics and African history. I see an outstanding faculty, one of the best in the world. I see excellent students and accomplished alumni—people with achievements that are second to none.

I am very excited to be engaged with a place that has such an extraordinary impact. MSU's pioneering mission—focused on research and discovery that makes a difference in people's lives, while also providing access to a world-class education for individuals to reach their full potential—creates a tremendous opportunity to do good.



Office of the President

MSU has made impressive strides in critical areas such as student success, diversity and inclusion, and expanding biomedical research—areas that have been important to me personally and a driving force in my career. I think there's an opportunity at MSU to advance these ideals for even greater impact.

Of course, there are challenges ahead. After the events that took place here, we need to work on healing and restoring trust, and as we do that, every part of MSU is going to move forward in a much better way.

It is clear that MSU's high quality and standards are reflected in the caliber of people who are associated with it. I look forward to getting to know you and becoming part of the Spartan community. I hope to see many of you at the upcoming receptions being planned around the country in the coming months.

Spartans Will.

Ald My)

Samuel L. Stanley Jr., M.D.

President

new R DEVELOPMENTS



TALENTED STUDENTS ATTAIN STEM **GOALS AS DOW SCHOLARS**

This May, the first cohort of MSU Dow STEM Scholars received degrees, helping to blaze a path for future students who aspire to careers in science, technology, engineering and math, or

The Dow STEM Scholars program launched in 2014 with a \$5 million grant from the Herbert H. and Grace A. Dow Foundation to further their goal of increasing the number of STEM degree holders graduating from Michigan universities.

MSU's program was designed to help students who did not receive the pre-college math training they needed to pursue degrees in science-related fields. Based on their pre-MSU math testing scores, the statistical prediction for these students to successfully graduate in a STEM field was less than 6 percent.

At a recent Dow STEM Scholars honors ceremony, 92 students were recognized for academic achievements, including cumulative GPAs of 3.0 or higher. The inaugural graduates earned degrees in kinesiology, biomedical laboratory science, zoology, human biology, biochemistry and molecular biology, and genomics and molecular genetics. Their future plans include medical school, an accelerated

nursing program and other advanced degrees. At the MSU convocation ceremonies, two Dow STEM Scholars were selected to deliver the student addresses for their colleges.

The program's success has had an impact across MSU, helping to inform decisions and policy changes to improve MSU's entry-level math and science courses as well as to enhance academic advising and tutoring support for all

"Because of the Dow STEM Scholars, all MSU students will have expanded opportunities in STEM-related disciplines," says Kristen Renn, professor of higher, adult and lifelong education and associate dean of undergraduate studies. "We are grateful to the Herbert H. And Grace A. Dow Foundation for its investment that drew upon MSU's leadership in STEM education to help more students prepare for careers in STEM professions."

Graduate Jessica Kwalli, who received a special recognition award for her commitment to the program, says: "Becoming a Dow STEM Scholar was the best part about Michigan State for me. I will be forever grateful for all the support I received."

PREPARING VETERINARIANS FOR BUSINESS **SUCCESS**

efore he passed, Dr. Edward C. Liebler was honored as the College of Veterinary Medicine's 2018 Philanthropist of the Year for his \$3.3 million bequest. His gift will fund the Dr. Edward C. Liebler Endowed Chair in Veterinary Practice Management and Law.

After earning his veterinary degree from MSU in 1964, Liebler opened his veterinary practice in Caro, Michigan. While practicing, he became involved in land development and construction, and formed the Liebler Construction Company in 1967. He later decided to study law, graduating from Thomas M. Cooley Law School in 1983.

It was important to him that future MSU veterinarians be equipped with the knowledge and experience to thrive in the profession. His gift ensures that MSU veterinary students will have the opportunity to gain valuable practice management skills so they are able to make sound business decisions and have an understanding of the impact of law on their work. LEARN MORE: go.msu.edu/liebler





POWERFUL SYMPHONY REMEMBERS THE HOLOCAUST

hen the MSU Symphony Orchestra and Choral Ensembles presented a rare performance of Dmitri Shostakovich's Symphony No. 13 in B-flat minor, "Babi Yar," listeners encountered a profound artistic statement confronting a grievous hate crime.

Babi Yar is the name of a ravine outside Kiev where Nazis killed and left the bodies of approximately 34,000 Ukrainian Jews in the span of 48 hours in 1941. Russian writer Yevgeny Yevtushenko's 1961 poem "Babi Yar" protested the Soviet Union's refusal to commemorate Babi Yar and inspired Shostakovich's symphony.

Performing the hourlong work—which required a baritone soloist and more than 150 musicians and singers—was an immense undertaking, more than two years in the making. Concerts took place both in East Lansing's Wharton Center for Performing Arts and Detroit's Orchestra Hall. Preview lectures by three scholars helped audiences explore the historical context as well as the contemporary resonance of MSU's production.

"It was the culmination of the efforts of many individuals who believed not only that this music needed to be performed by MSU's musicians and singers but also that such a performance merited an audience beyond MSU's campus," says Provost June Pierce Youatt. "Multiple areas came together to present the very best of Michigan State. We are grateful for the generosity of donors who helped make MSU strong in areas like Jewish and Holocaust studies, music and Eastern European History, and helped make possible this outstanding opportunity for student and community engagement."

The performances, conducted by guest conductor Christopher James Lees, opened with Charles Davidson's "I Never Saw Another Butterfly," which also has its roots in poetry, coming from a collection of poems written by Jewish children who lived and often perished in the Theresienstadt concentration camp. The "Babi Yar" performance featured internationally-known baritone soloist Mark Rucker, who also serves as professor of voice in the College of Music. surian@msu.edu; (517) 353-9872.

