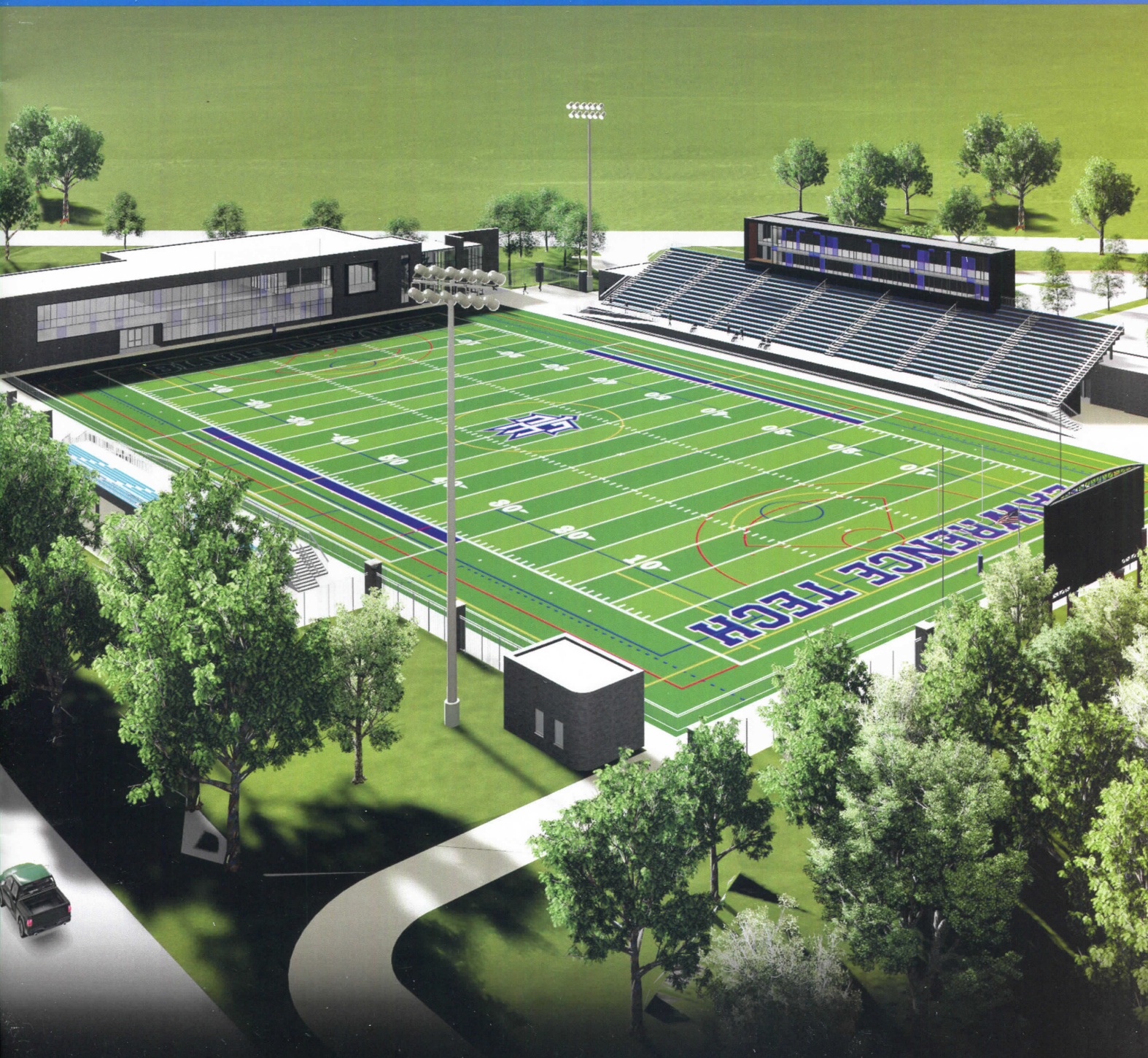


Lawrence Tech[®]

LAWRENCE TECHNOLOGICAL UNIVERSITY MAGAZINE | Summer/Fall 2017



**Field of dreams: The vision for the LTU athletics complex,
and how you can be a part of it**

Meet LTU's athletic coaches | President Moudgil visits India, China
Breaking ground for a fourth residence hall | New DECA team shines | Alumni news | And more!

Lawrence Tech®

LAWRENCE TECHNOLOGICAL UNIVERSITY MAGAZINE

FROM THE PRESIDENT

With the start of fall semester, we mark the 85th anniversary of the founding of Lawrence Technological University. On September 6, 1932, Lawrence Institute of Technology opened with the first class of several hundred students.

It is hard to imagine a less promising time to launch a new enterprise. During what historians generally agree were the bleakest months of the worst economic year of the Great Depression, LTU founder Russell Lawrence, supported by close members of his family and a band of stalwart faculty, bravely faced the future.

Michigan's unemployment rate was pushing 50 percent. Nearly 250 banks here closed, wiping out the life savings of thousands of depositors. Our state's once booming automotive industries produced less than a quarter of the output they'd achieved in 1929.

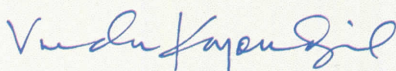
It just goes to show the power of a good idea.

Russell's rare formula that included evening classes for working students and a hands-on, real-world education that included both theory and practice soon captured the imagination of hundreds, and then thousands more. Key among these were Henry Ford and his son, Edsel, who offered the school a favorable lease on a suitable building at the edge of their manufacturing complex in Highland Park, famous as the birthplace of the modern assembly line and former home of the Model-T. A huge variety of components were still being made there, a wonderful incubator for illustrating the world of work and creative problem-solving.

In the 85 years since, nearly 40,000 men and women have graduated from Lawrence Tech. Tens of thousands more have come for individual classes. We're proud that so many have achieved so much success in their professions and communities. Over the years, alumni-led companies and organizations have provided a livelihood for millions of people both in this country and abroad.

This issue of the magazine introduces some exciting new plans for expanding LTU's facilities for athletics and adding more campus housing. It also showcases a number of exciting achievements by alumni, faculty, and students.

Thank you for your continued involvement and support,



Virinder K. Moudgil
President and CEO



Virinder K. Moudgil

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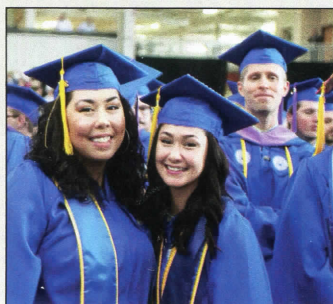
On the cover: This rendering, from the Ann Arbor-based architectural and design firm The Collaborative Inc., shows a completed LTU athletics complex. The current vision calls for seating for 3,000 fans on the home side, with 1,000 more seats on the visitor side, lighting for nighttime events, rest rooms, concession stands, a spirit shop selling team apparel, a press box, and a two-story building in the south-east end zone housing team rooms, coaches' offices, trainers' spaces, and a weight room. The athletics complex will be used by LTU football, men's and women's lacrosse, and men's and women's soccer teams, as well as by the Southfield community for various athletic contests and community events.

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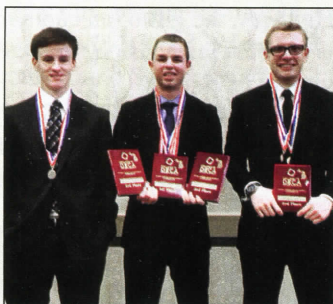
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For the latest about Lawrence Tech, visit www.ltu.edu/news

Back Cover Blue Devil teams take first and third in a global competition for autonomous vehicles.

Ambitious plans for athletic facilities will enhance



The exterior of the east end zone building, which will house team rooms, a weight room, trainers' facilities, and coaches' offices.

Field of dreams

Picture a crowd in the bleachers on a crisp, clear day. Laid out in front of them is Lawrence Technological University's sparkling green turf field, framed by the skyscrapers of the Southfield City Centre and the riotous colors of the foliage.

In the air are the scents of hot chocolate and the grills that prepared the pre-game cookout on Alumni Plaza. Students in face paint cheer, while the pep band plays energizing numbers. Then the fans rise as one as the Blue Devils tear through a banner and take the field.

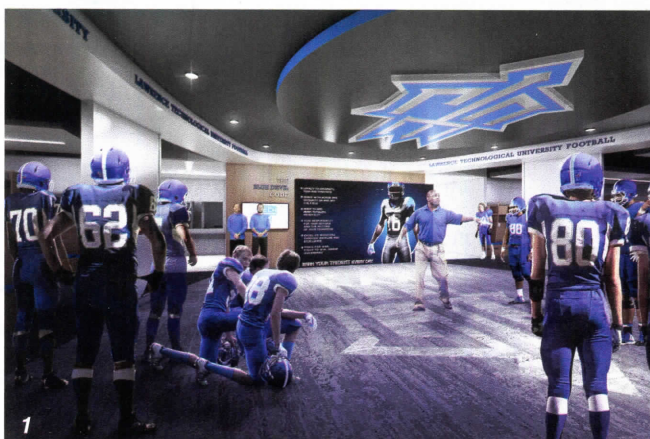
This classic experience of collegiate athletics will soon be realized at Lawrence Tech. Fans of many sports – women's and men's soccer, women's and men's lacrosse, or football – students, alumni, parents, and friends are all invited to lend their voices, their bullhorns, their noisemakers, and their overall spirit to support today's and tomorrow's Blue Devil athletes.

Last fall, Lawrence Tech celebrated the completion of an artificial turf field at the corner of Ten Mile and Northwestern Highway, the gift of an anonymous donor. Now the University is announcing a vision for the complex that will surround that vibrant field.

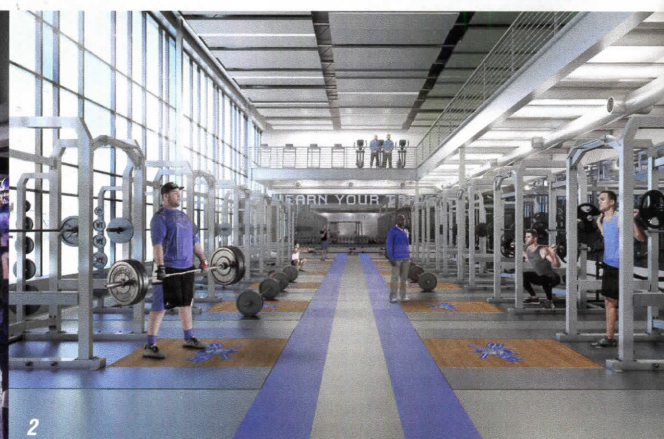
"I look forward to welcoming alumni and other sports fans to campus," said Virinder K. Moudgil, LTU president. "This new facility will aid considerably LTU's ability to attract

1 Players will get "coached up" in great facilities for all outdoor sports at the future LTU athletics complex.

2 Players of all sports at LTU will have better facilities to build their strength.



1



2

campus life and strengthen the University's quest to recruit great students

A view of the complex looking southeast.

the best students, and will be enormously beneficial in growing our community outreach and building pride and spirit among our students and alumni.”

The vision for a comprehensive sports complex includes stadium-style seating for 4,000 fans with a two-story luxury press box, leading-edge sports field lighting, distinctive locker and team meeting facilities, fan-friendly concessions, and a spirit store to ensure that all fans have LTU blue attire and accoutrements.

The final phase of the vision will be a 30,000-square-foot building that will include a number of coaches' offices, a film room, team rooms, fan gathering spaces, and an innovative weight room that enables athletes to see the field they aspire to win on and gives spectators a greater appreciation for the rigorous dedication of the athletes. The complex is intended to be designed with immersive branding to create a unique LTU Blue Devil experience for fans and student-athletes alike.

The impact of the new complex will reach far beyond the Lawrence Tech campus. Every summer, athletic skills camps – free to Detroit and Southfield public school students – and other activities for pre-college students will be offered at the complex. Two local high schools will use the facility as their home football field as well. More than 100 events will be held annually at the complex. Thousands of fans from around Southeast Michigan and beyond are expected to be in attendance every year.

As the Detroit region continues to enhance athletic venues and teams in the professional arena, minor leagues and club sports,



IMAGE COURTESY ROSSETTI

Lawrence Tech's vision will expand the experiences available to fans of all types.

There are numerous opportunities available to support this vision, from sponsoring lockers and paving stones, to naming large spaces like the press box and weight room, to branding the stadium or the entire complex. This is a unique opportunity for alumni, corporations, and members of the extended Lawrence Tech community to be in on the ground floor and associate themselves in perpetuity with a facility in the heart of Southfield – well described as “the center of it all.”

The cost of the complex will be fully paid through philanthropy, giving Lawrence Tech supporters the opportunity to truly make a difference in the lives not only of students, but also of parents, alumni, local businesses, corporate partners, the City of Southfield, and sports fans throughout Southeast Michigan.

If you or your business is interested in this ground floor opportunity, contact Kristen DeVries, vice president of university advancement, at kdevries@ltu.edu or 248.204.2305. □



3 Coaches diagram a play in the locker room.

4 A short running track will be a feature of the complex's two-story weight room.

IMAGES COURTESY ROSSETTI

COACHES' CORNER



LTU's varsity team leaders see sports from a Blue Devil perspective

Let's get this straight up front: Every student-athlete at Lawrence Technological University is going pro.

You bet. They'll be among the finest business leaders, engineers, scientists, architects, and designers of the 21st century. How many of them will make it as pros shooting balls into nets, hitting them over a fence, or lugging them across a goal line? Well, that's anyone's guess.

Lawrence Tech's decision to restore a full slate of intercollegiate athletics, starting with the 2011-12 school year, has not only added a new, more traditionally collegiate vibe to the Southfield campus – it's given hundreds of talented scholars a chance to get a great college education while continuing to play the sports they love, when they thought perhaps they'd have to hang it up after high school.

A rare school with a rare mission by definition will have a rare take on athletics. And that extends to LTU's coaching staff. Let's meet them.

Stan Eldridge, *baseball*

Lawrence Tech snagged a veteran college coach and architect of one of the nation's most successful youth baseball programs when it hired Stan Eldridge as its first baseball coach.

Eldridge was one of the founders of the A. Green Summer Baseball Program in Ann Arbor, which has produced more than 400 college scholarship players and 60 Major League Baseball (MLB) draftees since its founding in 1996.

A knee injury ended Eldridge's dream of playing professional baseball himself, but he says "everything worked out for the best – I had a wonderful career in law enforcement and coaching has meant more to me than I ever thought it would. You have a chance to affect the lives of young men not just while you're coaching them, but their entire lives."

Many of Eldridge's youth baseball coaches were police officers, and they encouraged him to pursue a law enforcement career. He earned an associate's degree in criminal justice at Washtenaw Community College and worked for more than 20 years on the police forces of the University of Michigan and

the city of Ypsilanti – like his police mentors, coaching youth baseball the entire time. He also worked as a scout for several MLB teams.

He began his college coaching career in 1999 and worked as an assistant for Madonna University, Concordia University (where he finished his bachelor's degree), and Spring Arbor University (which strung together a 36-game win streak en route to a No. 2 NAIA national finish in 2007). He was an assistant at Siena Heights University in Adrian when the Lawrence Tech job opened up, and he accepted the position in January 2015.

LTU finished its inaugural baseball season 13-34, with a team comprised mostly of freshmen. "Nobody thought we'd win double digits, but of course as a coach and a player you always want to win more," he said. "We had a lot of losses where we were competitive but just melted down at one moment. We should be much stronger with more experience next year."

Like most of LTU's coaches, Eldridge says the University's academic strength sells itself, but cost, and the lack of an on-campus baseball field, are challenges. The team now plays home games at Jimmy John's Field in Utica while plans move ahead for an on-campus baseball facility.

At Lawrence Tech, Eldridge said, the role of athletics "is to enhance the overall collegiate experience, not only for the student-athlete, but for all students. The discipline and camaraderie and teamwork that athletes share on the field will translate to their careers as they move on to the next phase of their lives. We want to win, but we have to remember that there is a much larger calling."

Kylene Spiegel, *women's basketball*

When you talk about women's basketball at Lawrence Tech, head coach Kylene Spiegel is impressed with her athletes' work on the field.

But she's even more impressed with their work in the classroom.

"We've been able to achieve more than a 3.3 GPA each semester as a team, so I think professors see the athletes' time management skills come into play, and really appreciate having student athletes in their classroom, from an academic and leadership standpoint."

The Morenci, Mich., native got her undergraduate business degree and MBA at Ohio's Tiffin University, where she played basketball and later coached for six years, before spending two years as an assistant at Kent State University. Last year was her first at LTU, where the squad posted a record of 18-13.

Spiegel said a highlight for next year's team will be an early season trip to Florida for two games, "right after finals" in December.





She recruits at local AAU basketball events, attending one in Grand Rapids, and another in Toledo. "July is really the craziest month," she said. "I'm going to a tournament in Indianapolis where there will be 200 teams just in the junior-senior division."

She said she's always careful to stress academics in her recruiting pitch.

"At a school like Lawrence Tech, you look at GPA, test scores, and what they want to major in," Spiegel said. "I don't want to waste anyone's time, theirs or mine, if they tell me they want to major in education. But if they say business, engineering, architecture, or science, then we're in the wheelhouse."

LTU will open the 2017-18 campaign Oct. 28 and 29 with the LTU Classic, a four-team tournament with the University of Michigan-Dearborn, Point Park University of Pennsylvania, and the University of St. Francis in Indiana. Spiegel also has scheduled an 11 a.m. game on Tuesday, Nov. 7, against NCAA Division II Lake Superior State University, which will be a "Kids' Day," with area elementary school students invited as part of a field trip.

Spiegel is excited about the University's decision to add college football beginning in the fall of 2018.

"I think it's the perfect time to come here," she said. "The kids are excited, and everyone wants the atmosphere that comes with having college football."

Joshua Pickens, *men's basketball*

Joshua Pickens says he wanted the Lawrence Tech men's basketball coaching job for one major reason: "When I came in for the interview, I found out they really have a growth mindset here."

The decision to reinstate athletics, including adding a football team by 2018, the quick success of many LTU teams, and the drive for expanded and improved athletic facilities "really excited me."

The biggest misconception about LTU that Pickens said he faces in recruitment is "that we're just a technical school. Yes, we have engineering and

architecture, but we also have really good arts and sciences and business management programs. I also have to remind people that while you have to be a good student to be successful here, you don't have to be a 4.0 student."

Pickens grew up in Rockford, Ill., and played college ball at Ashford University. He coached at Ashford for five years and then spent two years as an assistant at Midland University in Nebraska before getting the LTU job.

"In seven years of coaching, the teams I've been with have been to the NAIA postseason four times," Pickens said. "That's the kind of success I want here at Lawrence Tech."

Pickens said athletics at a school like LTU "can be an enroll-

ment driver, create excitement, and enhance the student experience. LTU is a place where students can continue their athletic careers as kind of a secondary option to the academics. But as we have more success, we will attract better athletes, but without sacrificing education – people will say, 'I can play in a quality program here and get a great education.'"

Eric Green, *men's cross country*

Eric Green caught the running bug at Pontiac Northern High School, and later ran as a scholarship athlete at Oakland Community College (OCC) and Northwest Missouri State University. Later, he taught and coached in Arizona before returning to Michigan, where he coached at Rochester College and OCC. He joined the LTU staff in 2012 and initially coached both the men's and women's teams.

"Everybody and their brother want to come to Lawrence Tech now," Green said the resumption of athletics at LTU has made a big difference in drawing more young students to the school, and "gives the rest of our students a chance to have fun and do something besides study."

Green will have 16 athletes on his team this fall, "probably the best team we've ever had. We have a good chance of winning the conference and placing high enough to qualify as a team for our national meet this year."



Tony Baracco, *women's cross country*

Tony Baracco has been a running coach for 19 years after a successful career as a runner for Mt. Hood Community College in Oregon and the University of New Mexico. Now, Baracco is leading LTU's women's cross country program after a stint coaching the sport at Oakland Community College. Baracco said highlights of his first season as LTU women's cross country coach include school record runs by junior Marissa Bradley at both the 5,000-meter and 6,000-meter distances. Bradley also was the top finisher in school history at the Wolverine-Hoosier Athletic Conference meet.

"We're plugging along, but we can get better as a team," Baracco said. "We've got a couple of people coming in, and I'm looking forward to our top people improving. They're all training and getting after it, and if our returners come back and build a foundation we'll be much better."