Much of the horror of Babi Yar had been repressed by the Soviet Union, explains Amy Simon, the William and Audrey Farber Family Chair in Holocaust Studies and European Jewish History, and a core faculty member within the Michael and Elaine Serling Institute for Jewish Studies and Modern Israel. Simon and Matthew Pauly, a historian also affiliated with the institute.



Baritone Mark Rucker and the MSU Symphony with Guest Conductor Christopher James Lees.

and Kevin Bartig, chair of Musicology and distinguished historian of 20th century music and culture in Eastern Europe, helped connect audiences to the historical events.

The concerts were supported by Gretchen and Ethan Davidson, Margie Dunn and Mark Davidoff, The Belle and Julius Harris Visiting Artist Fund established by Lauren Julius Harris, Sue and Alan Kaufman, Iris and Stephen Linder, Rebecca and Alan Ross, Elaine and Michael Serling/The Serling Institute for Jewish Studies and Modern Israel, Drs. Lou A. and Roy J. Simon, Linn Van Dyne and Mike Knox, Jeff D. Williams and Andrea L. Wulf.

Community partners included the Jewish Community Center of Metro Detroit, the Holocaust Memorial Center Zekelman Family Campus, The Jewish Federation of Metropolitan Detroit, The Michael and Elaine Serling Institute for Jewish Studies and Modern Israel, and the College of Music.

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LEARN MORE about supporting the College of Music by contacting Senior Director of Development Rebecca Surian at

RAISING THE BAR FOR PACKAGING SCIENCE

Gifts from Chuck and Jackie Frasier spur renovations for the MSU School of Packaging building

ichigan State created packaging science as we know it.

The School of Packaging was the first of its kind when established in 1952. Today, it's the nation's premier packaging program, offering the only Ph.D. degree in packaging in the U.S.

It's also the nation's largest. In fact, more than half of all packaging engineers employed in the U.S. are Spartans. And MSU packaging doctoral alumni are found in nearly every packaging school across the globe.

As much as the School of Packaging is among the academic jewels of MSU, the building that houses it is among the most modest. When it was last updated in 1986, students didn't yet use computers in classes. The learning landscape has significantly changed since then. Likewise the scope of the packaging discipline has significantly expanded.

Study in the School of Packaging entails engineering materials—glass, paper, plastic, metals—to house and transport all manner of goods. There is also design and prototyping, economics and cost controls, environmental and sustainability issues. More specialized fields delve into print and graphics, robotics, laws and regulations and the unique requirements of industries like food, energy and healthcare. Packaging in one form or another affects everyone, everywhere.

Preparing the next generation of packaging leaders will require top-notch research facilities and spaces that promote teamwork.

Pending MSU Board of Trustees approval, a \$7.5 million renovation has been proposed for the packaging building. One that will:

- Replace stadium-style lecture halls with multifunctional spaces where students can reconfigure the furniture to work in groups or gather after classes to interact with industry leaders
- Provide community environments for graduate students to interact while working
- Offer world-class research laboratories
- Create study spaces where students can plug in and recharge electronic devices

All of that made a lot of sense to School of Packaging alumnus Charles "Chuck" Frasier ('70) and his wife, Jacqueline "Jackie," who recently gave a \$1.5 million gift to jump-start the project.





Artist's concept of a new entrance canopy for the School of Packaging building (far left).

Lead donors for the project: Chuck and Jackie Frasier (above left).

A dramatic atrium lobby (above right) and proposed classroom with flexible, moveable furniture (left).

Chuck founded and served as chief executive officer for packaging and shipping companies operating around the world. In 1981, he established Dixie Box and Crating. The first location opened in Charleston, South Carolina, and after just a few years, the company expanded to two more divisions. By the time Chuck sold the business in 2005, the company had grown to 11 divisions coast to coast. He says his time at Michigan State gave him the training and background he needed to launch and grow his companies, which have been successful for decades.

When Chuck and Jackie heard about the goals for the School of Packaging, they decided it was the perfect opportunity to give back to the school that gave him his start.

"My wife and I have no children. As we thought about getting our estate in order and learned about the School of Packaging's plan for renovations, we decided it was a great opportunity to start giving back," Chuck says.

Their gift will name what will become the new atrium in the School of Packaging building. Additionally, they have committed another \$1.5 million to endow a professorship through an estate gift.

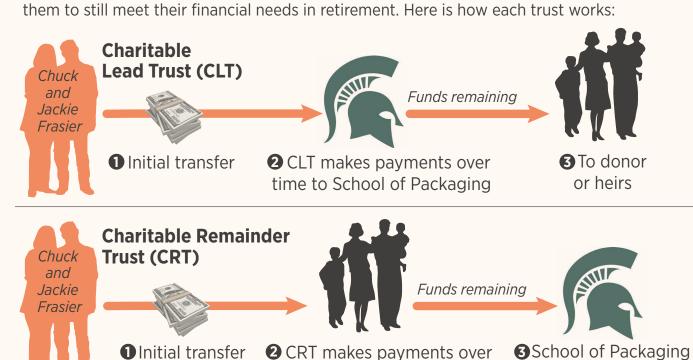
"Chuck and Jackie Frasier's leadership and support for the School of Packaging will help transform a space that continues to produce business and industry leaders," says Ron Hendrick, dean, College of Agriculture and Natural Resources, where the School of Packaging resides.

To attract the next generation of faculty and students, it is imperative that our academic spaces and laboratories reflect what we are—the top school in packaging," Hendrick said. "People like the Frasiers know that investing in our students, our faculty and our spaces allows us to continue to develop packaging as a science and become the starting places for students like Chuck was—curious and ambitious."