Baracco also said there are great opportunities for athletic scholarships in women's cross country. And he said he believes sports "improves academic performance... athletics produce better students."





Jeff Duvendeck, *football*

Jeff Duvendeck has wanted to coach football since his playing days at Central Michigan University.

He just never thought he could make a living at it. So he planned a career in the medical field and figured he'd coach as a volunteer.

But in his last semester, he said, "I realized I was basing everything around my love of coaching and my 'like' of medicine.

So I talked to my coach, Mike DeBord, and he gave me some advice: 'Don't do it. It's not a lucrative profession, it's a lot of hours and being away from your family.' But he said that if I really wanted to, he would help. So he wrote some letters for me that got me my first coaching job."

Like a lot of college assistant coaches, Duvendeck's career has been nomadic – eight jobs in 17 years. And he even had to take a pay cut to go from

assistant coach in Division II football to a graduate assistant at Michigan State University. But he said MSU's higher profile got him his first head coaching job, at Culver-Stockton College in Missouri. And a few years later, Lawrence Tech's decision to reactivate a football program after a 70-year hiatus turned out to be a perfect combination with his desire to move his family back to his native Michigan.

Since being named LTU's head coach in January, Duvendeck has been on the recruiting trail, beginning the building of a program that will play its first games as an independent in fall 2018, and join the NAIA's Mid-States Football Association in fall 2019.

"When I came in for my interview, I told the committee that I thought we could sign 40 kids this year," Duvendeck said. "They looked at me like I was a little crazy, but we hit 42 yesterday, and I think we've got a few more guys who will wind up here."

All those incoming freshman players will be redshirted this fall and will join a second recruiting class for the first game in September 2018, and a third class for the first varsity game in September 2019.

Duvendeck said he couldn't be happier to be at LTU: "The support here has been great, the people have been very open and very professional. I think the people on the planning committee for football did a great job of research, laying out budgets and timelines."

LTU's academics have been a draw for recruiting, Duvendeck said. "The benefit of being at Lawrence Tech is that our education is extremely well respected, and people want to be a part of that. They want to get a great degree while still having a chance to play college football. It's given us the ability to recruit the

higher academic achievers – beating out some schools that may be viewed as more powerful athletic schools. The value of our education has been the final tipping point."

Duvendeck will also be involved, with the rest of LTU's coaches, in fundraising for improved facilities at the University's athletic field, called The Point by generations of students.

Josh Heiple, *men's and women's golf*

Josh Heiple grew up golfing, and even though he's one of the few LTU coaches with a day job – real estate manager for Battle Creek's Kellogg Co. – he's still a natural for the LTU golf job.

Both LTU's men's and women's teams play rigorous schedules that stretch from the first day of school in August to the end of the school year, with time out for final exams. The players learn tough time management skills traveling to invitationals and tournaments in the southern states when it's too cold to play in Michigan.

Heiple grew up in Sturgis in southwest Michigan and played college golf at the University of Northern Iowa. He left school to turn pro and played on various pro tours for 10 years before returning to Michigan to complete his degree, in business communications, at Western Michigan University and to set up a golf academy in Kalamazoo. He then coached at Glen Oaks Community College in Centreville, Mich., and Ashford University in Iowa, before taking the LTU post.

"We're doing well," Heiple said of the LTU program. "The women's program has pretty much been in the top 25 poll non-stop out of 140 NAIA teams since we were in existence, and the men are hovering right around 40 out of 170."

Most of Heiple's women's team and several members of the men's team are international students, which presents unique challenges in recruiting but like other coaches, Heiple noted, "It's a great school, so we sell them on the academics more than anything."

And while the purpose of NAIA athletics is to enrich the student experience, Heiple also notes with a chuckle that "once they get here, they want to win championships. They don't look at it as an extracurricular – it's their life. They want to win."

Ken Gaffney, *hockey*

Big changes are afoot for the Blue Devil hockey program, the veteran of Lawrence Tech's athletic programs (the team has been operating continuously since 1992).

LTU has been competing in the American College Hockey Association (ACHA), a nonprofit that governs club and non-varsity hockey in the United States. For the 2017–18 season, though, what had been the Blue team will begin competing in the NAIA Conference of the ACHA, while what had been the





White team will continue to compete in the ACHA's Division III.

Ken Gaffney is entering his ninth season as head coach, and said college hockey – and sports in general – at LTU “provides another opportunity for student engagement. It just adds to the overall college experience.”

Gaffney said he recruits a mixture of high school graduates and veterans of major junior hockey teams –where players can be as old as 20 – to the LTU program. “We tell them, it’s a private university with the associated cost, and it’s a rigorous academic program. We use that as a selling point. Yes, it’s rigorous, but that’s going to get you a great career and a higher salary.”

Last year’s Blue team finished 20–7, and lost to eventual ACHA Division III national champion Aquinas College 1–0 in the regional tournament final.

Moving to the NAIA for the upper-level team means Gaffney will for the first time be able to offer athletic scholarships (which the ACHA prohibits).

This fall, Gaffney will bring in about 25 first-year players, and 30 to 40 percent of them will be placed on the NAIA team, while the rest will compete on the ACHA Division III White team.

Home games are played at the Southfield Civic Arena, only half a mile from LTU’s campus.

Mary Ann Meltzer, *women’s lacrosse*

It’s an exciting time to be a Blue Devil, according to Mary Ann Meltzer.



“LTU has evolved a lot over the past five years,” she said. “I think it’s a great time to come here – we’re growing, we’re adding football. And the academic part sells itself.”

Meltzer grew up playing lacrosse with her three older brothers in Ohio. Her oldest brother wound up playing at Ohio State. She played at the University of Maryland, where she became a two-time All-American.

Coaching stints followed, at Birmingham Seaholm High School, the club team at the University of Michigan – Ann Arbor, and Olivet College. She joined LTU in the 2015–16 school year.

Meltzer recruits at summer lacrosse club programs. Only about 100 Michigan high schools play women’s lacrosse, so contacts with club programs are crucial. She said word is still getting out that LTU has added a lacrosse program, not to mention other sports, residence halls, and a full undergraduate campus life.

Meltzer said she loves working with the 18 women on her team: “It’s that connection with them on a daily basis – I’m learning from them, they’re learning from me. The main reason I coach is that you hope you make a difference in their lives at some point, that they’ll learn positive things here.”

She said LTU athletes have a strong work ethic and high expectations for themselves. “For a lot of kids on this team, it’s not just about the lacrosse, it’s about the academics. They chose the school based on academics, and they get a chance to continue to play the sport they love.”

The team was wildly successful on the field in 2017, too. Meltzer was named NAIA Coach of the Year, five Blue Devils were NAIA All-Americans, and senior Kadajah Kahlo was Scholar-Athlete of the Year. The team finished No. 2 in the country in the NAIA Invitational, falling to No. 1-ranked Savannah College of Art and Design 16–10 in the championship game.

Paul Nemzek, *assistant coach, men’s lacrosse*

Paul Nemzek joined the LTU coaching staff in summer 2016 after 20 years of coaching at the high school level. His own background included playing high school lacrosse in the 1990s at Detroit Catholic Central, though he opted to play football instead of lacrosse at the collegiate NCAA Division II level.

Nemzek has filled in frequently for LTU head lacrosse coach Kevin Riley, whose courageous nine-year battle against cancer continues.

“The kids played their hearts out for him this year. He’s a true inspiration to all of us,” Nemzek said of Riley. “Whenever you’re having a bad day, just think of what Coach Riley has been through, and it doesn’t seem so bad.”

The 2016–17 team posted their best season ever, a 10–4 record and co-championship of the Wolverine-Hoosier Athletic Conference. The team was invited to its first-ever NAIA national championship tournament, where it lost a close 14–13 match to the eventual national champion, Reinhardt University of Waleska, Ga.

The Blue Devils started the season with 17 players, “on the low side of where you’d like to be,” Nemzek said – and then injuries pushed the roster down to 14 or 15 active players for most of the season. “You have 10 on the field, so not a lot of subs, but our players made the commitment to be in top condition,” Nemzek said.

Nemzek said recruiting for the coming season is “going well so far. We’re offering kids a great opportunity to get an incredible education ... and we compete for conference and national championships, and have a track record of producing players who get post-season honors.”



Will Dyer, *men's soccer*

Will Dyer has built the Blue Devil soccer team from its beginnings, serving as club team coach for two years before taking the varsity team in 2011, when LTU returned to formal interscholastic athletics.

Born hard of hearing, Dyer played youth soccer in the Deaf World Cup and Deaf Olympics, and played NCAA Division I soccer at Ohio State University.

A horrific injury – Dyer got kicked in the head on a slide tackle, fracturing his skull and costing him part of his sight in one eye – ended his collegiate

career. After college, Dyer coached club soccer in Columbus and for Detroit Country Day before joining the Blue Devils.

Dyer is proud of the Blue Devils' gradual improvement on the field. The team won three games in its first season in 2011 and just two games a year in 2012 and 2013. But then things started turning around, with the team winning six games in 2014, nine games in 2015, and going 10-6-2 in 2016, the team's first winning season. LTU also has qualified for the Wolverine-Hoosier Athletic Conference playoffs the past two years.

Dyer echoed other coaches in saying the University's academic offerings provide a unique opportunity for gifted students to continue their athletic careers.

"LTU's academics are a main drawing point for us, especially architecture and engineering and business," Dyer said. "Arts and sciences play an important role as well. In fact, a big challenge is getting people to realize we're not only a tech school – we have pre-law, pre-dental, we've adding nursing – and that since we're in the NAIA, we can offer athletic scholarships."

The Blue Devils also enjoy a close relationship with Detroit's semi-pro soccer team, the Detroit City Football Club. "Le Rouge," as they are known, practices at LTU's athletic field, and uses LTU housing at the Arbor Lofts apartments on Civic Center Drive for its players during its summer season. "LTU has been a sponsor of DCFC since its founding," Dyer said. "It's a great relationship – it gives visibility to our program to area high school players, club soccer players, and the DCFC fan base."

Dyer will welcome 53 players this fall, who will be separated onto varsity and reserve teams. Both teams will play complete schedules and train together. Occasionally, Dyer noted, players advance from the reserves to the varsity – giving as examples Derrick Butcher, who just graduated, and incoming sophomores Jacob Sooy and Austin Rassey.

Andy Richards, *women's soccer*

Lawrence Tech landed an experienced, successful college coach in Andy Richards to start the 2016-17 season, and the effect was immediate. The team's record improved to 11-7, its first

winning record, and LTU participated in the Wolverine-Hoosier Athletic Conference tournament for the first time.

"A lot of firsts, a lot of fun," was how Richards described it. But he was also quick to give credit to his players.

"I found the team to be very hardworking and very receptive to coaching," Richards said. "I think they pulled together and turned the corner very quickly, based on their effort and their attitude. There are individuals in the program who could play at any level – good, talented soccer players who decided their education was most important to them and Lawrence Tech has the best that can be offered."

Richards is a native of Peterborough, England, and earned his bachelor's degree in education in his native country. He came to the United States in 1995 to go to graduate school at Oregon State University, where he was also a graduate assistant soccer coach. Later, he was head coach at Bowling Green State University and for the Michigan Jaguars youth soccer program before joining LTU.

Like other coaches, Richards views LTU's academic standing as both challenge and opportunity – a barrier to some potential student-athletes, but a boon to those seeking highly valued degrees. He said the addition of a nursing program should help with athletic recruitment as well.

Athletics, Richards said, "is changing the campus. It's an exciting time."

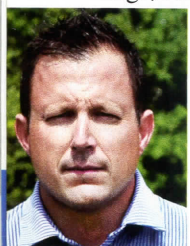
Karen Baird, *softball*

A knee injury changed the course of Karen Baird's career.

"I played softball, basketball and soccer as a kid, but when I got to high school I had to choose between soccer and softball," the 1989 Northville High School graduate said. "So freshman and sophomore year, I played soccer. Then I tweaked my knee and decided to give softball a try for my junior and senior years, and that led me down a whole new path."

Baird would go on to play golf, basketball and softball at Adrian College, where she graduated in 1994 with a Bachelor of Arts in health, physical education and recreation. She taught high school for a few years before realizing that "my passion was more in coaching than the classroom." So she went into college coaching – first as director of intramural athletics, softball coach and golf coach at Albion College from 1997 to 2002, then as head softball coach at Eastern Michigan University from 2002 to 2013. Baird was most recently an assistant softball coach at Oakland University before taking the reins at LTU July 31.

LTU's softball team went 22-28 in its inaugural season, an outstanding record for a team comprised almost entirely





Note: As of press time for this magazine, the women's bowling coach position is vacant. A new men's bowling coach has been hired, but has not yet begun work.

of freshmen. LTU also made the Wolverine-Hoosier Athletic Conference tournament in its first year of competition – which, as far as LTU Athletic Director Scott Trudeau has been able to determine, is the first time that's happened in the history of LTU athletics.

"We'll be a sophomore-based team this year, and we also have seven freshmen coming in and a few juniors and seniors," Baird said. "We'll carry 22 or 23 people on the team."

In the NAIA, softball teams play a few exhibition games in the fall, with the regular season running from March through May. This year's team plans a road trip to warmer climates to kick off the season over spring break.

Baird said she appreciates the "true combination of athletics and academics" of sports at the NAIA level. "People can come to LTU, have that school spirit, give back to the game they grew up with, and continue to play at the collegiate level," she said. "On top of that they receive an awesome degree."

Steve Behmlander, *men's and women's tennis*

Steve Behmlander wrapped up the LTU tennis program's third season in April. He coaches both the men's team, which competes in the fall, and the women's team, which competes in the spring. Last year's men's team finished second in the Wolverine-Hoosier Athletic Conference and qualified for the NAIA tournament, which is "kind of unheard-of in the tennis world" for such a young program.



Behmlander, like other coaches, says LTU's academics can be both a draw and a barrier to recruiting, but said, "It's not easy to recruit in any sport, but here we've got a great story to tell." He said he always emphasizes LTU's broad academic offerings, including the new nursing program.

An athletic program at a school like Lawrence Tech "rounds the school out. It's a great outlet for not only the student-athletes but the student population in general. I attend a lot of our athletic events in all sports, and it's cool – you have kids from other teams attending, and also kids from the school's general population. You can wear your LTU blue and cheer on your fellow students and become part of the team."

Athletes also become public representatives of the University, Behmlander said. "I always tell the kids, 'You're going to be held to a higher standard.'" He added, there's a "healthy competition" among all athletic teams to achieve the highest GPA.

Ed Ruhl, *women's and men's volleyball*

Ed Ruhl has been around LTU volleyball since the program's inception five years ago, but only became head coach of both squads this past April.

And he's a perfect fit for a school like Lawrence Tech. Yes, he makes a living as a volleyball coach – but he has bachelor's and master's degrees in civil, environmental, and chemical engineering from Wayne State University.

"I started playing volleyball when I was in high school, played at a pretty high level, played beach doubles for 25 years semi-pro, and that paid for college," Ruhl said. "Coaching came as a way to give back to the sport and try to teach new players how to play at the highest level they could reach."

Before LTU, Ruhl was an assistant coach at Wayne State and coached at the high school and community college level. He's still an instructor at Team Detroit, a volleyball club team based in Novi.

Ruhl said he believes the aim of athletics at a school like LTU is "to broaden the scope of students who come here. The goal is to get more people to find out about Lawrence Tech. And I love the place because it's a technically focused school, and I'm one of those guys who loves that."

He can coach both men's and women's teams because the women's season runs from August through November, and the men's season December through March. He also coaches the LTU reserve team, giving him three teams and close to 50 athletes to watch over.

Ruhl said he recruits to LTU through Team Detroit and other club programs, especially on the men's side, since few high schools in Michigan offer the sport for men. He said he's still building awareness that the University has added a sports program. "I find that once they find out about it, it's a great fit for a lot of athletes," particularly those just below the level of being courted by major universities. "You can be small for a volleyball player in California, but 6 feet 4 inches is big here," he said with a laugh. "We're turning the corner."

He said he also realizes his players are challenged by LTU academics. "Being mindful of their time is a priority with me," Ruhl said. "I'll have shorter, more intense practices, and less travel during weeks of high schoolwork levels, like midterms. Also, after they get in here, we put them on a game plan to make sure they're successful academically and athletically."

Highlights of his plans for next year's competitors are a spring break trip to Florida for the men's team, and a road trip to a Missouri tournament for the women. □MR



For schedules and the latest news about Lawrence Tech athletics, visit www.bluedevilathletics.com

President Moudgil spreads the word overseas – a

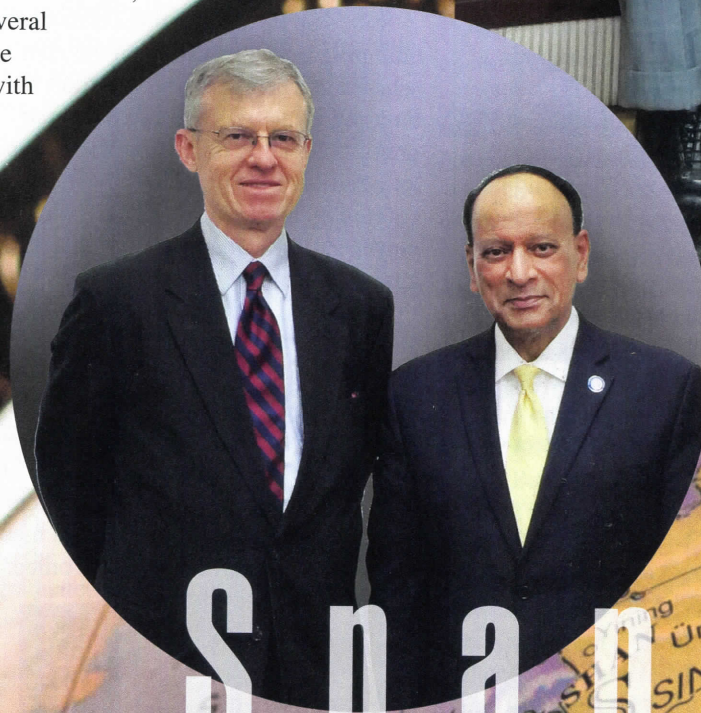
Lawrence Technological University offers its students plenty of chances to travel the world. But they can also learn about global issues and other cultures and languages without ever leaving the friendly confines of the Southfield campus.

President Virinder Moudgil notes that LTU has 52 countries represented in its student body and provides many programs that offer students a peek at other cultures, including the Global Village Project for incoming students every August.

Graduates “are much more likely to succeed in a global economy if they have experience with people from around the world during their education,” noted Moudgil.

LTU also reaches out overseas. Moudgil traveled to China in spring 2016, meeting with educational and business leaders, and this year, he spent several weeks in India, touting the opportunities that come with an LTU education.

Dr. Moudgil on his 2017 India visit with Jeffrey Saxton, counselor for public affairs at the U.S. Embassy in New Delhi.



Dr. Moudgil before a reception in China in 2016.

Spanning

LTU brings the world to campus

Moudgil visited India's capital, New Delhi; the south-central technology hub of Hyderabad; and the northern state of Punjab. He wanted to learn first-hand about the political and educational climate in the areas of India that send students to LTU. He also met with the American consulates in New Delhi and Hyderabad to gauge their perception of the University. "Lawrence Tech is viewed very favorably," he said.

The president also served as a keynote speaker at an academic conference, "Indo-US Partnership on Green Chemistry/Engineering and Technologies for Sustainable Development," organized by Panjab University in Chandigarh and Florida Polytechnic University. His topic was LTU's emphasis on sustainability in its engineering and architectural programs.

In an interview with the *Economic Times*, India's largest business newspaper, Moudgil emphasized that U.S. higher education institutions remain interested in attracting students from India, particularly in the STEM-related disciplines – in part due to the severe shortage of STEM-skilled workers in the American economy.

The purpose of President Moudgil's trip to China last year was to visit several universities that send students to LTU



Dr. Moudgil with Dr. Jianguo Xia, president of Shanghai University of Engineering Science.

for programs in engineering, architecture, and management. Lawrence Tech's major academic partner is Shanghai University of Engineering Science (SUES).

"Not only do we get a lot of students from this university, we also teach in China by sending our faculty for short periods of time to assist those Chinese students who are unable to meet the economic demands of coming to the United States," Moudgil said. "And together with SUES, Lawrence Tech is planning to establish a Sino-U.S. college of engineering. Once that is established, it will streamline the process for students from China and the United States to interact and visit each of those campuses for education and projects."

□MR



Dr. Moudgil presents the keynote address at the Green Chemistry/Engineering and Technologies for Sustainable Development international conference in India earlier this year.

LTU has 52 countries represented
in its student body and provides
many programs that offer students

a peek at other cultures

the globe

Commencing a bright future

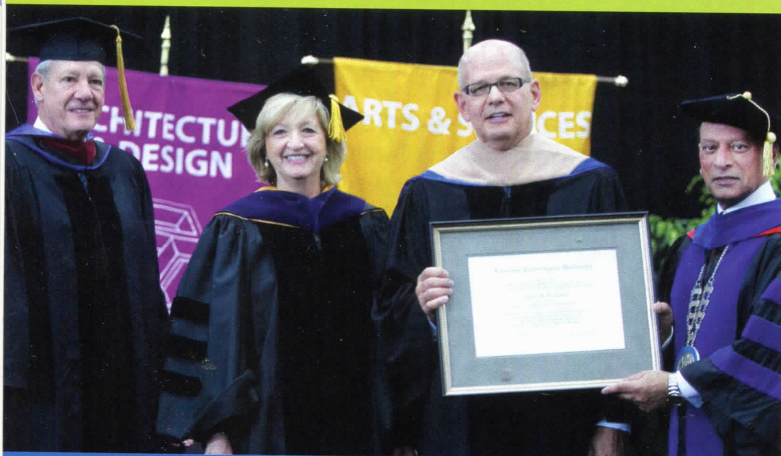
President Virinder Moudgil welcomes the exuberant crowd to Commencement.



A large and enthusiastic gathering of nearly 5,000 people saw Lawrence Technological University recognize the educational achievements of more than 900 graduates during the 85th Commencement exercises at Ultimate Soccer Arenas in Pontiac on Saturday, May 6. It was one of the University's largest grad classes ever.

The University conferred a doctor of business administration degree, *honoris causa*, upon Robert S. Taubman, chairman, president, and CEO of Bloomfield Hills-based Taubman Centers Inc. Taubman also provided the Commencement address, emphasizing that managing change is the only constant in life and a successful career.

Drawing examples from his own background, he said that the United States had about 2,000 regional shopping malls in 2000 – and that that number is down to about 1,000 today. Nevertheless, he said conventional store retailing remains dominant,



Robert S. Taubman, chairman, president, and CEO of Bloomfield Hills-based Taubman Centers Inc., receives his honorary doctorate in business administration from LTU President Virinder Moudgil (right), LTU board chairman Douglas Ebert (left) and LTU Provost Maria Vaz.

LTU's annual **celebration
of academic
achievement**
draws a big crowd
in person, online



Proud graduates ready to take on the future.

Some graduates' caps got a creative floral treatment.



with more than 90 percent of all retail sales still taking place in brick-and-mortar settings.

But what has changed is customer expectations, he said. Dining and recreation have never been more important to retailing. Overall, he said, "It's not a question of stores vs. internet – they are woven together."

Also at Commencement, Rajeev Batra, BSEE'90, president of the Digital Factory division of Siemens Corp., and Alan Cobb, BSAr'76, president and CEO of Kahn, the Detroit architectural firm, received Alumni Achievement Awards. Both men urged graduates to pursue their passions and dreams in the professional world.

Taubman has headed his company and served on the Taubman Centers Board of Directors since the company's initial public offering in 1992. He also is a member of The Taubman Company's Operating Committee. He joined the firm in 1976, was elected executive vice president in 1984, chief operating officer

in 1988, president and chief executive officer in 1990, and chairman in 2001. He is active in many of his industry's leading organizations.

Among many civic and charitable commitments, Taubman serves on the executive committee of Southeastern Michigan Council of Governments and as a member of the board of directors of Business Leaders for Michigan. He is a trustee of the Cranbrook Educational Community, where he chairs the audit committee. He also serves on the University of Michigan Investment Advisory Committee, and is a council member of the Belfer Center for Science and International Affairs, Harvard Kennedy School. Taubman holds the Bachelor of Science degree in economics from Boston University.

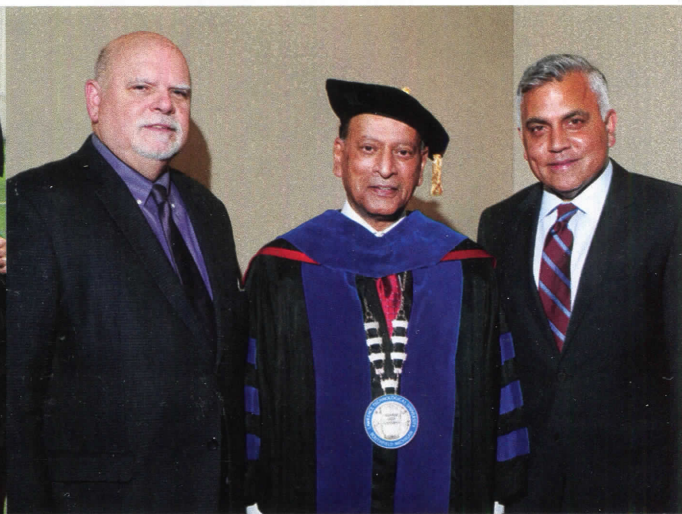
He and his family, including his late father, A. Alfred Taubman, HD'85, a former LTU student, are among Michigan's most generous supporters of advances in health care and higher education. Lawrence Tech's Taubman Student Services Center and



We're betting mom and dad were proud to help.



What's Commencement without a selfie or two?



LTU President Virinder Moudgil (center) with Alumni Achievement Award winners Alan Cobb, BSAr'76 (left) and Rajeev Batra, BSEE'90.

Commencing a bright future

A sea of LTU blue on Commencement Saturday. Blue gowns, rather than black, were new this year, mirroring a national trend in academic garb.



Taubman Engineering, Architecture, and Life Sciences Complex were made possible through lead gifts from the Taubmans, who also provided the landmark Ockham's Wedge sculpture at the center of campus and the Fulcrum sculpture to be dedicated soon in the University's library.

Raj Batra leads the Digital Factory (DF) division for Siemens Corp. in the United States. He is responsible for overseeing a comprehensive automation portfolio of seamlessly integrated hardware, software, and technology-based services for the business. The nearly 1,500 employees of DF serve a wide variety of global manufacturers and their supply chain, including industries such as automotive, aerospace, food and beverage, electronics and battery assembly, and tires.

When Batra was recruited by Siemens in 1993, he became one of just two Siemens employees in Michigan. He wanted to penetrate the automotive market, held tightly in a competitor's grip, and achieved what many considered impos-

sible. He progressed at Siemens to general manager of the automotive and aerospace markets and led the team that broke into the aerospace industry. Siemens customers soon included Boeing, Lockheed, and Rolls Royce. He then rose to vice president and general manager of automation and motion in the United States. In 2007, he became president of the industry automation division. Batra assumed his current position when Siemens reorganized in 2014.

Siemens is also an important partner with Lawrence Tech, having provided the University and students with nearly \$300 million worth of in-kind software.

Alan Cobb, FAIA, LEED AP BD+C, is president and chief executive officer of Kahn, the architecture firm founded by the renowned architect Albert Kahn in 1895. Kahn is comprised of seven companies that make up the Albert Kahn Family of Companies. Cobb has been a leader in design and practice since he joined the firm in 1976.



The big picture – Commencement 2017 was a big deal, with 5,000 people attending and 7,000 more watching around the world online.

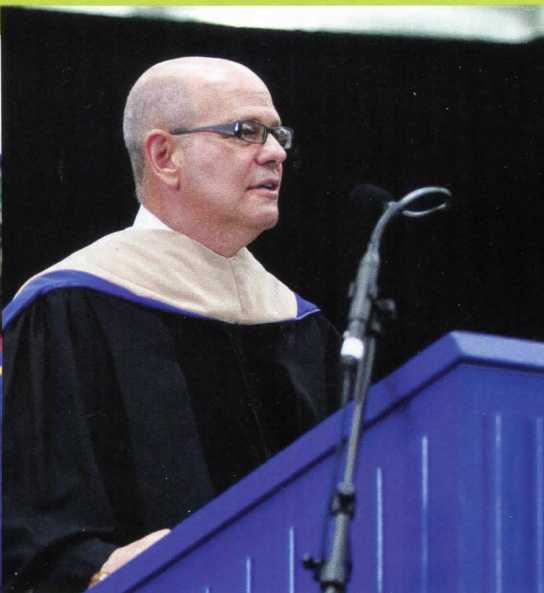


LTU's redesigned mascot Blue is always a hit.

Indeed she did – all the way to her degree.



Robert Taubman delivers the 2017 Commencement address.



LTU graduates put their hands together for Commencement speakers



He has helped reposition the 122-year old firm with the primary goal of melding design excellence with sustainability. His business and design philosophies have pushed for environmentally sensitive design considerations that preserve the country's historic and iconic structures while making the world a greener place. In the past 20 years, his leadership has guided Kahn to more than 60 design awards, including three AIA National Honor Awards.

Honored with Lawrence Tech's Distinguished Architecture Alumni Award in 2000, Cobb was instrumental in the building of LTU's newest academic building, the A. Alfred Taubman Engineering, Architecture, and Life Sciences Complex, which opened in 2016. As the architect/engineer of record, Kahn employed new materials and methods in the building's construction. The firm's ability to design for extreme conditions was key to making the building's unique design feasible.

A licensed architect in 40 states, Cobb has served as presi-

dent of both AIA Detroit and AIA Michigan. He received the AIA Detroit Gold Medal in 2016. Cobb is a board member of the Michigan Architectural Foundation and a member of the advisory boards of both Lawrence Tech's College of Architecture and Design and the University of Detroit Mercy School of Architecture.

His architectural projects include the expansion and renovation of the Cobo Conference and Exhibition Center, Lear Corporation's headquarters, the renovation and restoration of the University of Michigan's Hill Auditorium, and Delta Dental of Michigan's corporate office.

For the third year, Commencement was also streamed live online. Viewership hit a record, with 7,435 watching at least part of the ceremony, up from 5,414 in 2016 and 2,774 in 2015. The largest share of viewership this year was overseas.

□MR/BJA

*For the third year,
Commencement was
streamed live online.
Viewership hit a record,
with 7,435 watching.*



He may be a Blue Devil, but he's a friendly one.

An artist's conception of LTU's fourth residence hall, looking to the northwest from the edge of the quad near the Buell Management Building.



Lawrence Tech breaks ground on

The ceremonial shovel that has been used at all LTU groundbreakings since the Engineering Building in 1953.

LTU broke ground in May on its fourth residence hall – a 95,000-square-foot, \$21 million structure scheduled to open for fall semester 2018.

The building, called East Residence Hall, will be four stories tall and house 308 students and housing staff. When it opens, Lawrence Tech will have more than 1,000 students living full-time on campus.

East Hall was designed by the Northville architecture firm inFORM Studio, founded by Lawrence Tech alumni

Ken, BSAr'85, BAr'86, and Gina, BSAr'89, BAr'94, VanTine. The firm's other two principals are also alumni, Michael Guthrie, BSAr'95, and Cory Lavigne, BAr'96, as is the residence hall project manager, Eric Klooster, BSAr'09, MAr'13.

At the groundbreaking ceremony in May, President Virinder Moudgil noted the University's continuing transformation from

An artist's conception of LTU's fourth residence hall, looking to the southeast from the area between Donley Hall and Reuss Hall.



commuter school to residential campus, and said the new residence hall will focus on the health and well-being of students and community-building – “a design that encourages social interaction and an enhanced community orientation.” Features will include a fitness center and bicycle garage.

Student Government President Kienan Kowalski, a senior

.....
When the hall opens, LTU will have more than 1,000 students living full-time on campus.
.....



new residence hall

*Officials with LTU and its partners
turn the earth over at the ground-
breaking for the new residence hall.*



The audience gathers for the groundbreaking of LTU's fourth residence hall.

majoring in construction engineering technology and management, later hired to work on the project, said LTU's additions of residence halls and intercollegiate athletics give students "all the academic benefits of a small university and all the extracurricular perks of a large university."

East Hall will sit between the Edward Donley Residence Hall

(formerly North Housing), which opened in 2002 and houses 217 students, and the Lloyd E. Reuss Residence Hall, which opened in 2015 and houses 150 students. Lawrence Tech's first housing unit, South Residence Hall (formerly South Housing), opened in 1977 and accommodates 390 students.

"It has been the University's objective to cluster undergrad housing in the heart of the campus to better enable entering freshmen to become part of a community and a part of campus life," said Joseph Veryser, LTU university architect. "The principle is one of closeness to one another and closeness to campus activities and core support areas, such as food service, bookstore, and library." □MR

New DECA chapter scores big at first state competition

Only a few weeks after its founding, LTU's chapter of Collegiate DECA proved that it's already a force to be reckoned with in the collegiate business world. Four LTU business administration majors scored top places in the Michigan Collegiate DECA State Career Development Conference, held in Grand Rapids.

LTU sophomore Max Sabo placed first in the Executive Job Interview competition, a mock job interview for an entry-level management post, and third in the Banking and Financial Services competition, in which students analyze a real-world banking and financial services situation. Josh Dirlam, a junior, finished second in the Corporate Finance competition, in which students analyze investment and corporate finance opportunities.

A team of Sabo and Garrett Vonk, a sophomore, finished third in the Business Ethics competition, in which students analyze a business situation involving an ethical dilemma, then present a resolution of the dilemma to an expert judge. Kirk Markowski, a junior, was a finalist in the Retail Management competition, in which students analyze a real-world situation, develop solutions, and role-play their strategy

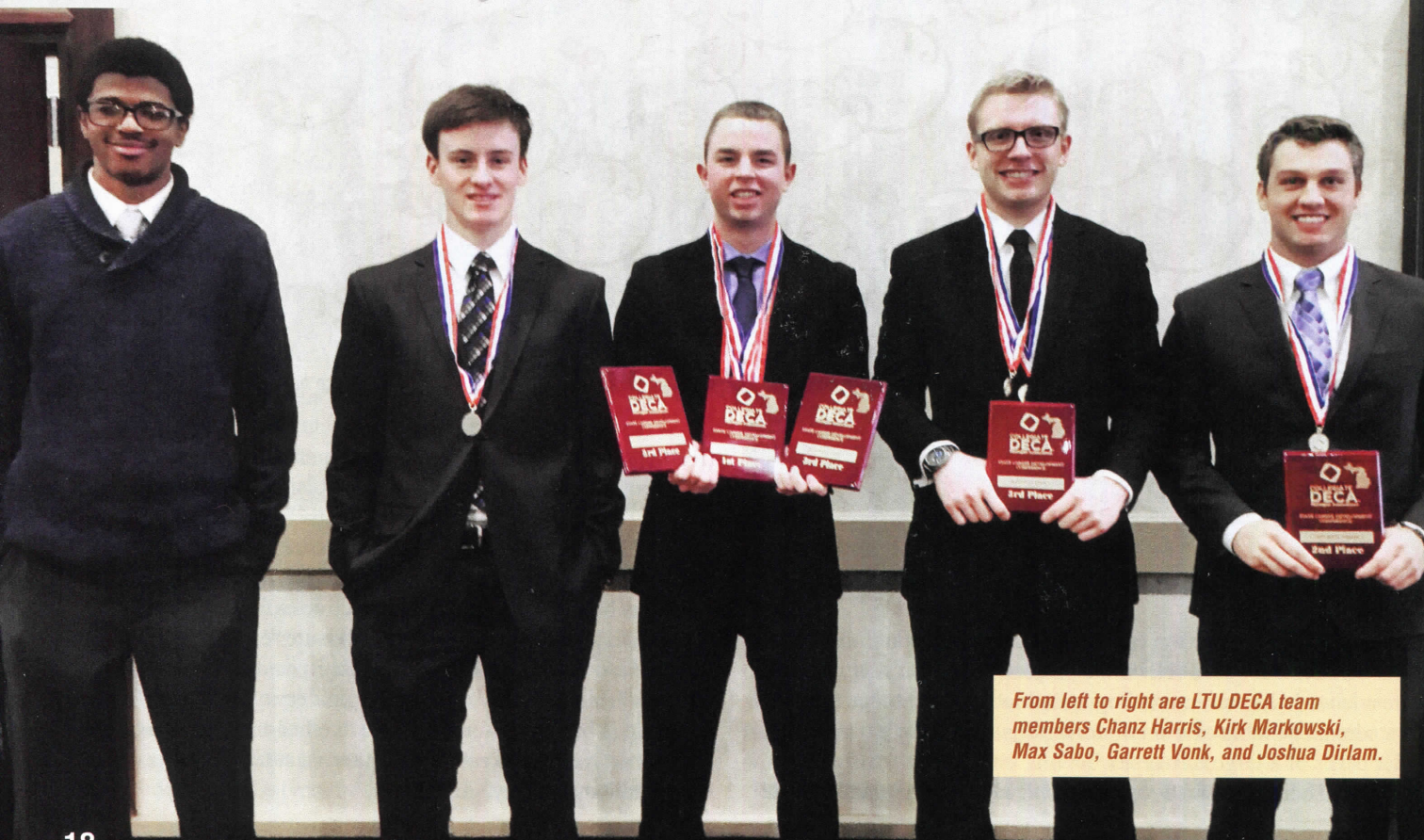
with an expert judge. Vonk was also a finalist in Corporate Finance. Also competing for the LTU team was Chanz Harris, a sophomore.

Merissa Hudnall, coordinator of undergraduate and graduate student services in LTU's College of Management, said she was "proud of these students for representing LTU and the College of Management so well."

In their performance at the state competition, Sabo, Dirlam, and Vonk earned the right to attend the International Collegiate DECA Career Development Conference.

DECA, formerly known as the Distributive Education Clubs of America, prepares emerging leaders and entrepreneurs in marketing, finance, hospitality, management, and entrepreneurship. LTU started its chapter at the end of the Fall 2016 semester as an extracurricular opportunity for students to take on leadership roles and attend educational conferences, participate in competitive events with other students at universities within the state and internationally, and prepare for their careers. More than 3,500 high school chapters and 275 collegiate chapters involve more than 215,000 members in activities sponsored by DECA and its corporate partners.

LTU was one of 11 universities competing in the state championships. □MR



From left to right are LTU DECA team members Chanz Harris, Kirk Markowski, Max Sabo, Garrett Vonk, and Joshua Dirlam.

Research Day 2017 sets records

The increasing role of research in the educational mission of Lawrence Tech was on full display this spring during the University's fifth annual Research Day.

The event was organized by Matthew Cole, associate professor in the College of Management, who praised the "incredible buy-in and support" from the University administration, including President Virinder Moudgil and Provost Maria Vaz.

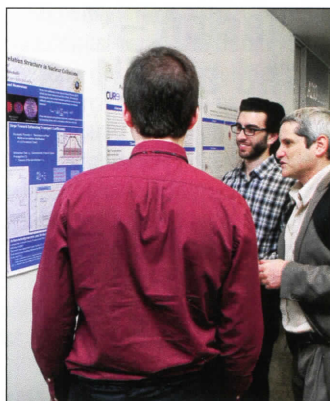
A record number of research posters – more than 80 – were on display for the event, representing top-flight intellectual output from LTU students and faculty. The day began with oral research presentations in each of LTU's colleges – Architecture and Design, Arts and Sciences, Engineering, and Management.

"Research is essential to the mission of a university," Moudgil told the crowd gathered for the President's Colloquium, which is the keynote presentation on

Research Day. "And here, we do what we do best, which is applied research."

Colloquium honoree Joongsuk Kim, professor in the College of Architecture and Design and director of LTU's Master of Urban Design program and the Detroit Studio, spoke on civic engagement and governance in architectural design – the oversight of design by the community for the broader public good.

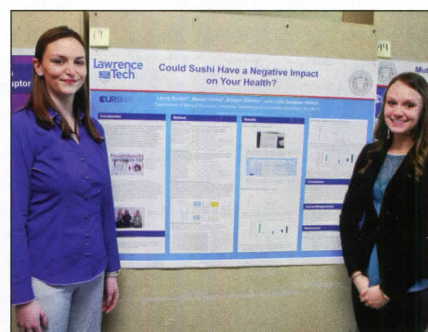
"People working in community



LTU Associate Professor Lior Shamir (right) checks out the latest in physics research.



Joongsuk Kim gives the keynote presentation.