LEARN MORE about making a gift to support the school of packaging project by contacting Senior Director of Development Tami Baumann at bauman13@msu.edu or calling (517) 355-0284; or visit **go.msu.edu/packaging**

A CLOSER LOOK AT ESTATE PLANNING

Chuck and Jackie Frasier want others to know they can support what they love at MSU while also meeting their own long-term financial goals. The couple used Charitable Lead and Charitable Remainder Trusts to support the School of Packaging, which allowed them to still meet their financial needs in retirement. Here is how each trust works:



time to donor or heirs

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MUNN ICE ARENA SET FOR TRANSFORMATION

\$1.1 million gift from Tom and Lupe Izzo helps put expansion project in motion



hilanthropy is fueling a transformation of Munn Ice Arena, and along with it, MSU hockey.

At their June meeting, Michigan
State's Board of Trustees approved an \$18.8
million budget for an addition to the south
entrance of Munn. The move followed a
fundraising effort that secured more than
\$10 million in support for the project, including
a combined \$2.7 million from 25 alumni.

It was recently announced that Men's Basketball Head Coach Tom Izzo and Lupe Izzo and family have made a \$1.1 million gift for the project, with a portion to support the Spartan Marching Band and academic services.

"Our basketball program is so very fortunate to have the support of many individuals and donors who understand how important facilities and scholarships are to recruiting and competing for championships," Tom says. "I've been going to hockey games since I came to Michigan State, and those games are some of my greatest memories. The Spartan family is fortunate to have Danton Cole leading the hockey program, and we (Lupe and I) are grateful to be able to support our hockey program that is about to take off."

MSU Hockey Head Coach Danton Cole says he is humbled by the Izzos' generosity. "This facility is a game-changer for us, and I could not ask for a more meaningful endorsement than to have Coach Izzo and Lupe supporting our program," he says.

Munn Ice Arena is inarguably one of the most unique buildings on campus—or anywhere.

Dedicated in 1974 as the home for MSU Hockey, Munn was built into a natural slope that gives it the impression of being underground. Hidden exterior walls and an angular roof belie the true scale of the facility. Once inside, the massive arena comes as a surprise that offers excellent sight lines of the ice all around.

Over the years, strategic investments from the Athletics Department kept Munn on the list of the finest hockey facilities. At the end of the 2014 season, aging ice-making equipment and the building's heating and cooling system were replaced. More recently, new video boards and scoreboards, seating, club boxes and lighting significantly upscaled the game experience for fans.

The upcoming renovations will turn to the external portion of Munn, providing a "front door" that will project an inviting and positive image for the hockey program. Additionally, an expanded concourse will connect a Hall of Honor—highlighting individual and team accomplishments—to an enhanced pro/apparel shop.

Meanwhile, much-needed improvements inside will help attract elite student-athletes, including an updated locker room, shooting bays and a players' lounge. A state-of-the-art weight room will mean hockey players no longer have to trek down the street to the football building to train.

The gift from the Izzos helped kick off the renovations that officially began last month and are expected to be completed by December 2020.

It is the second gift of more than \$1 million for the Izzos since 2011, and they also donated \$500,000 for the media center in their name as part of the North End Zone expansion to Spartan Stadium in 2014.

"MSU Athletics is extraordinarily grateful to the Izzo family for their leadership, dedication and commitment to the MSU community," MSU Athletic Director Bill Beekman says. "Through the years, Tom has guided transformation not only on the court through the success of our basketball program, but also has served many roles in guiding MSU into a world-class institution. Along with his wife, Lupe, they have made a positive impact on the entire campus and community with their charitable works and gifts."

The Izzos also supported the Spartan Marching Band and Student-Athlete Support Services with their most recent gift.

"THE SPARTAN FAMILY IS FORTUNATE
TO HAVE DANTON COLE LEADING THE
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IS ABOUT TO TAKE OFF."

TOM IZZO. Head Coach, Michigan State University Basketball

"We felt it necessary to re-commit to our university and the greater community that has blessed us in so many ways," says Lupe. "Our passion has been and remains the betterment of MSU students. Supporting various initiatives that impact a broad audience was important to us.

"Additionally, it was important for us to impact and say thanks to our Student-Athlete Support Services department and staff who shape the academic lives of our players and to the Spartan Marching Band who enhance the game day experience for all."

A native of Iron Mountain, Michigan, Tom Izzo recently completed his 36th season with the men's basketball program, including 24 seasons as head coach. Inducted into the Naismith Memorial Basketball Hall of Fame in 2016, he began his Michigan State career in September 1983 as a part-time assistant coach under Jud Heathcote, and is the winningest coach in program history.

"Tom and Lupe are both extraordinary individuals who epitomize what it means to be team players," MSU Executive Associate AD for Development Chuck Sleeper says. "It is unique to find a head coach who contributes to a program other than his or her own and that's what makes Tom so special. The entire Izzo family, just like many of our donors, cares deeply about the success of Michigan State."

LEARN MORE about supporting MSU Athletics through the Spartan Fund, including the Munn Ice Arena Expansion, at SpartanFund.net



Top: An architectural rendering of the new south entrance to Munn Ice Arena.

Above: The Izzo family (from left): Steven, Tom, Raquel and Lupe.



s the pioneer land grant institution, Michigan State was responsible for shaping a new idea for a type of university that had never existed before. It had to be invented as we went along. So we had to ask: What broad challenges exist in the world? How can education help empower people to address them? And how can we prepare the next generation to do the same?

It is a truth universally acknowledged—that a university tasked with tackling those challenges needs excellent teachers and researchers to do so. And the best way to attract them is with privately funded endowed chair and professor positions.

MSU's quest to secure 100 new endowed faculty positions—and the ways in which our teaching and research landscape would evolve once we did—was a top priority during the recently concluded Empower Extraordinary cam-

By the campaign's end on December 31, 2018, 112 new endowed faculty positions were funded, the impact of which is shaping a bold new future for what a land grant university can do.