Students were eager to present their research results to visitors.

Management prof sees success in journal, advocates for cancer patients

It was a busy spring for Patty Castelli, professor in the College of Management.

Her latest academic paper, "Reflective Leadership Review: A Framework for Improving

Organizational Performance," published in the *Journal of Management Development*, was selected by the journal's editorial team as a Highly Commended paper in the 2017 Emerald Literati

Network Awards for Excellence.

The paper has been downloaded 1,902 times since its 2016 publication.

Castelli also visited Washington, D.C., in April to participate in the American Lung Association's Lung Force Advocacy Day in support of lung cancer patients. During the visit, Castelli advocated for robust, sustained federal funding for lung cancer research, and for quality and affordable health care for people living with lung cancer. She met with U.S. Rep. Sander Levin (D-Royal Oak), Jonathan Hirte, an aide to U.S. Rep. Tim Walberg (R-Tipton), Greg Mathis, an aide to

U.S. Sen. Gary Peters (D-Mich.), and Lorenzo Rubalcava, an aide to Sen. Debbie Stabenow (D-Mich.).

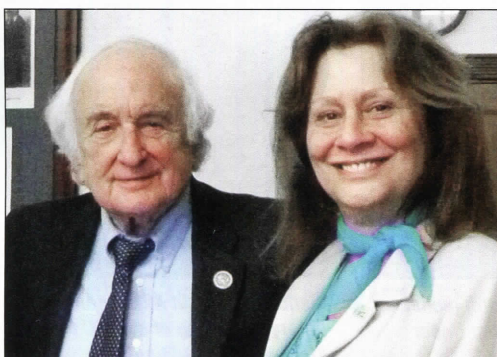
"Finding out I had lung cancer three and a half years ago was the scariest time in my life," Castelli said. "Whenever I heard of lung cancer, the prognosis was not good. But I am living proof that people who are diagnosed with lung cancer can and do survive."

Castelli credited her survival to early detection and having good health insurance through her employer, which let her get excellent care from the time she was diagnosed, through her recovery.

More about Castelli's battle with lung cancer can be found in the "Lung Force Heroes" section of the website www.lung.org.

□MR

Patty Castelli, professor in the LTU College of Management, meets with Rep. Sander Levin (D-Royal Oak) on behalf of the American Lung Association.



Albert Kahn legacy lives on – in Detroit buildings and at LTU

For Lawrence Tech's library and College of Architecture and Design, this past winter might be considered the "Winter of Kahn."

Two major campus events and other exhibits and events showcased the University's long-time links to legendary architect Albert Kahn, designer of such iconic structures as Henry Ford's Highland Park complex and Detroit's Fisher Building. Included was a multimedia display in the University Technology and Learning Center Gallery, "Albert Kahn: Under Construction."

In February, Joel Stone, senior curator at the Detroit Historical Society, presented a lecture on "The Ubiquitous Mr. Kahn." Attendees learned that Kahn's very first architectural project, at the ripe old age of 16, was the legendary 660-foot-long front porch of Mackinac Island's Grand Hotel.

Kahn was born in 1869 in what today is the German state of North Rhine-Westphalia, the son of a rabbi. He moved to the United States with his family in 1880. Although a prodigy at piano, Kahn gravitated toward architecture, and began work as an office boy for famed Detroit architect John Scott. Kahn learned to draw from Detroit painter Julius Melchers, and joined the firm of Detroit architect George Mason in 1885, for whom he designed the Grand Hotel porch.

In 1896, he formed a partnership with Alexander B. Trowbridge and George W. Nettleton and began designing Detroit buildings like the Palms apartments, Belle Isle Aquarium, and Temple Beth El (now the Bonstelle Theatre).

Kahn's brother Julius was also an important part of the great architect's success – he invented steel-reinforced concrete, which allowed concrete buildings to be built with larger spaces between

columns, creating open factory spaces. Concrete floors also accommodated heavier machinery and reduced fire risk.

Kahn's industrial designs brought lots of natural light and good ventilation to the factory, Stone said, replacing the dark, wood-floored New England mill-style industrial building with modern steel and concrete. Kahn would go on to build hundreds of buildings for the auto industry, most notably for Ford Motor Co. and General Motors Corp. Kahn also designed the ultimate expression of the Arsenal of Democracy, the Willow Run bomber plant. He died in 1942.

While Kahn was sometimes derided as overly utilitarian, cranking out boring buildings for big business, there's no doubt he could do beautiful work, such as Ann Arbor's Hill Auditorium and Clements Library, the Detroit Athletic Club, and the Edsel and Eleanor Ford House in Grosse Pointe Shores.

One thing's for sure, Stone said – if you seek out Kahn's work in Metro Detroit, "it's like Motown, it's all around you. He did 900 buildings in the Detroit area, and most of them are still with us... he built them to last for centuries."

Also in February, an exhibit at LTU's Detroit Center for Design +



Visitors enjoy the displays of Albert Kahn's design work in "Albert Kahn: Under Construction."

Technology showcased Kahn's blueprints for the Belle Isle Aquarium, the nation's oldest aquarium, which also featured a gallery talk on the significance of the design.

Then, in March, academics, researchers, and the architecturally curious gathered on campus to review the work and legacy of Kahn in a daylong research symposium. Academics debated how Kahn's work reflected the social attitudes of his day. Donald R. Bauman, LEED AP, NCARB, director of architectural development and historic preservation at Detroit-based Albert Kahn Associates, described efforts to redevelop the New Center area of Detroit, which includes the former GM headquarters – now the state-owned Cadillac Place office building – the Fisher Building, the Argonaut Building, the New Center One building, and the Albert Kahn building.

Kahn President and CEO Alan Cobb, BSAr'76, spoke on Albert Kahn's influence on the modern architecture movement. He referenced many architects influenced



Alan Cobb, BSAr'76, FAIA, president and CEO of Kahn, the Detroit architectural and design firm, with LTU Provost Maria Vaz at the Albert Kahn symposium on campus.

by Kahn's design, including Ludwig Mies van der Rohe and Walter Gropius, founder of the Bauhaus school of art and design in Germany. Cobb said Kahn worked toward creating a "universal space" that could be used for anything from industrial to residential to performance purposes.

LTU is home to Albert Kahn's personal library, which was removed from his former Detroit office piece by piece and painstakingly reconstructed in a wing of LTU's library. On permanent loan from the firm, it contains thousands of books and magazines on art, design, architecture, and engineering that were the great architect's everyday sources of inspiration. □MR



Large projected pictures were combined with models of Kahn's industrial designs in "Albert Kahn: Under Construction."



Visitors check out Albert Kahn's restored personal library, in a wing of the LTU library in the Buell Management Building.

Defending basic research: UM president delivers Cisler Lecture on advances in medicine

Why on Earth are they studying that?

It's a question you sometimes hear about basic scientific research, much of it government funded, without a specific goal in mind.

Such research found a strong defender in University of Michigan President Mark Schlissel who delivered LTU's 21st annual Walker L. Cisler Lecture in April. Schlissel, a biology researcher before becoming a university administrator, argued that precisely that kind of basic research is responsible for many of the scientific advances that make our lives longer, healthier, and better.

Schlissel focused on advances in stem cell and genetic research during his talk. He presented example after example showing that "discovery science, driven by curiosity, has been responsible for most major scientific advances.

Research where nobody is telling the researcher what to study. The results ultimately became profound."

Schlissel traced the history of the discovery of DNA from early 20th century experiments to the identification of DNA as the keeper of the genetic code in the 1950s and 1960s, all driven by curiosity – and which have today become multibillion-dollar industries.



University of Michigan president Mark Schlissel opens his Walker L. Cisler Lecture on campus.

Showing a tape of former vice presidential candidate Sarah Palin mocking government-funded fruit fly research, Schlissel noted that that research eventually led to a clear understanding of the genetic origin of horrible human bone deformities.

"You can't predict where science will lead or what a project's ultimate importance will be," he said.

Today's genetic and stem cell research, Schlissel said, may eventually make possible individually tailored medicines and the repair of genetic defects that cause diseases like cystic fibrosis and sickle-cell anemia.

There's an ethical hold on some of this research, however, because it comes close to the genetic "repair" of seemingly healthy people.

"I always wanted to play basketball, but I wasn't talented enough," Schlissel said. "What if we cloned the Michael Jordan gene and gave it to me, or to my offspring? The scientific community is pausing ... to study whether this is appropriate."

The Walker L. Cisler Lecture Series was founded at Lawrence Tech with a generous gift from the Holley Foundation. □MR



University of Michigan president Mark Schlissel (right) with LTU President Virinder Moudgil (center) enjoy the reception before the lecture.

Lawrence Tech takes top two spots in cybersecurity competition – again

For the third consecutive year, LTU students took first and second places in a regional cybersecurity case competition in April. The Fourth Annual Scholarship Case Competition was sponsored by the Detroit Chapter of ISACA, formerly known as the Information Systems Audit and Control Association.

The first place winner was Xu Zou and the second place winners were a team of Sagar Naik and Venkata Rathna Anirudh Mamidipaka. All three students are pursuing master's degrees in information technology. First place earned \$4,000 and second place \$2,500.

A total of 15 LTU students on eight teams participated in the event, which is designed to enrich the experience of students by providing a real-world security scenario to solve. The teams worked on a case study and presented reports to a panel of IT security industry professionals.

Assistant Professor Anne Kohnke is the ISACA academic advocate for LTU. She mentors and supports students interested in IT and cybersecurity. □MR



From left to right are ISACA competition winners Venkata Rathna Anirudh Mamidipaka of Lawrence Tech, Obay Alijerian of Eastern Michigan University (EMU), Xu Zou of LTU, Qisheng He of EMU, and Sagar Naik of LTU.

Photo: Anne Kohnke

LTU dedicates Ford sculpture at campus entrance

The Henry Ford Trade School Alumni Association (HFTSAA) has had a close relationship with LTU since the University's 1932 founding. That relationship now has physical evidence – a sculpture of Henry Ford outside LTU's Buell Management Building at one of the busiest locations on campus.

The sculpture was a gift of the HFTSAA, and many trade school alumni were in attendance for the

sculpture's April 25 unveiling and dedication ceremony – as was Edsel Ford II, great-grandson of the automotive pioneer and member of the Ford Motor Co. board of directors.

Henry Ford opened a trade school in 1916 that would eventually enroll nearly 3,000 students a year. Henry and his only son, Edsel, were also instrumental in the creation of LTU in 1932 on the



Sculptor Mino Kramer with Edsel Ford II at the dedication of LTU's new statue of Henry Ford.

experiential learning at the Trade School was extended to the higher education level at LTU," said Lawrence Tech President Virinder Moudgil. "This new sculpture recognizes Ford's role. We're also pleased that its placement on our campus dovetails so well with our university's continued support of the City of Southfield's commitment to public art."

The Ford Trade



With the new sculpture are LTU board chairman Douglas Ebert, Henry Ford Trade School Alumni Association President George Banda, Edsel Ford II, and LTU president Virinder Moudgil.

automaker's Highland Park campus – and one of the first acts of LTU founder Russell Lawrence was to create a scholarship fund to attract Trade School graduates. In 2015, the association donated \$750,000 to create a permanent endowed scholarship fund for undergraduate mechanical engineering students at LTU.

"Henry Ford's 'theory and practice' model emphasizing

School graduated its last class in 1952. Most of its alumni are in their 80s and 90s. Members see the scholarship and statue as a way of serving and informing new generations while highlighting the legacy of Ford's educational approach and preserving the memory of their organization.

Speakers at the April 25 event included Moudgil; Douglas Ebert, chairman of the LTU Board of Trustees; and George Banda, Henry Ford Trade School Alumni Association president. Sculptor Mino Kramer also attended. □MR



The unveiling of the latest artistic addition to LTU's campus.



Many Henry Ford Trade School alumni were in the crowd for the dedication of LTU's new sculpture of Henry Ford.

Donley Award students excel

Kadija Kalo and David Stroshein are LTU's 2017 recipients of the Ed Donley Distinguished Graduate Awards. They were selected for the honor by the LTU Alumni Association Board of Directors.

The Donley Awards recognize not only academic achievements, but also participation in campus activities, employment while a student, involvement in professional associations, and community service.

Nominated by several faculty members, as well as her lacrosse coach, Kadijah Kalo, BSBCM'17, excelled both inside and outside the classroom during her time at Lawrence Tech.

An involved student leader, she was a founding member and vice president of the student chapter of the American Society for Biochemistry and Molecular

Biology and a student senator for the College of Arts and Sciences in LTU's student government. Kalo was also an outstanding student athlete and served as the captain of the 2016 WHAC Champion and national runner-up women's lacrosse team. For her outstanding leadership on and off the field, she was awarded the 2016 Student Leader of the Year award.

Kalo accomplished all of this while maintaining a 3.78 GPA and working in the Academic Achievement Center as a tutor to other students in biology and chemistry. During the summer of 2016, she held a prestigious student researcher position at Pepperdine University. She also was a model student volunteer, donating her time to such causes as Greening of Detroit, Sparrow Hospital, and the Boys & Girls

Clubs of Southeastern Michigan.

Graduating with a 3.99 GPA, David Stroshein, BSMCB'17, is a model of the accomplished, well-rounded student. He served for three years as the treasurer of the student chapters of both the American Chemical Society and the Society of Physics Students and was involved in the American Society of Biochemistry and Molecular Biology.

Through all of this activity, Stroshein found time to give back to others. He regularly volunteered at the Grosse Pointe Animal



Kadija Kalo



David Stroshein

Adoption Society and also volunteered with local pre-school and elementary science fairs. In addition, he worked as a biology, chemistry, and math tutor in Lawrence Tech's Academic Achievement Center.

As a Lawrence Tech freshman, Stroshein elected to continue a research project he began in high school of identifying microbes present in carnivorous pitcher plants and comparing lab grown specimens to natural flora. He was awarded project funding through Quest, LTU's co-curricular experiential learning program that enables students to pursue their passions outside the classroom. Stroshein also received a Presidential Undergraduate Research Award, which provided additional funding. He researched a variety of subjects at Lawrence Tech and at the Donald Danforth Plant Science Center in St. Louis, Mo. □MR

LTU launches groundbreaking new master's program in social practice

A new program in the College of Architecture and Design is aimed at graduate students who intend to use their skills in art, design, and technology to make a difference in the community.

The Master of Fine Arts in Social Practice was created in response to an emerging and significant movement within the art and design worlds, in which fine art, technology, design, and community engagement intersect.

"This program is the first of its kind in Detroit, as well as the region," said Assistant Professor Steve Coy.

The 60-credit-hour degree program is designed to foster collaborative efforts between students and the community at large. Students will create and assess community-based art and design activities, all in a real-world set-

ting. It will operate out of LTU's Detroit Center for Technology + Design (DCDT) in Midtown Detroit.

While the MFA in Social Practice is a graduate program, spaces are reserved for high school students seeking college credit, who will collaborate on projects. The MFA in Social Practice suits those following a

variety of career paths. Coy envisions the program attracting students who aim to teach, work for a foundation or community development group, obtain a job at an art institute, or pursue a career as an urban planner.

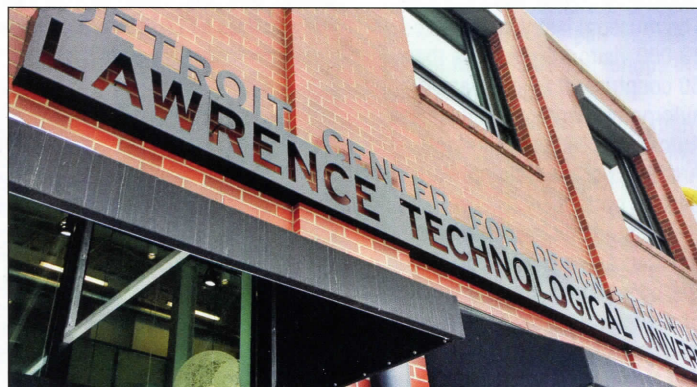
Coy developed the program to encompass the use of a wide variety of media, sculpture, and large-scale installation art to projection mapping, augmented reality, tactical urbanism – even street art and live performance. The first known program in social

practice was developed in 2005 at the California College of the Arts. Since then, approximately 10 others have been formed around the country.

Students in the social practice program will be encouraged to initiate community projects with wide-ranging applications. Projects might include evaluating the economics of Eastern Market's muralism movement or creating a performance piece in a public park – whatever the students wish to pursue.

"Our college offers so many different disciplines as a design ecosystem," said Karl Daubmann, dean of the College of Architecture and Design and executive director of the DCDT. "This MFA program operates within the groups that exist. Rather than representing any one discipline, it pulls the many different disciplines together." □SC

Lawrence Tech's Detroit Center for Design + Technology in Midtown.



LTU students build museum docent robot

A team of Lawrence Technological University robotics engineering students built a robot that gives people anywhere in the world the opportunity to visit an historic Detroit auto plant.

The students demonstrated the robot at the annual dinner meeting of the Model T Automotive Heritage Complex, the nonprofit that runs the Ford Piquette Avenue Plant as a museum.

A senior capstone class of robotics engineers, led by LTU robotics instructor James Kerns, built a robot that follows magnetic tape around the Piquette plant at the heels of a docent leading a tour. A camera attached to the robot allows visitors from around the globe to log in and join the tour, viewing the museum from an eye-level perspective. Virtual visitors can type in questions for the docent, which are displayed on a screen on the robot.

The students built a custom-made steel chassis for the robot, which is powered by rechargeable batteries and uses wheelchair motors and wheels to get around. They named the robot H.E.N.R.Y., for "Historical Engineering Narrated Remotely for You." Jerry Mitchell, a retired Wayne State University anatomy professor who chairs the Piquette plant's board, called the LTU students "wonderful young people, an inspiration to all of us" who make him "more optimistic about the future of our country."

The nine students who worked on the project are Zachary Cowan, Matt DiMilla, Patrick Felixsa, Christopher Leclerc, Ryan Martin, Charles Morton, Luis Rodriguez, Nicole Turkus, and Joey Yudas, team captain. They started building the robot in November.

The Piquette plant was home to Model T production from 1904 to 1910. On Jan. 1, 1910, Henry Ford opened the more famous Highland Park plant, where he perfected the

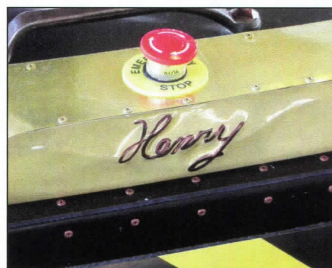


Joseph Yudas, leader of the docent assistant robot building team, explains how the robot works at the Model T Automotive Heritage Complex, the nonprofit that runs the Ford Piquette Avenue Plant as a museum.

moving assembly line. At Piquette, automotive assembly was still done the old-fashioned way, in a plant that would have been at home in any New England mill town. Workers put an automotive frame up on sawhorses and bolted and welded the rest of the car's parts onto it, rolling it out the door when it was done.

While no model of efficiency compared to the moving assembly line, the Piquette plant did set records for its time, at one point churning out 110 Model Ts a day. The museum last year attracted 18,000 visitors from more than 50 countries. It is listed as an automotive heritage site with the Automotive National Heritage Area, part of the National Park Service system.

The students said they're proud to showcase a critical part of Detroit's history through the use of modern technology. Yudas said the robot "helps bring attention to one of Detroit's most iconic



The front of the docent assist robot bears this purely ornamental hood ornament built around the emergency stop button.

products of history, the Model T." And Cowan spoke for many on the team when he said, "I love the history of the Piquette museum and love the idea of helping them expand their digital reach."

Turkus added: "This project is important to me because as a child I spent a lot of time in museums. By building our telepresence robot, we are able to bring the experience of the Ford Piquette Avenue Plant museum to anyone in the world with an internet connection."

The cost of the robot is about \$5,000, which students raised from sponsors.

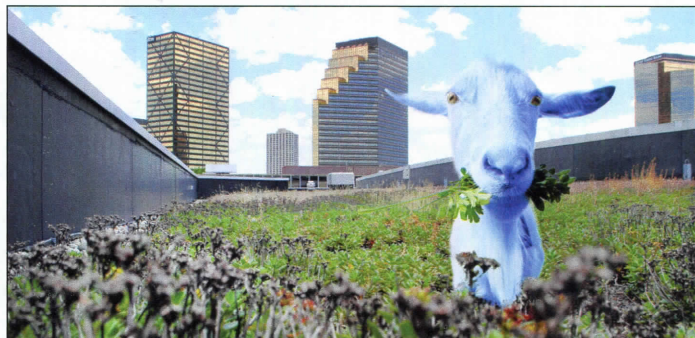
For more information on the Ford Piquette Avenue Plant museum, visit www.fordpiquetteavenueplant.org. □MR

The LTU team puts the docent assist robot through its paces.