WHY

In recent years, MSU has earned a spot among a group of 53 "international powerhouse universities," identified by Times Higher Education as institutions with exceptional research output, that have the best chance of catching up with or overtaking the world's best universities.

MSU's scale and scope—which goes so far beyond the friendly confines of East Lansing—and determination to pull together leaders from multiple areas of expertise are surely contributing factors.

Of course, an enormous increase in private funding for research—35%, or an additional \$340 million, thanks to gifts made during Empower Extraordinary—factors in, too.

Without standout researchers who are leading the charge in their fields, MSU wouldn't have a research output—let alone one capable of catching up to some of the best in the world. Those teachers and researchers are able to do the great work they're doing because donors choose to invest in MSU by creating endowments that give them limitless possibilities.

And, at the center of it all, is the teaching aspect. Not every student will go on to imitate the distinguished research careers of the faculty who teach their classes, but every student deserves to learn from them. As an institution that has been recognized by Kiplingers, Money and others as being among the top 50 institutions for a high-quality education at an affordable price, MSU understands the importance of putting the very best teachers in front of the more than 45,000 people—from all walks of life and all corners of the state, country and world—who seek an education here each year.

WHERE

By the campaign's end on December 31, 2018, 112 new endowed faculty positions were funded, the impact of which is felt in colleges and units across the campus.

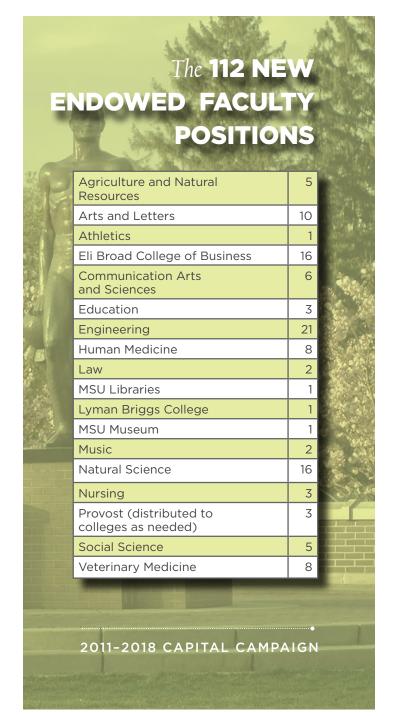
Donors like you created the first named professorship in the College of Nursing, and then created two more in the college. You also established the first endowed positions in MSU Libraries and the MSU Museum, and the university's first endowed coaching position: the Secchia Family Defensive Coordinator for the football program.

Additionally, donors created the largest number of new positions in the College of Engineering (21), the Eli Broad College of Business (16) and the College of Natural Science (16).

Thanks to donors, 10 endowed positions were established in the College of Arts and Letters, while the colleges of Veterinary Medicine and Human Medicine each added eight. Donors added six endowed faculty positions to the college of Communication Arts and Sciences, and five each to the colleges of Agriculture and Natural Resources and of Social Science. Additional areas where donors supported endowed positions include Education (3), Law (2), Music (2), and Lyman Briggs College (1).

Jim and Kathy Cornelius established a \$5 million lead trust to support areas deemed by the president to be of the greatest need. As a result, MSU opted to create three endowed positions to be used at the university level to recruit outstanding faculty who bring great promise through their academic and research endeavors. Christopher Contag, the inaugural James and Kathleen Cornelius Chair in Biomedical Engineering, has often expressed that he left his "dream job" at Stanford to pursue big, world-changing research questions at Michigan State. He's a faculty member to watch (see pages 15-19).

In addition to endowed positions, MSU also strengthened the faculty through the Global Impact Initiative. Launched in 2015, the initiative aimed to hire 100 faculty investigators in promising new areas of research. Research teams from all over campus provided input on the areas they thought could benefit from additional brainpower, and since then, 85 new faculty members have come aboard and gotten right to work.



WHAT

Providing outstanding faculty members with funding to continue their great work is one of institutions on a global scale. the best ways to amplify their achievements. Donor-funded endowed positions provide money for their pursuits in perpetuity, but Michigan State has also created university-level distinctions that come with honorific titles and a yearly stipend.

DONOR-FUNDED POSITIONS

Endowed Chair Positions

Endowed chairs are faculty members with significant experience and accomplishment in their fields, who in their careers have built a network of collaborators and a robust research portfolio. Private funding gives them the resources they need to further their work, publish their findings, travel to conferences and even create opportunities for promising students to gain real-life research experience.

Their work helps MSU remain a competitive force among other universities and research Endowed chair positions are created through donor support and are funded in perpetuity.

Endowed Professor Positions

Endowed professors are leaders in both the classroom and in their respective fields and have a growing body of research. Resources help them fund and further their research, build a network of collaborators, and deliver top-notch classroom and laboratory experiences around the topics in which they specialize. Endowed Professor positions are created through donor support and are funded in perpetuity.

UNIVERSITY-LEVEL HONORS

University Distinguished Professorships

The title of University Distinguished Professor is awarded by the MSU Board of Trustees at the recommendation of the provost

and president, to select faculty members who are nationally and, generally, internationally recognized for the importance of their achievements. Awardees have superior teaching skills that encompass the breadth and depth of their discipline; scholarly, creative and artistic achievements; and a distinguished record of public service. The title of University Distinguished Professor is permanent for the duration of a recipient's service at MSU and includes a yearly stipend for five years to support professional

MSU Foundation

activities.

Professorships

Established in 2014 by the

MSU Foundation, the title of MSU Foundation Professor is awarded to exceptionally accomplished faculty members, current and incoming, who are recommended for the honor by their deans. These talented researchers are leaders in their disciplines, advancing specific areas of scholarly need, disciplinary development, research or creative emphasis at MSU. Awardees retain the title

of MSU Foundation Professor for the duration of their service at MSU and typically receive scholarly support for five years after receiving the award.