April Fool's

For some April Fool's Day fun, LTU's marketing and public affairs team put out a spoof press release announcing that a goat (blue, of course) had been released on the green, living roof of the A. Alfred Taubman Student Services Center, in order to keep the sedum properly trimmed. The release was greeted with good humor by area media, and set a near-record for "likes" and reactions on LTU's Facebook page.



LTU places two finalist teams in architectural engineering competition

Two teams of LTU students were among the five national finalists in an Architectural Engineering Institute competition to design a new athletic practice facility at Texas Tech University in Lubbock.

"We definitely learned a lot and had a lot of fun," said team member Caitlin Boote, MSAE'17.

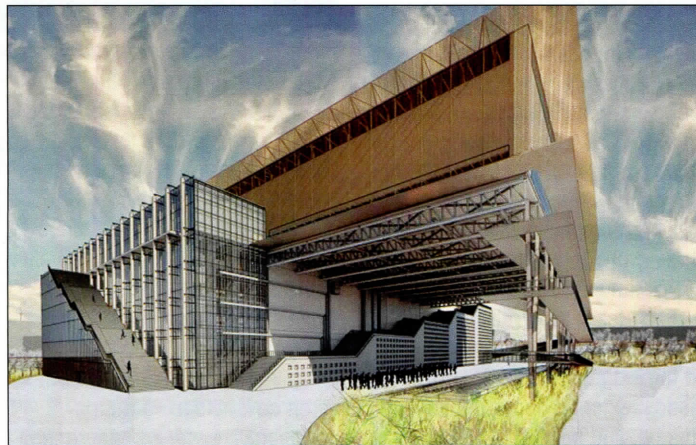
The teams were given a base budget and a front elevation of the building designed by the firm Gensler, "and no details," Boote said. From that bare-bones information, the LTU students developed a 120-page report full of structural, mechanical, electrical, and construction engineering calculations, tables, and plans for the building, which contained a 2,000-spectator track and field venue, practice football field, weight rooms, medical and training offices, team rooms, and more.

Boote's team designed an elegant, high-performing building that was net energy positive thanks to photovoltaic arrays on the roof and nearby carports. The six-story building also featured geothermal heating and cooling, and a system of filters and disinfection methods to make both black and gray wastewater recyclable for use in toilets and janitors' closets. The 189,000-square-foot structure was designed for the Living Building Challenge, which requires that buildings be net positive in energy and water re-use, last 100 years or more, and improve the surrounding community.

"The first, biggest challenge was to solidify our team dynamic," Boote said. "Working together with fellow students who had distinct and good ideas that were different than mine meant coming up with compromises. Nobody got bossy or condescending, and everybody had their ideas heard. I

learned a lot about plumbing and fire protection, and that became my personal contribution to the

team. In the competition itself, we learned how well Lawrence Tech's integrated bachelor's-



The LTU team's design for a new athletic practice and competition facility at Texas Tech.

Engineers as entrepreneurs

LTU a key national player in boosting innovation, design thinking in engineering education

What started out as a curriculum development program at Lawrence Tech, run by two LTU professors, has become a sprawling, national program.

The aim is the same, though: injecting entrepreneurial thinking into the engineering curriculum.

Engineering professors Donald Carpenter and Andrew Gerhart started training professors in-house on modifying course curricula to include active, collaborative, and problem-based learning to boost the entrepreneurial content in LTU courses in 2009. Their work is part of Lawrence Tech's longstanding relationship with the Kern Family Foundation of Waukesha, Wis., whose charitable efforts include entrepreneurial engineering education.

Other universities – Ohio Northern University and Saint



Donald Carpenter



Andrew Gerhart

Louis University among the first – heard of the effort and asked Carpenter and Gerhart to present to their faculty. The pair was also invited to facilitate workshops in Europe and South America.

By 2013, the Kern Foundation's Kern Entrepreneurial Engineering Network, a growing group of schools committed to providing more entrepreneurship education for engineering students, formalized and institutionalized the courses, and Gerhart and Carpenter started presenting at other institutions.

master's program in architectural engineering prepares us to lead the industry."

She echoed the words of the program's director, Professor Filza Walters: "When it comes to intellectual leadership, students develop novel approaches to traditional systems, present well in front of a jury of multinational firms, and always bring new ideas forward."

LTU's teams have made it to the finals every year they have entered. Other members of Boote's team were Yeman Al-Rawi, Teah Fink, Chris Lange, Pierce Sadlier, and Amber Zuehlke. The other LTU team was comprised of Mark Fenty, Alyse Finley, Rachel Ritter, Haley Talcott, Andrew Tucker, Jagoda Wojtowicz, and Liuyang Yang. Their faculty advisor and mentor was Associate Professor Ralph Nelson.

Boote now works at US Gypsum as an advanced manufacturing engineer. □MR

Demand for the course continues to grow. In 2017–18, Gerhart will facilitate workshops with colleagues in Arizona, Michigan, Washington, D.C., Colorado, and Texas. Carpenter will teach some of those courses, as will colleagues from other institutions around the country.

The aim, Gerhart said, is to "use active pedagogies like problem-based learning to instill the aspects of the entrepreneurial mindset. How do you look for opportunities? How do you take those opportunities and create value? How do you create value in ways other than purely technical?" In the broadest sense, they're teaching engineers to think like businesspeople, like entrepreneurs.

And Gerhart and Carpenter continue to expand the workshops at LTU. Innovating Curriculum with the Entrepreneurial Mindset was offered to 16 faculty members – mostly from the humanities faculty in communication and psychology – in May. □MR

Presenting their case: Undergraduate management, MBA students square off

LTU's College of Management hosted its first undergraduate Strategic Management and Business Policy Case Competition in April.

The college has been hosting business case competitions to test the analytical skills of its MBA students since 2014. This year, three groups of students from John Zhu's undergraduate Strategic Management and Business Policy (MGT 4213) capstone class analyzed and made strategic recommendations for the electronics retailer Best Buy.

Founded in 1966, Best Buy was renamed and rebranded in 1983 and has expanded throughout the United States, Canada, and Mexico. It gave up operations in China in 2011 and Europe in 2012.

The students focused on four strategy-related questions: Should Best Buy provide customers with better sales force knowledge, or products with low prices? How will Walmart's decision to ramp up in-store electronics sales affect Best Buy? How will Best Buy compete against internet giant Amazon? How will Best Buy expand globally?

Judges for the event were Atul Kalia, director of engineering at Pontiac Coil Inc. and co-founder of Certus Management Consultants, and Thomas Marx, professor and director of the Senior Service College Fellowship

Program and the Center for Leadership in LTU's College of Management.

A \$200 prize was awarded to the winning team of Abdulhameed Alshammari, Norah Alshihri, Tyler DeMeere, and Tyler Holt.

In the MBA Capstone Program, three teams from Marx's Global Strategic Management class analyzed the business strategies of three grocery leaders – Kroger, Meijer, and Walmart.

Each team analyzed the structure and competitive intensity of the industry, technological trends, external opportunities and threats, and internal strengths and weaknesses and recommended strategic actions to enhance the companies' long-term competitive advantages. Each team interviewed company managers, surveyed customers, collected data from industry and company reports, and compared products, prices, services, and facilities.

The presentations were assessed by a panel of four grocery industry experts: Ryan Mathews, Bryan Neiman, Mike Hamelin, and James Loughran. The Walmart team received the award for best overall presentation.

The three student teams were Kroger: Xeyang Chen, Xi Li, Matt Federspiel, and Gregg Laframboise; Meijer: Brent Malik, Ebony Maxwell, and Walmart: Chen Lu, Valerie Scott, and Kirby Wilson. □MR



Participants in the MBA version of the event.



Participants in the undergraduate Strategic Management and Business Policy Case Competition.

Two management students recognized by FEI

The Detroit Chapter of Financial Executives International (FEI) recognized two LTU students in its annual FEI Academic Awards ceremony, held in February.

Joshua Dirlam, an undergraduate in LTU's Bachelor of Science in Business Administration program with a minor in economics and a concentration in finance, was recognized for maintaining a 3.84 GPA, while also serving as captain of the LTU golf team.

Dirlam is a member of the College of Management Student Advisory Board, the Student Athlete Advisory Committee, and LTU Collegiate DECA. He also tutors students in finance, accounting, economics, and general business in the Academic Achievement Center.

"Joshua is known by his pro-

fessors as being engaged both inside and beyond the classroom through participating in research projects," said Minakhi Jena, director of business programs in the College of Management. "He is eager to learn about finance and share his knowledge with others."

Master of Business Administration student Xinhui Huang was recognized for maintaining a 3.60 GPA while serving as a graduate research assistant, working closely with finance faculty on a research project studying various option-based investment strategies. He was also chosen for the Certified Management Accountant Scholarship Program through the Association of Accountants and Financial Professionals in Business. Huang plans to pursue a PhD in finance. □MR



Honorees Xinhui Huang (right) and Joshua Dirlam (second from right) at the ceremony honoring them. With this LTU group are (left) Howard Davis, executive director, corporate and foundation relations; (second from left) Minakhi Jena, director of business programs, College of Management; (fifth from left) Kristen DeVries, vice president, university advancement; and (fifth from right) Bahman Mirshab, dean of the College of Management.

Career event highlights student talent at Science and Technology Showcase

LTU students showed off their research expertise to more than 40 area employers at the inaugural Science and Technology Showcase, organized by LTU's Office of Career Services and Marburger STEM Center, as well as Oakland County's Medical Main Street biotech economic development program.

The fair focused on the University's unique blend of science, engineering, and business talent, including students from biomedical engineering, molecular and cell biology, and computer science.

Gerald W. Budd, president of Livonia-based Phoenix Imaging Inc., said the event was worthwhile for him.

"I met one young woman showing a project on tomato disease," said Budd, whose company sells machine vision inspection equipment and pharmaceutical testing gear. "I'm not interested in

tomato disease, but I did tell her she's doing microscopy and has the ability to do very meticulous work, and that I am interested in." In fact, Budd eventually hired that student, Katelyn Allen, BSMCB'17, as a laboratory technician.

Budd said he also attended the fair looking for computer science students – and they were there as well. George Terrell, a sophomore computer science major, showed a project analyzing the lyrics of Beatles songs written by Paul McCartney and John Lennon, to see if the words both men favored could determine which one of them really wrote a particular song.

"I got a bunch of business cards, so it was a good day," Terrell said.

Christina Diez, BSMCB'17, showed off her project to analyze two genes to identify differences in individual tolerances of the painkiller codeine and the blood

thinner warfarin. She said she talked to several potential employers as well.

"It was a good turnout," said Gerald LeCarpentier, chair of LTU's Department of Biomedical Engineering. "People from all over were talking to our BME folks and the life sciences folks. And we had some very good hands-on displays."

In one display, Aimee Tomlinson, BSBmE'17, showed off her development of a device to tell EMTs or others performing CPR how much pressure to put on a person's chest – not too little, which won't get oxygen into the lungs, and not too much, which can break a rib.

Sibrina Collins, executive director of LTU's Marburger STEM

Center, said she hopes the event grows in future years.

"The LTU students are really doing awesome research," Collins said. "This Science and Technology Showcase clearly demonstrates our university motto, 'Theory and Practice.' This was a great collaboration with the Marburger STEM Center, Career Services, and Medical Main Street to provide an informal setting for our science and biomedical engineering students to make key connections with employers. We absolutely plan to make this an annual event and draw more LTU students and industry partners."

□MR

Management, Career Services hold first 'Industry Night'

LTU's College of Management and the Office of Career Services held their first-ever Industry Night with local businesses in March, and about 30 employers attended.

College officials said the objectives of Industry Night were threefold:

- To introduce industry recruiters to LTU faculty, showcasing their expertise in a variety of disciplines, their teaching abilities and research capabilities, and the degree programs offered at the University.
- To introduce LTU students to the recruiters, showing how LTU students differ from those of other schools, thanks to the University's "Theory and Practice" method of instruction and its strong emphasis on global business, leadership training, and business communications.
- To acquaint local businesses with LTU's unique advantage as a school founded on and committed to the STEAM disciplines

– science, technology, engineering, architecture and design, and mathematics.

"Our students are prepared for internships and co-ops," College of Management Dean Bahman Mirshab said. "These businesses can entrust our students with projects that are vital to their organizations. These opportunities can enrich our students' classroom experience, and indirectly, these businesses can tap into our faculty expertise to boost their productivity."

Attendees at the event included major area businesses such as Quicken Loans, Eaton Corp., Kelly Services Inc., Credit Union One, Modis, and ImageSoft.

"Events such as these serve as a gateway to new opportunities for our management students as well as employers," said Peg Pierce, director of LTU's Office of Career Services. □MR



LTU students George Terrell and Christina Diez at LTU's first-ever Science and Technology Showcase.

LTU makes a 'STEMsation' at Sampson-Webber Leadership Academy

More than 50 parents and students attended STEMstation Night at Sampson-Webber Leadership Academy, a K-8 school within the Detroit Public Schools Community District. The event, held on May 18, was hosted in partnership with Lawrence Tech's Marburger STEM Center.

STEMsation Night was filled with hands-on interactive activities in six STEAM Stations – each with a different focus. The stations included robotics, design, engineering, mathematics, science, and 21st-century literacy. LTU students, representatives from the Detroit nonprofit EcoWorks, and Sampson-Webber students and teachers led the stations.

The primary focus of STEMsation Night was to expose and engage students and parents to the STEAM (science, technology, engineering, art and design, and mathematics) fields.

Kicking off the event, Marburger

STEM Center Director Sibrina Collins and Sampson-Webber Principal Karla Craig welcomed the parents and students.

"We are thrilled to partner with students, teachers, and parents at Sampson-Webber Leadership Academy, focusing on exposing and engaging young people to the STEAM disciplines," Collins said.

LTU's mascot, "Blue," also attended, engaging students and parents throughout the evening.

Three Sampson-Webber teachers – science teacher Lashon Clay, mathematics teacher Kevin Fells, and English language arts instructor Jacqueline Blakely led STEAM stations. Cynthia Turner, a junior mechanical engineering student at LTU, led a robotics activity, the "Balloon Scorpion Blaster," in which a Lego scorpion robot operated by a controller using Bluetooth technology pops a balloon.

Paul Goldsmith of EcoWorks,

an LTU and Sampson-Webber partner, led students in a construction activity to complete an additional seating platform for the Outdoor Classroom Project that was completed this summer.

John Peponis, a graduate student in LTU's Department of Biomedical Engineering, showed students the latest technology used to obtain an echocardiogram

to evaluate the human heart.

On the design side, Meaghan Markiewicz, MAR'17, STEM program associate in the Marburger STEM Center, led an architectural challenge to build a tower as tall as possible – and not eat the materials – using marshmallows and dry spaghetti.

LTU representatives also provided parents information about the Blue Devil Scholars Program, Robofest, and the 2017 Middle School Summer Camp for Sampson-Webber students.

□ SNC



Sibrina Collins, director of the Marburger STEM Center, with Blue and Sampson-Webber Principal Karla Craig.



A Sampson-Webber Leadership Academy student learns basic construction techniques from Paul Goldsmith of EcoWorks.

Marburger STEM Center reaches out at Belle Isle Science Festival

More than 3,200 parents and students attended the 2017 MSU Science Festival (Detroit Expo Day) at Belle Isle Park's Dossin Great Lakes Museum and Belle Isle Nature Zoo in April. The University's Marburger STEM Center was among the participants.

"The MSU Science Festival provides an opportunity to put STEM professionals in front of the community in a fun and informal setting," said Jena Baker-Calloway, lead organizer for the festival and director of the MSU Detroit Center.

During the event young people and families interacted with the various STEM stations. LTU's

Marburger STEM Center sponsored two stations in the Dossin Great Lakes Museum.

"The goals of the MSU Science Festival are very much aligned with the goals of the Marburger STEM Center," said Sibrina Collins, executive director of the center. "Central to the work we do is to expose young people to the STEM and design fields and help them understand how STEM shapes their daily experiences."

Collins led a hands-on robotics activity and Meaghan Markiewicz, MAR'17, Marburger STEM Center program associate, presented students with an architectural challenge. □ SNC

Photonics research advances at LTU

Jinjun Xia, senior lecturer in the Department of Electrical and Computer Engineering, and senior electrical and computer engineering major Ashley Julin have published a paper entitled "Polarization Enhanced Laser Speckle Contrast Imaging for Vascular Dynamic Study" in the

SPIE Digital Library, as part of the proceedings of the Dynamics and Fluctuations in Biomedical Photonics XIV conference. SPIE is the international society for the study of optics and photonics. The paper can be found at <http://dx.doi.org/10.1117/12.2249928>. □ MR

LTU hosts ASCE student conference, takes third in concrete canoe competition

LTU hosted about 300 students and faculty members from 10 universities in the Great Lakes region in early April for the American Society of Civil Engineers (ASCE) North Central Region Student Conference.

LTU student Lauren Gersch took first place in the event's first phase, an academic paper competition on engineering ethics.

Then, LTU and the other schools tested their building skills in the Steel Bridge Competition, sponsored by ASCE and the American Institute of Steel Construction. Teams build small steel bridges that cross a span and conform to predetermined specifications. Bridges are judged on how much weight they can

carry, how much they bend under load, as well as how much the bridges themselves weigh.

Student teams also built bowling balls and canoes out of advanced formulations of concrete. The canoes raced at Pontiac Lake State Recreation Area, where Lawrence Tech took third place overall, behind first place Michigan Tech and second place University of Michigan.

Other schools competing included Case Western Reserve University, Michigan State University, Ohio Northern University, the University of Detroit Mercy, the University of Toledo, Wayne State University, and Western Michigan University. □MR



Student teams prepare their concrete canoes for the competition.



The women's concrete canoe team is all smiles after a successful run on Pontiac Lake.



The full concrete canoe team.



The Steel Bridge Competition in the Ridler Field House.

College of Management launches online Graduate Certificate in Cybersecurity

Cybersecurity is a critical issue confronted by international, national, and local organizations, businesses, and industries, from healthcare, banking, and finance to transportation, retail, and government. The WannaCry ransomware attack is just the latest example.

In response, LTU's College of Management has launched an online Graduate Certificate in Cybersecurity to give students the skills and knowledge required by companies to combat the threats and attacks that endanger service delivery and profitability.

Cybersecurity is not only a technical issue, but also a management one. The 15-credit certificate is interdisciplinary, designed to attract students from diverse backgrounds who can pursue a combination of technical and

non-technical courses that can be customized to match their interests and skill sets. Course choices include networking infrastructure, network security, disaster recovery, business continuity, and countermeasures.

Cybersecurity focuses on protecting computers, networks, programs, and data from unintended or unauthorized access, change, or destruction.

The cybersecurity trade magazine CSO predicts a shortfall of 1.5 million people trained in cybersecurity by 2019. The U.S. Bureau of Labor Statistics predicts an 18 percent increase in the rate of growth for cybersecurity jobs by 2024, much faster than the average for all occupations. □MR

Engineering majors designing to help the disabled

LTU students in several programs spent the academic year designing novel devices to assist people with disabilities, on the job and in the home.

One group of students was from the Sophomore Entrepreneurial Engineering Design Studio, which requires students to solve a real-world problem using engineering skills. Last fall, they worked with the nonprofit Dearborn-based agency Services to Enhance Potential (STEP) and StoneCrest Behavioral Health Center in Detroit to develop products to help people with disabilities navigate the workplace.

STEP works to train and place people with disabilities in meaningful employment, and StoneCrest provides employment opportunities to STEP clients. The LTU students met with STEP clients, learned what they needed, and designed products to meet those needs.

Steve Slayton, STEP resource center director, said, "The relationship with Lawrence Tech has been rewarding on many levels. I could not be more impressed with every aspect of the University, from the campus to the faculty and most of all the students. The way the students were able to engage and analyze the needs of the people we serve has been truly inspiring. Many of the designs developed by

the students will not only improve the efficiency of our clients' work but also eliminate barriers that prevent them from performing new types of work. STEP looks forward to continuing this relationship with LTU for years to come."