John A. Hannah Distinguished **Professorships**

The John A. Hannah Distinguished Professorship was first announced in 1966, in honor of Dr. Hannah's 25th year as president of Michigan State University. Hannah was an ambitious, insightful and caring leader, whose commitment to the true mission of a landgrant university brought MSU into worldwide prominence. John A. Hannah distinguished professors, much like Hannah himself, are educators who, through their research, scholarship, creative activity and teaching, are helping to strengthen their disciplines and reinforce MSU's ability to solve global problems.

Meet these outstanding members of the faculty at msu.edu/honoredfaculty

WHEN: MSU'S JOURNEY TO 112

Empower Extraordinary's seven-year quest (2011-2018) to boost our numbers of endowed positions, honor the very best faculty at the university level and create an environment where students can learn from the best.

Running total

MSU enters silent phase of what will be known as *Empower Extraordinary*. the Campaign for MSU. Of the four main funding goals, one is notably lofty: to secure funding for 100 new endowed chair and professor positions.



The first two endowed positions of the campaign are created: the Demmer Legacy Professorship in the Eli Broad College of Business and the Eyster Professorship in the College of Veterinary Medicine.



Four additional positions are created in 2012, bringing the total for the first two years to 10 new positions.





A \$9 million gift from the Charles Stewart Mott Foundation creates the C.S. Mott Endowed Professorship in Public Health six times over—in the College of Human Medicine, and provides support for the public health program at large.

Running total

MSU establishes the MSU Foundation Professorship, which uses funds generated by the MSU Foundation to provide a five-year stipend to the outstanding faculty who are bestowed with the title each year.

MSU has officially secured funding for 25 endowed faculty positions, onequarter of the announced goal of 100.



The public phase of Empower Extraordinary launches.



HOW

These endowed chairs and professors wouldn't be here without people like you: people whose lives were impacted—directly or indirectly—by something positive that happened at Michigan State. For the Tung family, that something just happened be the life's work of their patriarch, Dr. Wu-Ki Tung.

Dr. Tung retired in 2007 and passed shortly after in 2009. After his passing, his family—wife Beatrice, sons Lei and Bruce, daughter-in-law Cecilia and grandchildren Max and Allie—could think of no better way to honor his legacy than by creating an endowed professorship in his name.

During Tung's 25-year tenure from 1992 to 2007, he always maintained that Michigan State felt like his true spiritual and academic home. He loved his work in particle physics, which was based on a now globally known theory he'd created himself called CTEQ—Coordinated Theoretical Experimental Project on Quantum Chromodynamics. And for as much as he loved his work, he also loved the environment in which he was able to do his work.

"One thing my father believed strongly in, and advocated for ardently throughout his career, was collaboration. He also practiced it in life," Wu-Ki's son Lei recalls.

"He wanted theoreticians and experimentalists in the physics community to

work closely together, side by side, rather than just throwing theories and experimental results over the wall to each other in the form of formal publications.

"Therefore, in the charter for the endowed professorship in his name, it was important for us to write down our desire that—in addition to continued research in particle physics—prominent consideration be given to promotion of 'collaboration and collegiality' in granting the award."

Chien-Peng (C.P.) Yuan was named the inaugural Wu-Ki Tung Professor in 2017. Yuan is a prominent member of CTEQ and worked closely with Wu-Ki Tung for many years. He's another faculty member to watch (see page 17).

LEARN MORE about supporting faculty by contacting Executive Director for Constituency Programs at University Development Suzette Hittner at hittner@msu.edu; (517) 884-7430.





ABOVE: Lei Tung (left) spoke about his father's legacy and his family's gift at the 2017 MSU Investiture. Chien-Peng Yuan (right), a former colleague of Wu-Ki's, is the inaugural Wu-Ki Tung Endowed Professor.

BELOW: Dr. Wu-Ki Tung spent 25 years at Michigan State. He was well-known for his work in particle physics but also for the culture of collaboration and collegiality he created among his colleagues.

FACULTY to WATCH

These faculty stars—all holders of privately funded endowed positions—are changing the future of our world and making critical discoveries on a global scale.

Closer to home, they are thought leaders within the MSU community and are often on the front line when it comes to tackling challenges in areas such as agriculture, education, public health and preservation of our natural resources in communities. And right here on campus, they act as mentors for the next generation by creating dynamic learning environments in the classroom and handson, immersive learning experiences in the lab, in the field and abroad—experiences that help our students find and pursue their own life's work.



WHEN: MSU'S JOURNEY TO 112

Empower Extraordinary's seven-year quest (2011-2018) to boost our numbers of endowed positions, honor the very best faculty at the university level and create an environment where students can learn from the best.

2015 Running total = 44 positions

MSU announces reaching the \$1 billion campaign milestone.



A \$12.6 million estate gift from 1950 Veterinary Medicine alumnus Albert Dehn creates six endowed chair positions in the College of Veterinary Medicine.



With the help of a \$4.7 million gift from Thomas Yunck, which created four positions in computational mathematics science and engineering, the College of Natural Science becomes the first college to fund 10 endowed positions in the campaign.



A gift from McLaren Greater Lansing establishes the very first endowed chair position in the College of Nursing in the area of behavioral mental health nursing education.



2016 Running total

The inaugural universitywide investiture ceremony is held at the MSU Auditorium, honoring 42 endowed chairs and professors, MSU Foundation Professors and Hannah Distinguished Professors appointed to their positions since the launch of the campaign.



FACULTY to WATCH

Here are a few of the new endowed faculty, listed in no particular order, but instead organized under very broad categories that reflect their approach to their discipline.

We are mentors...