One of the teams involved with the STEP projects wound up finishing third in the nation at the SourceAmerica Design Challenge, an engineering competition.



Students demonstrate their assistive cane for an audience of disabled veterans and medical staff at the John D. Dingell VA Medical Center in Detroit.

The students designed a device to help workers with dexterity issues assemble spray bottles with a single hand, reducing physical discomfort and stress.

Team leader Steven Graczyk, a mechanical engineering major, said of the competition: "It was nice to take what we learned in the classroom and apply it to real-world problems and actually see our work helping people. That's something as an engineer is good to see, the things you create helping people in the real world. It was also good to see other schools and how they were helping people with disabilities in the work force."

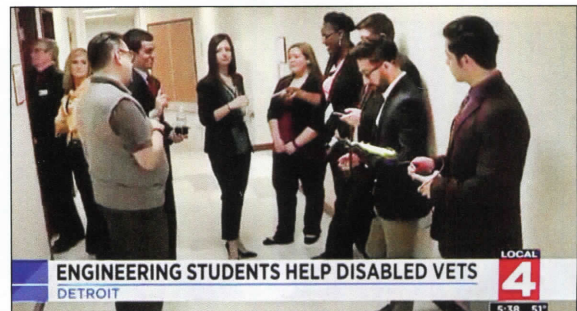
According to SourceAmerica Design Challenge Program Manager Charissa Garcia, the benefits of competing for students can be far-reaching. Past competitors have shared their experience

in job interviews and on college applications; others have patented their innovations.

In another project, Lawrence Tech biomedical engineering students worked with colleagues from the University of Detroit Mercy to design devices to address the needs of disabled veterans they interviewed. The designs were presented to the veterans in a program at the John D. Dingell VA Medical Center in Detroit.

The devices ranged from a cane with an integrated stirrup, meant to assist a veteran with multiple sclerosis in lifting his leg, to a wheelchair pad designed to prevent pressure ulcers (also known as bedsores).

Their efforts drew praise from the veterans, and the students said they intend to pursue commercial production of their devices. □MR



The effort to develop assistive technologies for the disabled drew local media coverage.

ENGINEERING STUDENTS HELP DISABLED VETS
DETROIT

Audio tech certificate added

The Department of Engineering Technology has added a new undergraduate Certificate in Audio Technology for students in the media communication program.

The certificate comprises 15 semester hours

of study in courses such as Music for Audio Engineering, Audio Principles, and Audio Senior Project. □MR



Lawrence Tech's Phono Lab is one of the places students learn about audio technology.



LTU claims third place in the SourceAmerica Design Challenge for assistive devices for the disabled.

Lawrence Tech ranked in top 50 for game design

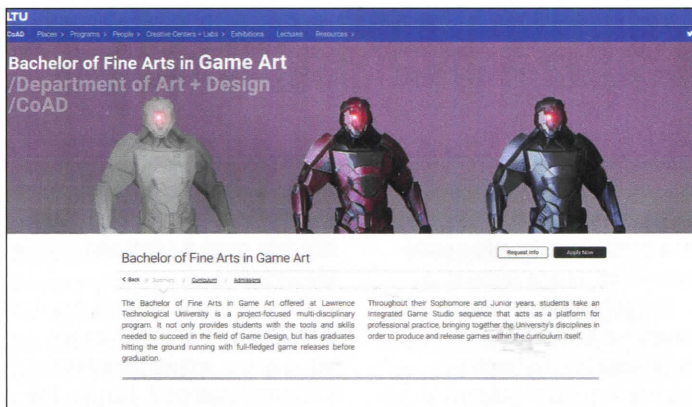
Lawrence Technological University has earned a No. 29 ranking on the Princeton Review's 2017 list saluting the top 50 undergraduate programs that teach game design. It was the second year LTU's program ranked in the top 50.

The Princeton Review (www.PrincetonReview.com) chose the schools based on a survey it conducted of 150 institutions offering game design coursework or degrees in the United States, Canada, and some countries abroad.

The company's 40-question survey asked schools to report on everything from their academic offerings and faculty credentials to

their graduates' starting salaries and employment experience.

"It is an honor being ranked among the best undergraduate programs in the world," said Marshall "Mars" Ashton, assistant professor in LTU's College of Architecture and Design and director of the Bachelor of Fine Arts in Game Art program. "Despite how young both the game art and game software development programs are, we have seen an incredible amount of progress as we contribute to the field at large and the development of the Michigan game development community." LTU officials say the program is unusual in that it com-



bines instruction in art and design and in computer science.

The Princeton Review developed its "Top Schools to Study Game Design" project in 2009 with assistance from a national advisory board that helped design the survey instrument and methodology. Board members included

Lawrence Tech's game art program combines the University's industry-leading design expertise with its long tradition in technology.

administrators and faculty from respected game design programs and professionals from some of the top gaming companies. □MR

Prof's shipping container project makes the front page

Steven Coy, assistant professor in the College of Architecture and Design, is working with a variety of nonprofits and Slows BBQ co-founder and LTU adjunct professor Phillip Cooley on a public use project in Detroit's Dequindre Cut – a former rail corridor – that makes use of shipping containers.

The containers provide easy, cheap, basic construction mate-

rial for a variety of needs – in this case, an 11-container development that will include a children's play area, shaded pavilions, a live entertainment venue, and a sales area for vendors of food and other products.

It's backed by \$300,000 in grants from Kresge Innovative Projects: Detroit, the Knight Cities Challenge, Detroit Riverfront

Conservancy, and a Philadelphia-based design group, Groundswell.

Coy's and Cooley's effort was part of a front-page roundup of Detroit shipping container projects in the April 27 *Detroit News*.

Cooley also co-founded the Detroit business incubator Ponyride, where students

from LTU and Detroit Western International High School work together on assembling the project's components. They also have design sessions together at LTU's Detroit Center for Design + Technology. □MR



Shipping container projects are big news these days, and LTU's architecture and design faculty and students are in on the trend.

GD&T workshop



LTU's Smart Manufacturing and Lean Systems Research Group hosted 80 participants in a Geometric Dimensioning & Tolerancing (GD&T) Workshop on campus in March. GD&T is often used to show tolerances on mechanical drawings, which helps to reduce costs. The speaker was John-Paul Belanger, president of Rochester Hills-based Geometric Learning Systems. The organizer was Ahad Ali, associate professor, director of LTU's Bachelor of Science in Industrial Engineering and Master of Science in Industrial Engineering programs, and director of the research group.

Architectural engineering student a finalist for prestigious fellowship

An LTU student was one of four national finalists in a competition with hundreds of other students for a prestigious traveling architecture and design fellowship.

Hadiel Mohilldean, MSAE'17, contended for the SOM Foundation 2017 Structural Engineering Travel Fellowship. Although she did not win, the foundation wrote Mohilldean that being one of four finalists was a significant achievement, and that "we hope you will regard this accomplishment with pride in having been selected as outstand-

ing among your peers ... The time and effort spent in preparing a worthy and thoughtful submission was most evident and appreciated."

The SOM Foundation is the charitable arm of the Chicago-based global architecture firm Skidmore, Owings & Merrill. The competition was open to students at accredited degree programs in civil or architectural engineering with a focus on structures.

Keith Kowalkowski, LTU associate professor and director of civil engineering graduate



Hadiel Mohilldean

programs, praised Mohilldean's "intellect and natural abilities in structural engineering." He added that Mohilldean "has some unique artistic qualities that are often absent in a technical mind."

Mohilldean's essay for the competition was also unique – a study of large wooden structures. In an era of steel and glass, Mohilldean noted that "wood uniquely offers both aesthetic and structure opportunities to building design not available in any other construction material," praising its "beauty, complexity, color, grain, and texture."

The essay covered the big picture of wood – three trillion trees covering 30 percent of the Earth's land, in 100,000 species – and the small advantages, noting that nobody hugs a column made of concrete. She also said the rise of engineered wood products allows wooden skyscrapers: "Recent innovations in engineered wood... allow timber to withstand larger design forces. This opens up new possibilities for more robust timber design expressing new achievements in form, height and span."

Mohilldean credited Kowalkowski, along with Ralph Nelson, associate professor in the College of Architecture and Design, and Robert W. Fletcher, professor of mechanical engineering, with giving "continuous support and feedback, giving me the best guidance" in the competition.

She chose to study wooden structures because buildings are a major contributor to carbon emissions – but wood is by definition a carbon sequester, storing a ton of CO₂ per cubic meter. "So that's why we need to re-evaluate our procedures, and that's why more and more people are looking at construction with engineered timber products."

Mohilldean will now be pursuing a master's degree in civil and environmental engineering. She is also working as a structural engineer at Ghafari Associates in Dearborn. □MR

Three more LTU students named University Innovation Fellows

Three LTU engineering students were named University Innovation Fellows in February, the third group to earn the designation. LTU's newest fellows are Leah Hall, Aneeka Patel, and Joe Pishek. Hall is majoring in biomedical engineering, while Patel and Pishek are majoring in industrial engineering.

The University Innovation Fellows program trains students to improve education in entrepreneurship, design thinking, and creativity at their schools. Fellows design innovation spaces, start entrepreneurship organizations, host experiential learning events, and work with faculty to develop new courses.

Run by Stanford University's Hasso Plattner Institute of Design, the program has trained 1,000 students at 185 schools since its inception.

Fellows are sponsored by faculty and administrators as individuals or teams and are selected through an application process twice annually. Following accep-

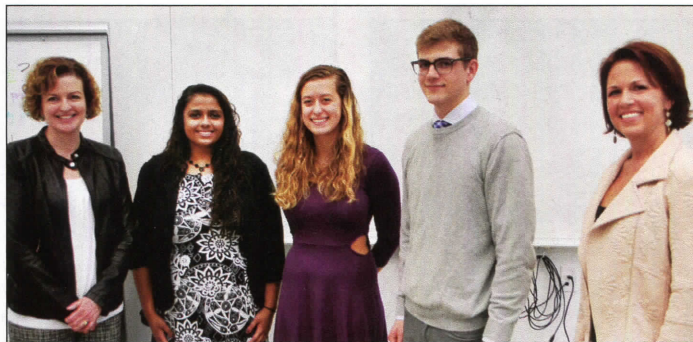
tance, students go through six weeks of online training and travel to an annual University Innovation Fellows Silicon Valley Meetup. Throughout the year, they take part in events and conferences and have opportunities to learn from one another, Stanford mentors, and leaders in academia and industry.

LTU's latest class of Innovation Fellows is proposing several steps to boost interdisciplinary project-based and leadership

learning at the University. They include encouraging students from non-engineering fields to become involved in an engineering design course that aims to improve employment prospects for the disabled; broadening LTU's existing leadership curriculum to include larger and more interdisciplinary community service projects; and expanding LTU's existing mentorship program for first-year students.

The latest cohort of LTU Innovation Fellows joins earlier fellows Leah Batty, Justin Becker, Steven Graczyk, Ashley Jordan, Sarah Makki, and Nada Saghir.

□MR



From left to right, Cristi Bell-Huff, director of the Lawrence Technological University Studio for Entrepreneurial Engineering Design (SEED); University Innovation Fellows Aneeka Patel, Leah Hall, and Joe Pishek; and Heidi Morano, SEED project engineer.

Management students named to business honor society

Nearly 50 College of Management students were inducted into the Delta Mu Delta international business honor society this spring. In a dinner program, Beth Chappell, outgoing president and CEO of the Detroit Economic Club, offered an inspiring message to the inductees, their guests and family members, and LTU faculty and staff.

Chappell urged the inductees to give their time, talent, and treasure to the community during their careers.

"When I was first starting out, I had student loans to repay, and I didn't have a lot of money to give to charity – but I had time," she said. "It's amazing how you can use your gifts and your skills to help other people. Be bigger than yourself. Be bigger than your career."

When it came to nonprofit involvement, Chappell also

advised the students: "Don't do anything because you want to meet people and advance your career... Do something that comes from your heart."

LTU President Virinder Moudgil also addressed the crowd, noting that wherever they may be in their careers, they will have an opportunity to "excel, change the world, be transformative."

He also encouraged the students to read and learn widely in philosophy, ethics, and economics, and to be sensitive to cultural differences in today's global economy.

Delta Mu Delta is a business honor society that recognizes academic excellence and encourages students to create a community that fosters the well-being of its individual members and the business community. This year was LTU's fourth annual induction ceremony.

Delta Mu Delta members inducted were:

Doctoral Gerald Storey

Graduate
Sanad Affara, Fatimah Mohammad A. Alomair, Lisa Anderson, Neha Bibireddy, Brian Blassic, Patrick Bostick, Paul Coles, Yolanda Dewberry, Mary Evarts, Michael Fraley, John Gates, Jennifer Gonzalez, Ramya Priya Gundala, Georgeta Hirceaga, Rahul Jakkam Chandrashekar, Casey Johnson, Michael Kaplan, Mark Kohls, Jonathan LaRue, Xi Li, Kathleen Lytle, Rahul Mamindia, Charles

Mausoff, Sagar Naik, Aishwarya Narasimhan, Christopher Orr, Naga Udaya Deepthi Parupudi, Andrea Prendi, Stephanie Saez-Jovane, Anne Schwartz, Michael St. John, Jiayi Sun, Neil Thomas, Sashi Velnati, Naga Durga Sravani Yelamarthi.

Undergraduate
Ekram Mohammad A. Adam, Lama Alabdulgader, Theresa Coward, Joshua Dirlam, Tanner Flint, Jan Frederik Horstkoetter, Kirk Markowski, Carolyn McCullen, Collin Peters, Christian Souvenir, Amanda Steinbis, Mashia Tate. □MR

Ascension Michigan chief operating officer named to Board of Trustees

Jean M. Meyer, COO of Ascension Michigan, has been named to the University's Board of Trustees.

"Ms. Meyer's expertise in health care will be an invaluable addition to the Lawrence Tech board as we seek to expand our educational offerings in the life sciences, including our recent addition of a Bachelor of Science in Nursing degree," LTU President Virinder Moudgil said.

Meyer has more than 25 years of experience in health care, including front-line patient care experience as a nurse and senior leadership experience in large health systems. As president and CEO of St. John Providence, she led a health system with \$2 billion in annual revenue, which has six major hospitals in the Detroit area and more than 125 urgent care, rehabilitation, primary care, and other health care locations throughout the region.

Meyer earned a bachelor's degree in public health education from the University of Wisconsin – La Crosse, and bachelor's and master's degrees in nursing from Loyola University of Chicago. Prior to her appointment as CEO, she was president of acute care

operations and executive vice president at St. John Providence, and previously president of Providence Park Hospital in Novi, senior vice president of patient care and chief nursing officer of St. John Providence, and COO and chief nursing officer at St. Vincent Hospital in Indianapolis, where she spent 15 years in a variety of leadership roles.

Meyer was named one of the 100 Most Influential Women in Michigan in 2016 by Crain's Detroit Business. She serves on several other boards, including the Detroit Regional Chamber, Oakland Family Services, and the Greater Detroit Health Council.

In November, Lawrence Tech and St. John Providence established a bachelor's degree program in nursing. The program will enroll an initial cohort of 32 students for the Fall 2017 semester, with classroom instruction on LTU's Southfield campus and clinical and laboratory instruction at six St. John Providence hospital locations in metro Detroit. □MR



Jean Meyer



The newest members of Delta Mu Delta at the induction ceremony.



Beth Chappell, outgoing president and CEO of the Detroit Economic Club, delivers her remarks to the honorees.

University Advancement powers up

The Office of University Advancement has named four new staffers who seek to foster LTU's mission of providing education based on "Theory and Practice" through philanthropy.

Avram Kluger, senior major gifts officer. Kluger engages Lawrence Tech's friends by fostering knowledge about and connections with the University community to advance philanthropic support. Kluger was previously executive director of Keshet, an Ann Arbor-based Hebrew language and cultural immersion program for high school students in partnership with the Ann Arbor Public Schools. Earlier, he was major gifts officer at Starr Commonwealth, a boarding school for at-risk youth in Albion, and campaign director of the Jewish Federation of Ann Arbor. He holds a Bachelor of Arts in political science and economics from the State University of New York at Plattsburgh and a Master of Public Administration from New York University.



what is now known as EcoWorks in Detroit, and events director at Metro Parent Publishing Group in Ferndale. She studied urban studies at Wayne State University and has a certificate in nonprofit management from the Kellogg School of Management at Northwestern University.

Brooke Franklin, corporate and foundations officer. Franklin works to establish long-term partnerships, strengthen existing relationships, initiate new contacts in the corporate sector, and assist in providing strategic direction for the advancement of LTU. She has a background in both the corporate world and education, including positions as an elementary school teacher, regional director and director of outreach development at the Michigan Association of Public School Academies, and a project manager in the education and talent division of the Detroit Regional Chamber. She also developed the business corps program for the Detroit Public Schools. Franklin earned a bachelor's degree in communication from Central State University in Wilberforce, Ohio, and studied educational leadership as a graduate student at Central Michigan University.



Lisa M. Grace, major gifts officer. Grace supports the development of organizational relationships while managing a philanthropic gifts program that advances the University's fundraising and outreach objectives. Grace was formerly deputy director of the Grandmont Rosedale Development Corp. in Detroit, where she managed finances and fundraising activities, supervised administrative staff, and oversaw communications and human resources. Earlier, she was development director and energy education administrator at



Quentin Davis, development associate. Davis provides support to the advancement staff. Specific areas of assistance include major and planned giving and the annual fund. Davis was previously project manager at Nonprofit Enterprise at Work, an Ann Arbor provider of consulting, training, and other resources for nonprofits. Earlier,



he was a community relations intern for the Detroit Lions and a graduate assistant and coordinator in the Office of Diversity Education at Central Michigan University. He holds a Bachelor of Applied Arts in Sports Studies and a Master of Science in Administration, Philanthropy, and Fundraising, both from CMU.

"These exceptional profession-

als each have an infectious passion for the power of philanthropy to transform higher education," said Kristen DeVries, vice president of university advancement. "They have chosen an auspicious time in LTU's history to come on board to inspire and engage students, faculty, staff, and alumni in building an even brighter future."

□MR

Stavros named 'Phenomenal Woman' of faculty

Jacqueline M. Stavros has been named the 2017 recipient of the Phenomenal Woman Award for faculty.

The award is given to a role model for women through leadership, spirit, and dedication. The award was presented at the annual Phenomenal Woman's Brunch in April, which was keynoted by Sibrina Collins, executive director of LTU's Marburger STEM Center.

The event also featured awards for administrators, staff, and students.

Stavros has more than 25 years of international experience in leadership, strategy, strategic planning, organizational development and change, and marketing. She joined LTU as an adjunct professor in 1997 and joined the faculty full time in 2000.

Her research interests are focused on the positive theories and practices of organization

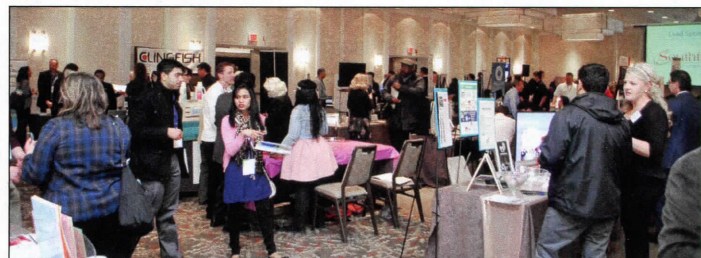
development and change, strategy, effective leadership, sustainability, and appreciative approaches to inquiry, relationship building, and social construction. She has co-authored six books and 20 book chapters and 29 articles. She earned a Bachelor of Arts in marketing from Wayne State University, an MBA with a concentration in international business from Michigan State University, and a Doctorate of Management from Weatherhead School of Management at Case Western Reserve University.

She has worked with clients on strategic business challenges in North America, Europe, Australia, and Asia, and has delivered more than 70 invited presentations.

□MR



ACE



Lawrence Tech and its Collaboratory business incubator were among the sponsors of the annual Collaboration for Entrepreneurship, an event held at the Westin Southfield that promotes business formation in Michigan.

Lions' stadium refresh: Color it LTU blue

As the Detroit Lions reveal their \$100 million renovation of Ford Field for the 2017 NFL season, they'll no doubt be wearing their usual Honolulu blue.