Business Transformer

Shawnee Vickery Demmer Legacy Professorship

Vickery, director of the Demmer Center for Business Transformation, is leading efforts for Broad College faculty and students to help companies learn what they can do to improve their ability to compete. She is a William J. Beal Outstanding Faculty Award winner, a two-time Teacher-Scholar award winner and has been



recognized as an outstanding teacher by Business Week. She co-founded the Master of Science in Supply Chain Management program.

Holocaust Truth Teller

Amy Simon

William and Audrey Farber Family Chair in Holocaust Studies and European Jewish History

"The most rewarding part of my job is bringing my research expertise into the classroom—inspiring students to question what they know about behavior in extremis, and better understand hatred and discrimination today."



STEM Advancer

Melanie Cooper

Lappan-Phillips Professor of Mathematics and Science Education

Cooper embodies the philosophies of her professorship's namesakes to a T. Glenda Lappan and Elizabeth Phillips used their research backgrounds to inform a revamp of STEM curriculum to make it more engaging for students, and Cooper is doing the same for chemistry courses at MSU With her help, MSU revamped its introductory chemistry course, CEM 141, to encourage more student interaction and the opportunity for instructors to assess their learning in real time.

Flint Fighter

C. Debra Furr-Holden

C.S. Mott Endowed Professor of Public Health

"I have a commitment to Flint that began early in adolescence. My work in Flint is focused on behavioral health equity and policy-level interventions to promote health equity. My research is embedded with the principles and practices of Community-Based Participatory Research, so I conduct my research with my community and other research partners and not to them or for them.'

Curriculum Champion

Charles Hadlock

Frederick S. Addy Distinguished Chair in Finance

"I think there's some unique differentiators between our finance program and a lot of the competition. We prepare students in many different areas, and we're quite uniquely positioned—since we have a small faculty and a lot of faculty-student interaction—to help students fine-tune their curriculum to their particular career interests. Finance education makes folks much more effective managers, even relatively early in their career."

We put ideas to work...

Peace Pursuer

Yael Aronoff

Michael and Elaine Serling and Friends Chair in Israel Studies

Aronoff is director of the Michael and Elaine Serling Institute for Jewish Studies and Modern Israel and has published and lectured widely on the topic of Israeli politics, culture and society, as well as foreign policy. She is particularly interest-

ed in peace negotiations and the conditions under which wars end, as well as the means and limits of war. She has served as the assistant for regional humanitarian programs in the Pentagon's Office of Humanitarian and Refugee Affairs and as the Jacob K. Javits Fellow on the Senate Foreign Relations Committee.

Legal Changemaker

Cynthia Lee Starnes

The John F. Schaefer Chair in Matrimonial Law Starnes teaches, researches and practices at the intersection of family law, partnership law and feminist theory. A prolific scholar of law, Starnes has worked with grassroots community groups to influence law reform, sparked commentary and conversation with her publications, and has

taught various areas of law to an extremely diverse student body including family law to students abroad and commercial law to judges at the National Judicial College.

Quantum Leaper

Chien-Peng "C.P." Yuan

Wu-Ki Tung Endowed Professorship in Particle Physics

Yuan is a former colleague of internationally renowned MSU physicist, the late Wu-Ki Tung, for whom his endowed professorship is named. Upon Tung's retirement in 2007, Yuan promised

to carry on his legacy of research in elementary particle physics, scientific collaboration and collegiality. Yuan's research in the area of partons has deepened the understanding of Quantum Chromodynamics theory, enabling more precise predictions of parton distributions at high-energy collider facilities throughout the world.

Driverless Car Pulse Taker Edward J. Rothwell

Dennis P. Nyquist Endowed Professorship in Electromagnetics

Rothwell has been a member of MSU's Electromagnetics Research Group for more than 30 years, and his work in antennas, scattering, radar target identification, electromagnetic theory and

electromagnetic measurements is critical to the research and development of connected and autonomous vehicle technology.

Lupus Warrior

James Pestka

Robert and Carol Deibel Family **Endowed Professor**

Pestka, a professor of toxicology and food safety, and his team of researchers were recently awarded a \$2.3 million National Institutes of Health grant to further their research into why DHA, an omega-3 fatty acid, is effective in stopping a known environmental trigger of lupus—a groundbreaking finding that could make a huge difference for tens of millions of people who live with lupus and other autoimmune diseases.



Linda Susan Mansfield

Albert C. Dehn and Lois E. Dehn Endowed Chair in Veterinary Medicine

Mansfield is one of the researchers behind MSU's 2016 discovery that improperly cooked chicken harbors a bacterium that triggers the autoimmune disease Guillain-Barre syndrome, which causes acute neuromuscular paralysis.



Management Bellwether

Gambrel Family Endowed Professorship of Management

Conlon's research has pinpointed the many ways that diversity benefits organizations. As the chairperson of the Department of Management, he is ensuring what faculty learn as researchers

and advisors shapes what is taught in the classroom. The approach has helped MSU business management academic programs achieve rankings that are among the nation's finest.



WHEN: MSU'S JOURNEY TO 112

Empower Extraordinary's seven-year quest (2011-2018) to boost our numbers of endowed positions, honor the very best faculty at the university level and create an environment where students can learn from the best.

Running total





MSU hits its \$1.5 billion goal with 15 months remaining in the Empower Extraordinary campaign. With the dollar goal met, focus zeroes in on meeting other big goals, including the remaining faculty positions needed to hit 100.



The College of Engineering secures its 21st endowed position—a professorship in mechanical engineering—the most of any college during the campaign.

Empower Extraordinary comes to an official close, with \$1.83 billion raised and a total of 112 new endowed faculty positions created.



MSU brings top donors to campus for a campaign celebration and announces that 104 endowed faculty positions have been created, with no sign of slowing down as the campaign winds to a close.



With final numbers in, MSU tallies 29 new endowed positions for the calendar year 2018—the most ever in one year in MSU's history.



FACULTY to WATCH

We are on a path to new discoveries...

Organizational Systems Guru

Brian Pentland

The Main Street Capital Partners Intellectual Capital Endowed Professor

Pentland is director of the Center for
Business and Social Analytics, where he
and his colleagues are currently focused on
organizational routines related to mobility and connected
and autonomous vehicles. He is a William J. Beal Outstanding
Faculty Award winner and a recipient of the Withrow Teacher-Scholar Award.



Wolfgang BanzhafJohn R. Koza Endowed Chair
in Genetic Programming

Banzhaf literally wrote the book(s) on how to approach genetic programming, and, together with his colleagues in the BEACON Center for the Study of Evolution in Action, he is helping make Michigan State one of the best places for evolutionary computation research in the United States.



James K. Billman Jr., M.D. Endowed Professor

Stem cells hold the key to treating and studying all kinds of human diseases and conditions. This associate professor of biochemistry and molecular biology and her team are using stem cell approaches, mouse genetic approaches, genome-wide approaches, single-cell approaches and proteomic approaches to learn how molecules instruct cell behavior so that, as a result, they can see how mutations and environmental insults cause human diseases, and how to create and use stem cells to address them.



Access Champion

Jennifer Johnson

C.S. Mott Endowed

Professor of Public Health

"My personal research efforts in Flint will help to improve access to and funding for high-quality mental health and substance use treatment services for vulnerable

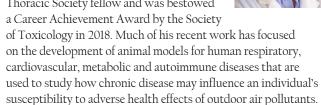
citizens here, in the state and nationally. I especially work with those who face stigma and who are often judged by society to be undeserving to receive the mental health and substance use services and necessities that they need to function and to recover."

Air Pollution Foe

Jack Harkema

Albert C. Dehn and Lois E. Dehn Endowed Chair in Veterinary Medicine

Harkema is one of just three veterinarians in the nation to be named an American Thoracic Society fellow and was bestowed a Career Achievement Award by the Society



Virus Disassembler

Kristin Parent

J.K. Billman Jr., M.D. Endowed Research Professor

In the Department of Biochemistry and Molecular Biology, the Parent lab is laying the groundwork for MSU to become a leader in cryo-electron microscopy and three-dimen-

sional image reconstruction methods—technology that allows her team to examine and understand the underlying mechanisms that control virus infection and decipher the processes of virus assembly.

Planetary Dynamo

Allen McNamara

Endowed Professor of Geological Sciences

McNamara is an international expert in numerical modeling of deep earth processes, whose research focuses on understanding the structure, dynamics and evolution of Earth's interior. Fluid dynamical models used by McNamara's team are also being utilized to in

McNamara's team are also being utilized to investigate the dynamics of other planetary bodies, including one of Jupiter's moons, Europa.



Songgiao Wei

Endowed Professor of Geological Sciences

Wei is a seismologist with broad interests in Earth's mantle structures, particularly those associated with subduction zones.

His recent work focuses on imaging seismic structures of the Tonga-Lau subduction system, intermediate-depth seismicity in Tonga and the mantle transition zone. "Being an endowed professor as an early career scientist is a great honor," Wei says. "I believe that MSU will soon become a hub of solid earth geophysics in the Midwest, and I feel

fortunate to be involved in this exciting development."

Sustainable Technology Generator

John Dorgan

David L. and Denise M. Lamp Endowed Chair in Chemical Engineering

A nationally recognized leader and expert in polymeric materials and the development of composite materials for manufacturing, Dorgan's lab is working to streamline the time it takes to build wind turbine blades and develop new resin systems that make wind turbines easier to recycle.

Environmental Philosopher

Kyle Powys Whyte

Timnick Chair in the Humanities

"The work that I do stems from who I am, both as an enrolled member of the Citizen Potawatomi Nation but also as a resident of the state of Michigan. My work is to create dialogue so that communities and tribal

nations can connect to scientists from Michigan State to work together in order to be prepared to address environmental issues, especially with respect to climate change."

Health Architect

Christopher Contag

James and Kathleen Cornelius Chair

"If we're treating disease, then we're always behind the eight ball. We're stuck behind the disease already being there. But what if we could detect it early? What if we could detect a cancer when it was at a 100-cell stage?

That's not disease; that's health. If we can maintain health, then we can better treat diseases and prevent them."

VISIT MSU's official Honored Faculty website, where you can search and sort by name, college or position to learn more about our best and brightest faculty members: **msu.edu/honoredfaculty**



42 distinguished faculty members walk into a room...

The inaugural MSU investiture ceremony emerged from one simple concept: the need to recognize accomplishments of newly appointed endowed and honored faculty members at a university level.

A donor would speak about the experience of making a gift to create an endowed professorship. An endowed professor would speak about how the promise of support lured her to Michigan State to pursue her life's work. And 42 faculty members would cross the stage in academic regalia to receive medals before an audience of fellow faculty, deans, university administrators and staff, and donors.

As an annual event, the investiture would help Michigan State keep a steady dialogue going about the importance of private support for faculty positions, especially during the *Empower Extraordinary* campaign.

All of those things did actually happen on October 28, 2016. But behind the scenes, the investiture took on another, unexpected purpose: It became an opportunity for faculty members from across campus to meet one another face-to-face, forge friendships and learn more about what's happening in classrooms and labs outside of their current work.

With Empower Extraordinary behind us, the Investiture will continue to serve as a yearly reminder of our ongoing need to secure funding for research and education in critical areas—and a yearly celebration of what can happen when we do.

The 2019 MSU Investiture will take place on September 26 at the Pasant Theatre inside the Wharton Center for Performing Arts. Watch your mail and email for more information.