But the renovation project itself has a slightly different hue. Lawrence Technological University Blue Devil blue, to be exact. No less than eight LTU alumni are working on the project for ROSSETTI, the Detroit-based architectural design and planning firm. ROSSETTI, which specializes in the design of stadiums, arenas, and entertainment venues, was the architect of the original stadium in 2002, and is overseeing the renovation.

Working on the project are David Andruccioli, BSAr'77; Allison McCarty, BSAr'05; Samantha Smigelski, BSAr'10; John Bigtacion, BSAr'11; Adam Hoane, BSAr'11; Joe Donelko, BSAr'12; Brendon Veldboom, BSAr'16; and Andreea Vasile-Hoxha, BSAr'17.

The project includes new, 152-foot-long video boards, an improved sound system, improved

internet connectivity, and a complete renovation of Ford Field's suites, restaurants, and gathering places.

The north side of the stadium is designed in mid-century modern style, with influences from Detroit's auto industry giants. The south side renovations celebrate Detroit's traditions, taking its styling cues from the former Hudson's department store warehouse that Ford Field was built around.

One new bar, the 200-seat Lounge, is 6,800 square feet in size and inspired by Detroit's underground music scene. Its centerpiece: a 48-foot-long bar with two chef's tables.

Another new venue, the 275-seat Corner Bar, is inspired by the neighborhood watering holes around the Lions' original home, Briggs (later Tiger) Stadium. It includes a collection of Lions memorabilia.

Suites on the north side of the stadium are connected to a lounge called the Terrace Club. A 106-seat Grid-Iron Club focuses on food.



A rendering of the new Grid-Iron Club at Ford Field.

Elsewhere, "loge boxes" feature large, comfortable seating. Other suites have been renovated in one of two themes – the Red Zone, featuring natural materials and luxury fabrics, and the 20s Suites, which boast wood flooring and improved audio and video gear. A new South Club transforms several suites into a club with large open spaces and an expansive view of game action.

Recently, five of the eight alumni involved discussed their roles on the project.

Smigelski said she assisted the project manager on the massive build, filling in where she didn't have time and "making sure our

consultants were meeting client expectations."

Hoane said that as a technical designer, he helped produce construction documents for the stadium's 100-plus suites.

Vasile-Hoxha, who's headed for graduate school in landscape architecture at Harvard, said that "as an intern, I was able to work on the project from the early stages of design, and I was also on the technical team. Jumping back and forth between the two sides was a really good experience."

Bigtacion said he worked on early design, then was able to personally "design a few spaces, including the Corner Bar and a few retail spaces, so I got to freewheel a little."

Veldboom and Bigtacion added they were able to produce custom furniture pieces for some of the suites.

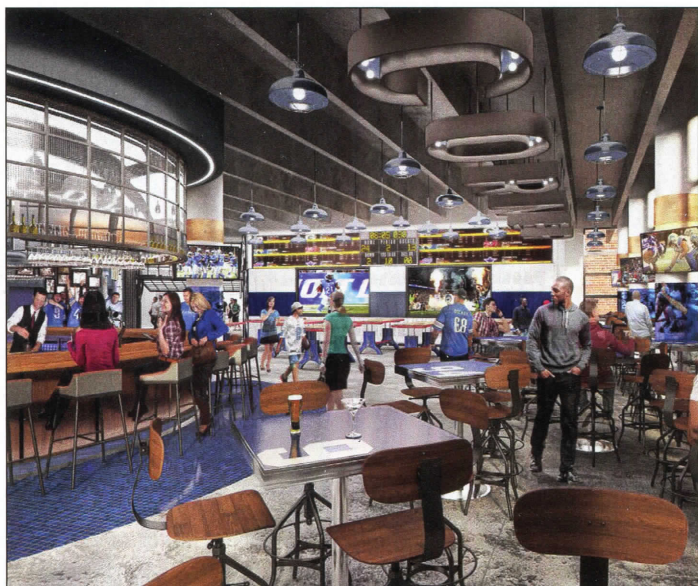
All five said they believe their LTU education helped them fit into the culture at ROSSETTI.

"This firm has a very studio feel to it," Bigtacion said. "Just the culture that we have, the camaraderie, the open feel of it reminds

Continued

From left to right are LTU alumni Brendon Veldboom, Andreea Vasile-Hoxha, Samantha Smigelski, Adam Hoane, and John Bigtacion, all of whom worked on the Ford Field project.





me of being at Lawrence Tech, and sitting in studio and being able to bounce ideas off your neighbors.”

Smigelski spoke for several of her peers about that culture, and how LTU got her there: “They are willing to work with you here on whatever your interests are, not just what you’re already good at. If you say, ‘I want to learn something I have never done,’ they will coach you through that. At LTU, the leadership opportunities, the student organizations, working for housing, all of that taught me social skills that made me a better leader and more marketable.”

The new Corner Bar at Ford Field.

Vasile-Hoxha and Bigtacion also mentioned working in LTU’s makeLab as an important part of their career preparation.

Veldboom pointed out that ROSSETTI has been involved in some of the world’s most famous entertainment venues. “Sports and entertainment – it doesn’t get much cooler than that in the world of design,” he said. “What makes me want to stay is that you can’t do cookie-cutter work. You have to be innovative, constantly pushing, and trying to learn more. That ties into LTU – whenever you’re in studio, it’s not like a math class where there is a right answer. There is constant exploration. LTU is good preparation.” □MR

Business grad hooping it up as Canadian team owner

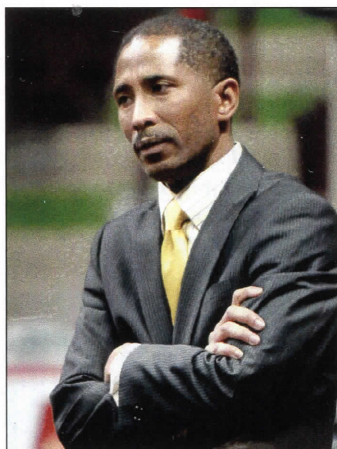
Hockey may be Canada’s national sport, but a Lawrence Tech alumnus wants to start putting a basketball in every Canadian child’s hands along with the hockey gear. Dartis Willis, CIMBA’01, owns the Windsor Express, that city’s team in the National Basketball League (NBL) of Canada.

Willis said he was asked to review the league’s business plan six years ago by a friend. He says he liked the league’s prospects so much that he plunked down the franchise fee to start a team, once he saw that Windsor was an available market.

“Like a lot of kids in Detroit, I grew up spending a lot of time in Windsor,” Willis said. “So it was a no-brainer for me.”

The Express has won the NBL title two of the league’s six years in existence.

“We brought Windsor its first professional sports title,” Willis noted. The team, named after an expression for the Underground Railroad that transported runaway slaves from the antebellum South



Dartis Willis

to freedom in Canada, draws about 2,000 fans a game to WFCU Centre in Windsor. This year, the Express finished the regular season 22–18 and made it to the semifinals of the playoffs before being knocked out by the London Lightning, a team that went 35–5 during the regular season.

Willis likened the quality of play to the NBA Development League, or D-League, the National Basketball Association’s official

minor league organization. “Most of our kids played Division I college ball,” Willis said. “I’ve got a coach and two assistants who have NBA experience.”

Willis, a Detroit native, earned an associate degree in engineering from Wilberforce University and a BA in public administration from Wayne State University before attending LTU. His career included positions in training and development at Lear Corp. and Eaton before starting his own consulting firm.

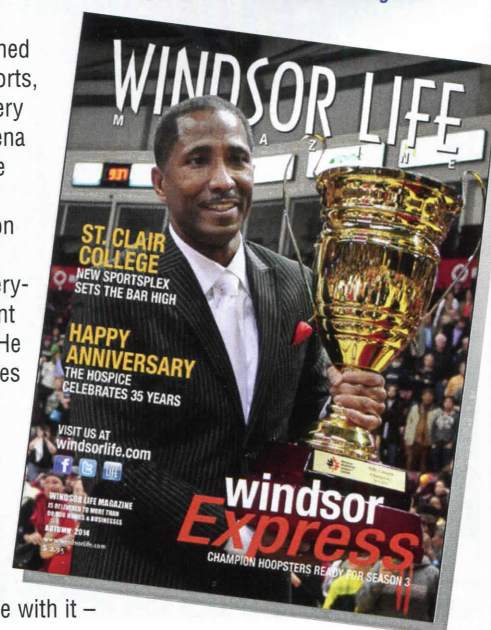
Willis says he’s learned that in professional sports, no matter the level, every minute spent in the arena must grab and hold the fans’ attention.

“It’s entertainment on top of the basketball,” Willis said. “We do everything with entertainment that the big guys do.” He also said he now realizes “just how many lives you touch with professional sports. You give the players the opportunity to make money doing what they love. But there are so many other careers that come with it –

sales, marketing, media, the arts. They’re all so happy to be a part of this league, and you know you are touching a lot of lives, and it’s special.”

Willis credited his business education at LTU with preparing him to own a sports team: “Everything I was taught at LTU and in my business career, I am putting to use.” □MR

Dartis Willis on the cover of a 2014 edition of Windsor Life Magazine.



This Blue Devil helped design the Demon

The Dodge Challenger SRT Demon will be the fastest production car in history when it goes on sale this fall.

And its development is being led by a Blue Devil, Jim Wilder, BSME'94, who is vehicle development manager on the project for FCA US LLC.

How powerful is the Demon? Try 840 hp on 100-octane gas, and a mere 808 hp with 91-octane gas station premium. Try 0 to 60 in 2.3 seconds. Try 9.65 seconds in the quarter mile.

The Demon is the latest chapter in a lifelong love affair with fast cars for Wilder.

Wilder said he picked LTU for college because he wanted a smaller school, and "I knew I wanted to go into automotive, and it's a good school for that." After attending part-time and working part-time his first two years, he received a full scholarship his last two-and-a-half years. He was leader of the SAE Baja competition team his senior year.

Wilder spent time at Lear Corp. and a year on a Cosworth team developing a turbocharged Ford Escort before joining Chrysler in 1996. He's always been involved in the company's fast cars – the Dodge Neon SRT4 in the early 2000s, and later the Chrysler 300, Dodge Charger and Magnum SRT8s, Caliber SRT4, the second generation Chrysler 300 and Dodge Charger SRTs, and most recently the 707-hp Dodge Challenger SRT Hellcat.

"The Hellcat is a beast, it's fast, but this thing, the Demon, really takes it to another level," Wilder said. "We changed a lot on the car (from the Hellcat), we left no stone unturned – we did whatever we could do to make it faster. We looked at every part to see if we could get rid of something to save weight. While being the fastest

production car on the planet, the Demon can be easily driven safely on the street too – so owners can drive the car to the track, race all day, and then drive it home."

Wilder's work on the project involved "a tremendous amount of track testing with the car, hundreds and hundreds of passes on a drag strip, making sure every part of the car works properly, every piece of equipment that would affect the performance of the car is right... Before that, we were working hand in hand at some of the highest levels of the company, figuring out the content of the car, making sure all the bits and pieces came together correctly."

Production of the Demon is to start this fall. The vehicle will come from the factory with one seat, since Dodge figures most of the 3,300 Demons to be built this model year will spend their time on the drag strip. But Dodge is offering a passenger seat as a \$1 option, and a back seat as another \$1 option, which "essentially makes it the interior of a Challenger, a car you can get with a V-6."

Also like the family version of



IMAGE COURTESY FCA – NORTH AMERICA

the Challenger, the Demon will have an automatic transmission – "a ZF eight-speed automatic," Wilder said. "We talked about doing a manual, but 98 percent of drag cars nowadays are automatics. Today's automatics are so good there's no real reason to do a manual. And it's quicker with an automatic."

"Despite its power, the Demon is not a big gas-guzzler. Wilder says he drove one recently to a dragstrip and got a respectable 19.5 mpg at freeway speeds.

Wilder has been driving to dragstrips for a long time. He's been racing since he was 21.

Here's how it started: "When I went to Lawrence Tech, my sister went away to college, so my dad said, since you're saving me money by not having to pay for room and board, I'll buy you a car

The Dodge Demon.

to commute to school. We wound up buying a '65 Plymouth Satellite. That was going to be my back and forth to school car, at least in nice weather. But it very quickly turned into a father-son race car project – an eight point roll cage and a big block Chrysler in it. We raced that car until 1999, and we still have it."

Wilder said he's hardly alone having a racing background on the Demon team: "Quite a few of us are drag racers or fans. Being able to take what you like to do in your personal life and bring it into your job, that's pretty special, pretty awesome."

The price of the car hasn't yet been announced, but Dodge officials have said it'll be under \$100,000.

There's even a part of the vehicle named after Wilder – its steering wheel, dubbed the Wild Wheel.

The way Wilder recalls it, Tim Juniskis, head of passenger car brands for FCA – North America, told him if he could get the car under 10 seconds in the quarter mile, he could have the Demon's steering wheel covered in the high-end synthetic material Alcantara rather than leather.

Done. And now that wheel carries part of Wilder's last name.

□MR

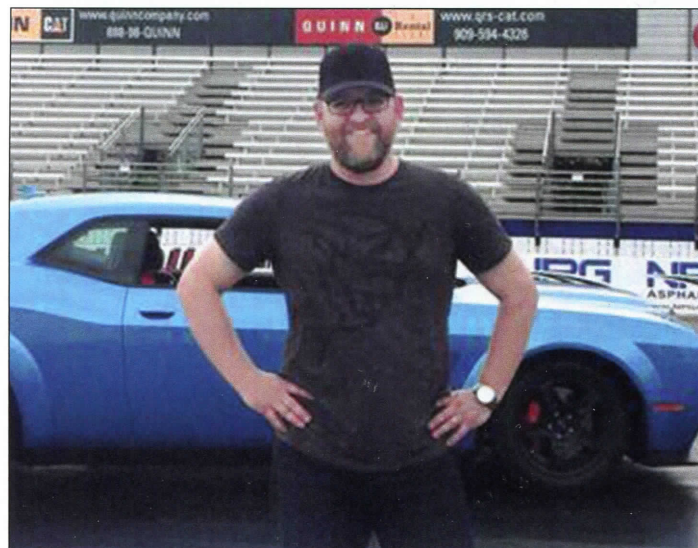


IMAGE COURTESY FCA – NORTH AMERICA

Jim Wilder with one of his babies.

Albion city manager returns to keynote Management Alumni Week

Sheryl L. Mitchell, DBA'14, returned to campus as keynote speaker for the College of Management's Alumni Week in spring 2017.

While it might not seem intuitive, Mitchell says a doctorate in business administration from LTU was the perfect extension of her long career in public service.

At LTU, Mitchell spoke about the advantages of teamwork and the cohort environment of LTU's graduate business programs. She also mentioned that a school counselor once tried to talk her out of government work in favor of teaching or nursing, "more traditional career paths for women at that time."

Mitchell told the LTU students "not to let anyone else tell you where you might go, but carve your own path."

Before beginning her doctoral studies, Mitchell had worked as

a senior analyst for the Oakland County Board of Commissioners for 15 years and as a staffer for Detroit City Councilman Mel Ravitz for 13 years. She had already earned a bachelor's degree in political science from the University of Michigan-Dearborn and a master's degree in public administration from Central Michigan University.

Mitchell said she was attracted to the LTU doctorate because of its cohort program, which has students working in teams. "That really prepares you for the reality of work in many organizations now, where you no longer work as an individual in isolation," Mitchell said. The degree would also let her consider more career options, such as teaching, becoming a researcher, or continuing in government service.

Mitchell called the LTU learning experience "phenomenal,"



Sheryl L. Mitchell

singling out DBA program director Jacqueline Stavros as a major influence.

"Gaining a level of expertise in the area of positive organizational leadership and change has been such an asset in my professional life," Mitchell said. She also earned the Lawrence Tech Alumni Association's Ed Donley Distinguished Graduate Award in 2014.

A few months after graduating from LTU, Mitchell was named city manager of Albion, a city of 8,000 people in mid-Michigan.

Beset by declining revenue and population after the shutdown of several major employers, the city is experiencing a downtown resurgence, spurred by the efforts of city government, local business, and Albion College.

"Although Albion has experienced declining revenues for nearly 10 years, it is because of our partnerships with public, private, and community organizations that we have many new initiatives that keep moving Albion along in a positive direction," Mitchell said. "My research revolved around civic engagement – the intentional process of including the voices in the community in identifying the priorities of government budgeting decisions. The LTU educational training continues to positively influence my ability to serve as a government leader."

Mitchell said she's most interested in finding ways to give the public a greater voice earlier in the budget process. To her thinking, citizen input should be sought earlier and with regularity. □MR

Chaldean Chamber names Saroki its Business Person of the Year

Victor Saroki, BSAr'79, BA'80, was honored with the Business Person of the Year award at the Chaldean American Chamber of Commerce's 14th annual awards dinner, held April 28 at the Shenandoah Country Club in West Bloomfield Township. Nearly 900 civic, business, and community leaders attended the gala event.

Saroki is president of Saroki Architecture, an architecture and interiors firm in Birmingham that he founded in 1983 with his wife, Michelle.

Saroki was admitted to the College of Fellows of the American Institute of Architects in 2000.

His firm has earned more than 60 design awards, including the AIA Michigan Firm of the Year in 2007. He was also the Birmingham Bloomfield Chamber Business Person of the Year in 2000, recipient of the Distinguished Architecture Alumni Award from Lawrence Technological University in 1998, and Young Architect of the Year from AIA Detroit in 1994. He received an honorary LTU doctorate of architecture in 2008.

The works of Saroki and his firm include the Royal Park Hotel in Rochester, the Birmingham Theater, ABC Harley Davison, Tribute Restaurant, Shenandoah

Country Club, Plum Markets, and The District Luxury Living.

Saroki currently serves on the LTU Board of Trustees and is past president of AIA Michigan and AIA Detroit. He also serves on the board of directors for the Chaldean Community Cultural Center.

Saroki has been an invited speaker and a juror at LTU, the University of Michigan, University of Detroit Mercy, Cranbrook Academy of Arts, Birmingham Bloomfield Art Center, and the Michigan Design Center. He has participated in many AIA juries, including the National Interiors Jury. As part of the National AIA program, he chaired the AIA Detroit 150-year "Blueprint for America" committee and is the Regional College of Fellows



Victor Saroki

representative for the national committee. Saroki also has served as a past board member with America's Thanksgiving Parade, Birmingham Community House, and Birmingham YMCA. □MR

LTU grad getting a kick out of 'Le Rouge'

Phil Lucas, BSChB'12, has been a soccer fan since childhood. He played for LTU – and then went to work for the University as student engagement programs coordinator, and as liaison between LTU and the City of Southfield.

Now, Lucas's love for what the world calls "the beautiful game" has taken his career in a new direction, as the first-ever community liaison for the Detroit City Football Club (DCFC), a minor league soccer team founded in 2012 that plays in the National Premier Soccer League. The team is nicknamed "Le Rouge," after the team's colors, the city's French roots, and the River Rouge. DCFC plays its home matches at Hamtramck's historic Keyworth Stadium, routinely selling out and drawing more than 7,000 rabid fans. Lucas has been a season ticket holder since the team's inception.

The transition from a fan to the front office was a natural for Lucas, who played soccer growing up in Monroe, Michigan. His fam-

ily hosted a German exchange student while he was in high school, and he now frequently travels to Europe to visit soccer stadiums and research fan culture.

At DCFC, Lucas is responsible for growing Le Rouge's presence in the community through outreach and relationship building, including managing the adult recreational Detroit City Futbol League. This league has games

Tuesday and Thursday nights throughout the City of Detroit.

A recent visit to

Iceland involved touring stadiums and learning about the "Viking Thunder Clap." Iceland's passionate fans popularized this global mainstream chant even though they have only 300,000 residents.

Detroit City FC fans bring passion to their match days in Hamtramck with their own march, chants, banners, flags, and dances. "I've attended professional matches in Olympic stadiums and small-town tournaments," Lucas added. "The DCFC experience is so electric."

Fans also back the team with

their dollars. The team raised nearly \$750,000 in the largest crowdfunding campaign in Michigan history to rebuild Keyworth Stadium, which opened originally in 1936 with a visit by President Franklin D. Roosevelt.

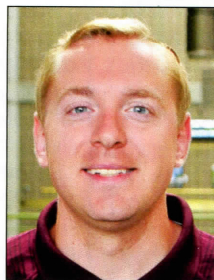
This spring, team owners announced they're seeking investors who could provide the cash needed to become a pro club. Billionaires Dan Gilbert and Tom Gores have announced their intent to bring a team in the nation's top league – Major League Soccer – to Detroit by 2020.