ENDOWED ENGINEERING FELLOWSHIP AND SCHOLARSHIP FUNDS CREATED

\$1.001 million gift from Satish and Lalita Udpa

gift valued at \$1,001,000 from Acting President Satish Udpa and his wife, Lalita Udpa, a professor of electrical and computer engineering, will benefit College of Engineering students.

The gift, which the couple made before Satish Udpa's appointment as acting president, will create the Satish and Lalita Udpa Endowed Graduate Fellowship and Satish and Lalita Udpa Endowed Scholarship.

MSU Acting President Satish Udpa and his wife Lalita Udpa, a professo electrical and compute engineering.

Several years ago the Udpas created endowments to honor their parents—Vasanthi and S. Ramamohan Udpa, and Janaki and S.V. Srinivasan.

"They were our first teachers and mentors and the first to introduce the notion that knowledge is valuable for its own sake," Satish Udpa says. "Throughout the years, their belief in lifelong education never flagged."

Lalita Udpa notes that "their selfless commitment to education and their insistence on doing one's duty greatly influenced the character of their children and grandchildren."

Engineering Dean Leo Kempel said the college is "extremely grateful for the contributions by both Satish and Lalita to the college—their leadership and service, conscientious education of our students and for their financial support. Dedicated faculty such as Lalita and Satish are part of the core fabric of the college, part of what makes Spartan engineers exceptional," Kempel adds.

Both Udpas work in the area of Nondestructive Evaluation (NDE).

Satish Udpa most recently served as executive vice president for administration. He is a University Distinguished Professor of Electrical and Computer Engineering, and the former dean of the College of Engineering and chair of the Department of Electrical and Computer Engineering.

He has published extensively, is a fellow of four academic societies, holds several patents and serves as editor of several journals.

Lalita Udpa is a University Distinguished Professor in the Department of Electrical and Computer Engineering. She was one of only nine women in the country featured in a 2018 story on "Women in NDT" in Materials Evaluation, the scientific journal of the American Society for Nondestructive Testing. Her MSU awards include the William J. Beal Outstanding Faculty Award and the Ralph H. Smuckler Award for Advancing International Studies and Programs.

GIVING TO MSU

The Udpas worked with Stephen Bates, senior director of development for the College of Engineering, to make

"As we were finalizing the documents, Satish kept quoting a number that was a bit higher than what we had agreed," Bates says. "I didn't want to seem ungrateful, and I didn't want to question his mathematical skills, but I need to get this right. I asked him about the discrepancy, and he informed me of an Indian tradition to always give more than you were asked for, thus the extra \$1,000 in the gift."

To create the gift, the Udpas signed a retained life estate agreement and a bequest during MSU's Empower Extraordinary campaign that closed in December 2018 and raised \$1.83 billion.

The arrangement transfers ownership of their home to MSU but allows them to continue living in the home through their lifetimes, while remaining responsible for upkeep and expenses. MSU then sells the property and invests in the endowed accounts as a provision of the

"This is just one of the many creative ways that donors support MSU," says MSU Office of Gift Planning Senior Director Deanna Gast. "That the Udpas found this way to pass on their values and make an investment in future students will have a lasting effect on generations to come."

LEARN MORE about making a gift to the College of Engineering by contacting Senior Director of Development Stephen Bates at batesst@msu.edu; (517) 355-8339.



Now you know

at amasters@msu.edu; (517) 884-4691.

LEARN MORE about support for the 4-H Children's Garden by

contacting Assistant Director of Development Amanda Masters

Your voice is critical for recruiting and retaining outstanding students and building our network of Spartans everywhere. All alumni, donors and friends can point with pride to the many strengths of our university.

MSU Earns Gold Rating for Sustainability Achievements

MSU has received a Gold Rating for sustainability achievements from the Association for the Advancement of Sustainability in Higher Education. Participants report achievements in five overall areas: academics; engagement; operations; planning and administration; and innovation and leadership.

MSU's International Center Earns Presidential Award

MSU's International Business Center was awarded the President's "E" Award for Export Service. It's the highest recognition any national entity can receive for making a significant contribution to the expansion of U.S. exports.

MSU Graduate Programs Earn Top National Rankings

The College of Education earned the No. 1 title for five of its programs in U.S. News & World Report's 2020 edition of America's Best Graduate Schools. For the 25th consecutive year, the college earned the elite top spot for elementary and secondary education. Rehabilitation counseling, scored once every four years, maintained its spot at No. 1, joined at the top by curriculum and instruction for the first time in its history.

Upcoming Events

Watch your mail and email for more information on upcoming events. Unless otherwise noted, all events take place in East Lansing.

For more details, call (517) 884-1000 or visit givingto.msu.edu/events.



MSU Investiture of Newly Appointed Endowed Faculty September 26, 2019

Edward J. Minskoff Pavilion Ribbon Cutting Ceremony September 27, 2019

Green and White Brunch September 28, 2019

MSU Homecoming September 28, 2019

Alumni Grand Awards Luncheon and Gala October 25, 2019

President's Brunch October 26, 2019

Winter University

February 22, 2020 Naples, Florida

Winter University February 23, 2020 Fort Lauderdale, Florida

Billman Pavilion Ribbon Cutting Ceremony April 17, 2020

Welcoming events to meet new MSU President Samuel L. Stanley are being planned in cities across the U.S. Watch your mail and email for more information.



Developments

University Advancement University Development Spartan Way 535 Chestnut Road, Room 300 East Lansing, MI 48824



PERFECT HARMONY

College of Music's Billman Pavilion is well underway!

The size and scale of the College of Music's Billman Pavilion—now a full eight months into construction—is undeniable. With more than 8,000 tons of poured concrete already towering over West Circle Drive, it is clear some outstanding spaces and vistas are being created for making music. Mark April 17, 2020, on your calendar for a grand opening event.