Thus, exactly where Le Rouge will end up is still up in the air, and Lucas says he's happy to contribute and build a positive soccer culture in the community. After all, the team's motto is "Passion for Our City. Passion for the Game."

"Detroit City FC has spurred revitalization of our region and brings people together like no other experience," Lucas said.

"I'm humbled to continue building soccer the right way in Detroit."

□MR



Phil Lucas



Photo by Jon DeBoer, BFA'11, Detroit City Football Club

Fans of the Detroit City Football Club are known for their passion – boisterous songs, cheers, and even smoke in the team's colors wafting through the stands.

A bold new look

The Blue Devil Motorsports trailer has a bold new look, meaning LTU students will arrive looking just as fast as they are on the track. The new trailer art was supported by a generous contribution from Ken, BSME'78, and Margaret Grezlik. The trailer was designed by transportation design student Aras Puodziunas with LTU Art Director Sofia Lulgjuraj.



Alumni Notes

Alumni Notes includes news gathered from alumni, their families, and friends, and media reports. Submissions received after the deadline for this issue will be published in the winter 2017–18 issue. Use the form in this section to share news about you and alumni you know!

1954–1982

John V. Yanik, BSArE'54, professor emeritus in the School of Architecture and Planning at the Catholic University of America in Washington, D.C., has written a new book called *Architecture In the Names of My Fathers*. The 110-page book includes many color pictures and discusses his growing up in Detroit, attending LTU, his love of architecture, and the difficulties that must be overcome in the field. He shares his experiences with architects Frank Lloyd Wright, Minoru Yamasaki, Paul Rudolph, the Albert Kahn office, and Louis I. Kahn. He also recounts the five-year effort he led to save and rehabilitate Catholic University's 1919 gymnasium as a new home for his school. John's book is available through Barnes & Noble and Amazon.

Gene D. Dickirson, BSME'73, PE, received the outstanding leadership award from the Engineering Society of Detroit for his role in mentoring and judging grade school and high school engineering competitions over the past several years. Gene retired from Ford Motor product engineering in 1998 and now owns Gene Dickirson Engineering in Plymouth. He is a member of the Presidents Club for lifetime giving at Lawrence Tech.

Robert Piatek, BSAr'73, BA'r77, is director of the Detroit office of HKS Architects. In an interview with the Birmingham Eccentric, Bob discussed the potential for Detroit and its suburbs to re-use old buildings, particularly those built in the 1920s, '30s, and '40s, for new purposes. "They're going to stand forever," he said. "It's just gutting them and making them work."

James J. Connor, BSIM'74, is managing director of Alderney Advisors LLC, a business advisory firm in Southfield, where he oversees a range of executive-level strategic, financial, and operational services for clients. Jim was formerly president and CEO of Tecumseh Products Co., where he oversaw 7,400 employees at 17 manufacturing facilities.

Steven J. Susick, BSME'79, PE, is vice president of operations at The Mosaic Co. Based in Lithia, FL, Mosaic produces and markets concentrated phosphate and potash for agricultural use, employing nearly 9,000 people in six countries. Steve is working on construction of a new plant for a joint venture in Saudi Arabia.



Larry Lawson, BSEE'80, president and CEO of Spirit AeroSystems in Wichita, KS, received the Stop Diabetes Volunteer Leadership Give

Award from the American Diabetes Association in recognition of his outstanding leadership in raising money for research, including an unprecedented \$400,000 in Wichita. Larry is an Alumni Achievement Award winner and College of Engineering Hall of Fame honoree, both in 2012, and a former member of the Lawrence Tech Board of Trustees. He is a member of the 1932 Society for lifetime giving.

1981–2000

Michael A. Neville, BSAr'82, FAIA, was inducted into the American Institute of Architects (AIA) College of Fellows.

Douglas DelGrosso, BSME'84, is CEO of Chassis Inc., a precision chassis casting and machining company in Southfield. He also serves on the company's board of directors. Douglas was formerly president and CEO of Henniges Automotive Inc. in Auburn Hills. He is a former member of the Lawrence Tech Board of Trustees and a member of the Benefactors Society for lifetime giving. In 2001 he received a National Philanthropy Volunteer Award.

Nicholas Salowich III, BSAr'85, AIA, is the new science and technology studio leader at the Detroit office of SmithGroupJJR, one of the nation's largest architecture, engineering, and planning firms. He was previously the firm's project manager, focusing on the development and management of complex architectural projects, including the University of Michigan Ford Nuclear Reactor Building renovation in Ann Arbor.

Jack Shubitowski, BSBA'86, president and CEO of Huron Valley State Bank, based in Livingston County, was honored as the Huron Valley Chamber of Commerce Citizen of the Year for 2016 in recognition of his work with several organizations and programs aimed at children and teens. Jack is a member of the College of Management Board of Advisors at Lawrence Tech.

Jeff Lemmer, BSMCS'87, was appointed vice president and chief operating officer of information technology at Ford Motor Co., effective June 1. At the same time, he also was elected a Ford Motor Co. officer. In this role, Jeff is responsible for automotive-related application development and running the day-to-day operations, including networks, data centers, and employee collaboration tools. He reports to Marcy Klevorn, Ford executive vice president and president, Mobility, a member of the LTU Board of Trustees. He began his career at Ford in 1987 in systems programming for parts and service warranty.

John J. Sammut, BSEE'88, BSBA'88, is president and CEO of Grand Rapids-based Firstronic LLC, a provider of manufacturing and supply chain services for the electronics industry. The company received a 2016 IndustryWeek Best Plant award at the 2017 IW Manufacturing & Technology Conference & Expo in Cleveland. John is a 2007 Alumni Achievement Award winner, a former member of LTU's Alumni Association board, and a member of the E. George Lawrence Society for lifetime giving.



Donna L. Bell, BSEE'89, the global product development quality manager for electrical systems at Ford Motor Co., received the 2017

Women of Excellence Award from the Michigan Chronicle. Donna is former president of the Lawrence Tech Alumni Association and a member of the National Society of Black Engineers. She also serves as chairperson for Ford's African Ancestry Network and as a member of Ford's Women in Engineering where she mentors aspiring engineers and leaders.

Victor Allen, BSBA'90, MBA'95, is an adjunct faculty member in Lawrence Tech's College of Management and co-author, with Ron May, of the new book *Project Management for Experienced Project Managers*.

Timothy Bowles, BSIM'90, is senior vice president of corporate planning for American Axle & Manufacturing (AAM) in Detroit. He was previously CEO and president of Transtar Corp. and executive officer and president of Commercial Truck at Meritor Inc. In his new position, he will support AAM's business development initiatives.

Jeffrey Ruiz, AEET'90, is the onsite healthcare technology manager at Holland Hospital in western Michigan. He is also an adjunct professor of biomedical electronics technology at Muskegon Community College.

George "Buddy" Huyler, BSAr'91, is senior project manager with a specialty in serving education clients at the Kalamazoo office of TowerPinkster, an architecture and engineering firm.

Robert Jordan, BSAr'92, is director of architecture and interiors at Ghafari Associates in Dearborn. He was previously a principal and director of architecture at Sidock Group.

Patrick Williams, BSBA'92, a commercial sales manager with a Tier 1 automotive supplier, was elected Canton Township supervisor after serving two terms as a township trustee. Pat was inducted into the Canton Hall of Fame in 2013 for his community involvement and is active in the Canton Commission for Culture, Arts and Heritage.

Alexander J. Adler, BSAr'95, MAR'03, AIA, joined the architectural team at the Bloomfield Hills office of TMP Architecture Inc. Alex brings more than 20 years of experience to the firm.

Joseph R. Sprangel, Jr., AMET'95, DBA'09, is the dean of the College of Business and Professional Studies at Mary Baldwin University in Staunton, VA.

Christopher Stockman, BSME'97, was promoted to director of engineering for fuel and brake delivery, North America, at Cooper Standard, a Novi-based Tier 1 automotive supplier.

Marsha Winegarden, BSME'97, global executive director of new model programs at Ford Motor Co., was named among 100 Leading Women by Automotive News.

Thomas Minneker, BSTe'98, MSIO'04, MBA'16, was promoted to forensic safety engineer at General Motors.

Adam Barden, BSME'99, is the owner of Vassar True Value Hardware and Rental as well as Frankenmuth True Value Hardware. He is also a member of the Tuscola County Development Corporation board.

2001-2016

Dartis Willis, Sr., CIMBA'01, president and CEO of the Windsor Express basketball club, received the Ian Fowler Executive of the Year award from the National Basketball League of Canada for the 2015-16 season. Under Dartis' guidance, the Express won back-to-back league championships in 2014 and 2015. (See story, page 36.)



in Port Huron.

Patrick R. Phelan, BSCvE'02, PE, LEED AP, is a principal at BMJ Engineers & Surveyors Inc., a consulting engineering firm



Tech as well as a mentor for students at the University's Marburger STEM Center in Detroit. She also has been appointed to a new AIA K-12 Working Group that will focus on initiatives and curricula to expose grade-school students to architecture. Tiffany is also a new addition to SmithGroupJJR's Detroit office.

Tiffany D. Brown, BSAr'04, MAR'07, MBA'15, AAIA, NOMA, is an adjunct professor in the College of Architecture and Design at Lawrence

Christopher George, BSAr'05, MAR'09, was promoted to associate for architecture and design at Harley Ellis Devereaux. He is responsible for leading the design and technical systems for large, complex projects for the firm's Southfield office.

Sarah Witting, BSEE'06, an electrical engineer at Nissan, is one of 25 Medtronic Global Heroes. Sarah was honored for running marathons despite having bradycardia, which means a slower than normal heart rate.



renovation, and preservation projects. Alex is working on the conversion of the Inn on Ferry Street in Detroit into a three-unit condominium.

Alexander T. Fritz, BSAr'10, is a designer at the Detroit office of Quinn Evans Architects. His experience includes new construction,



ME alum named president of Macomb Community College

James O. Sawyer IV, BSME'85, has been named president of Macomb Community College, effective July 1.

"As Macomb's next president, Dr. Sawyer will not only ensure a seamless, positive transition for the college, but he also possesses the dual strengths of being an experienced educator with a comprehensive grounding in business and industry," said Jennifer Haas, chair of the MCC Board of Trustees.

Sawyer has advanced through positions of increasing responsibility at MCC for 14 years, serving as provost and senior vice president, vice provost for career programs, and dean of engineering and advanced technology. Earlier, for 17 years, he held engineering, quality, and operations management positions in automotive and defense companies.

Sawyer told the *Fraser-Clinton Township Chronicle* that a continued emphasis on student success and meeting the educational goals of individuals is paramount.

Sawyer also holds a master's degree in administration and doctorate in education from Central Michigan University.

"Macomb Community College has long been among LTU's closest educational partners," said Lawrence Tech President Virinder Moudgil. "It is the source of many of our top students and so it gives us special pleasure to see one of our own alumni advance to MCC's top leadership role. We look forward to an even stronger relationship."

Macomb Community College (www.macomb.edu) is one of the nation's leading community colleges, providing learning experiences to nearly 40,000 students annually. Macomb nationally ranks in the top two percent in the number of associate degrees awarded by community colleges and is the largest grantor of associate degrees in Michigan. MCC's educational programming includes pre-collegiate experiences, university transfer and career preparation programs, bachelor degree completion and graduate degree programs, workforce training, professional education and certification, and continuing education and enrichment opportunities. □BJA

News for Alumni Notes

Complete this form and on a separate sheet of paper, tell us about you or your fellow Lawrence Tech or DIT alums. Mail both to the Office of Alumni Relations, or email alumni@ltu.edu. Tell us about honors, promotions, marriages, appointments, and other activities.

☐ New Address?

Name _____

Street _____

City State ZIP _____

Home Phone () _____

Email _____

Use the email address above or mail to:
Lawrence Technological University, Office of Alumni Relations
21000 W. Ten Mile Road, Southfield, MI 48075-1058
Fax: 248.204.2207

ALUMNI NOTES



engineering firm.

Andrew Queenan, BSAr'10, MAR'11, AIA, is a project architect at the Grand Rapids office of TowerPinkster, an architecture and

Allison Kasprzyk, BSAr'13, is a designer at Whiski Kitchen Design Studio in Royal Oak.

Kiana Doggan, MSTPC'15, joined the Detroit Creative Corridor Center team as a project manager for drinks and design and the Detroit Design Festival. Kiana and William Wenzell were married on July 9, 2016.

is also on the adjunct faculty at the University of Michigan-Flint.

Michael Paciero, MSArE'15, is a virtual design and construction project coordinator at ROSSETTI and a former Challenge Detroit fellow. He was recently featured in an article in *Crain's Detroit Business* on what millennials in Metro Detroit look for in an ideal work environment.

Yong Li, DBA'16, is the author of a graduate thesis titled "The Impact of Leadership Behavior on Employee Engagement." His thesis was recognized as among the 25 most accessed dissertations and theses during November and December 2016, based on total PDF downloads in the ProQuest Dissertations & Theses Global database.



Jasmine Jones, BSME'12, BSIOE'12, released her first book in a series titled *The Single Ladies' Commandments: Songs for Love, Healing, Freedom, and Purpose*. The 90-day devotional relates contemporary music to love, single life, and dating. Jasmine was Miss Lawrence Tech 2011.

Lea Wojciechowski Ross, MSTPC'12, married Josh Ross at St. Hugo of the Hills in Bloomfield Hills on Aug. 1, 2015. Lea is a high school tutor in Troy and teaches technical communication at Lawrence Tech.



Ivan Garcia, BSBM'15, is event manager at the Westin Book Cadillac Detroit hotel. He received the Westin Manager of the

Quarter award for the first quarter of 2017. The award is given to a manager who exemplifies the Westin brand within his department, his peers, and hotel guests.

Kurt Neiswender, MUD'15, AIA, LEED AP, a project architect at Sedgewick & Ferweda Architects in Flint, received a 2017 Young Architects Award from the American Institute of Architects. Kurt



Friends We'll Miss

Information for this section is gathered from family and friends of the deceased and from newspaper and electronic media accounts. When providing an obituary, please furnish as much information as possible, including the date of death and any Lawrence Tech- or DIT-connected survivors and their graduation dates. If sending a newspaper clipping, please include the date and name of the paper.

Frank Crossland, BSArE'40, of Seattle, Nov. 14, 2015. Mr. Crossland worked for Boeing Airplane Co. for 30 years. He was survived by three daughters and two sons.

Edwin Donaldson, BSME'48, of The Villages, FL, Oct. 7, 2014. Mr. Donaldson, an Air Force veteran, was a senior project engineer designing transmissions at Ford Motor Co. He was survived by two sons and a daughter.

Charles W. Hendries, BMSE'48, of Presque Isle, Nov. 3, 2016. The winner of four medals during service in the Navy during World War II, Mr. Hendries worked for 33 years as a procurement manager at Michigan Bell Telephone Co. He was survived by his wife, Martha, three daughters, and two sons.

Jack W. Joynt, BSCvE'49, of Medford, OR, May 18, 2016. Mr. Joynt, a member of the President's Club for lifetime giving at Lawrence Tech, worked for Ford Motor Co., retiring as superintendent of the Ford Rouge Foundry in Dearborn. He was survived by four sons and three daughters.

Frederick Brauning, BSArE'50, of St. Clair Shores, April 19, 2017. Mr. Brauning, an Army veteran with service in World War II, was the founder and owner of Fred Brauning & Associates, an architectural firm in Detroit for over 60 years. He was survived by three sons and two daughters.

Joe D. George, BSIE'50, of Swartz Creek, Oct. 17, 2016. Mr. George began his career at General Motors' world headquarters in Detroit, later moving to Fisher Body 1 before retiring after more than 30 years of service. He was survived by his wife, Irene, three sons, and two daughters.

Eugene S. Kaczmar, BSIE'50, of Birmingham, March 12, 2016. Mr. Kaczmar, a Navy veteran with service in World War II, had a 25-year career with Ford Motor Co. as an industrial engineer, working in Mexico City for several years. He was survived by his wife, Betty, and two daughters.

Edward J. Pawlak, BSME'50, of Livonia, Oct. 3, 2016. Mr. Pawlak was a mechanical engineer at General Motors and Ford, Motor Co. where he designed the transmissions for race cars at LeMans and Sebring. Mr. Pawlak was a member of the Benefactor's Society for lifetime giving at Lawrence Tech. He was survived by a daughter.

Kenneth W. Davis, BSArE'51, of Shelby Township, April 28, 2017. Mr. Davis was a U.S. Army veteran, and recipient of the National Defense Service Medal. He was survived by his wife, Josephine, and four sons.

Ernest H. Graf, BSME'51, of Roseville, July 8, 2016. He was survived by his wife, Persis, and two children.

Milton T. Kirkenmeier, BSIE'51, of Palm Bay, FL, April 3, 2017.

FRIENDS WE'LL MISS

Robert L. Preston, BSIE'51, of Jacksonville, FL, Dec. 26, 2016. Mr. Preston had a 31-year career in marketing and quality with BFGoodrich. After retiring in 1993, he served as a substitute teacher and worked in customer service in several banks. He was survived by his wife, Jill, two daughters, and a son.

James S. Svenson, BSME'51, of Novi, Oct. 4, 2016. Mr. Svenson was retired from Chrysler. He was survived by three daughters and two sons.

George W. Jamgochian, BSIE'52, of Hartsdale, NY, June 16, 2016. Mr. Jamgochian worked for several government contractors in aeronautics and aerospace. A Navy veteran, he was awarded the Philippine Liberation Medal, the Asiatic-Pacific Medal, and the Victory Medal for service in World War II. He was survived by his wife, Rose, two daughters, and a son.

Paul D. Thompson, BSIM'52, of Orlando, FL, Jan. 2, 2017. Mr. Thompson was a colonel in the U.S. Air Force, where he flew with the Sky Blazers acrobatic team, the precursor to the Thunderbirds, and received numerous honors, including the Bronze Star, for his service. After retiring from the Air Force, he served as dean, provost, and vice president at Daytona Beach Community College. He was survived by his wife, Patricia, two sons, and a daughter.

Wallace H. Hansen, BSIE'53, of Newark, DE, Oct. 25, 2016. A former Army statistician, Mr. Hansen retired in 1987 as manager of industrial engineering at the Chrysler Assembly Plant in Newark. He was survived by his wife, Providenza, three daughters, and two sons.

Movses Movsesian, BSChE'53, of Plymouth, Sept. 14, 2016. He was survived by his wife, Ann Marie, and four sons.

Geno Morosi, AMT'54, of Clinton Township, Sept. 20, 2016. Mr. Morosi was a Navy veteran and a survivor of the attack on Pearl Harbor. He was survived by his wife, Virginia, two sons, and two daughters.

Robert H. Sharkey, BSIE'54, of Westminster, SC, March 3, 2017. Mr. Sharkey, a Navy Seabees veteran with service in World War II, worked for various companies as a chemical engineer. He was survived by seven sons and a daughter.

Thomas H. Burks, BSEE'55, of Royal Oak, Jan. 9, 2017. Mr. Burks, a National Guard veteran, worked for 39 years at Detroit Edison. He was survived by his wife, Ann, and three sons.

Frank Chikos, BSME'55, of Lincolnshire, IL, March 3, 2014. Mr. Chikos worked for Chrysler Automotive, where he was an expert in wheels and brakes. He retired in 1967, but promptly returned to work for Pioneer Engineering and White Motors. An Army veteran, he was awarded the Purple Heart, Bronze Star, and Combat Infantry Badge for service in World War II. He was survived by his wife, Rose, two sons, and a daughter.

Richard P. Newton, BSEE'55, of Whiting, NJ, April 27, 2017. Mr. Newton, a Navy veteran, worked for 30 years for Bell Telephone Laboratories in plant engineering, retiring as the head of design and construction. He was survived by two daughters and a son.

Anthony M. Camilletti, BSME'56, of Sterling Heights, Feb. 1, 2017. A General Motors retiree, Mr. Camilletti served on Lawrence Tech's alumni board from 1957 to 1960. He was survived by two sons and a daughter.

Ed Donley leaves legacy of leadership

Edward Donley, BME'43, one of Lawrence Tech's most involved, accomplished, and generous alumni, passed away April 1 in Bethlehem, Penn. He was 95.

Mr. Donley grew up during the Great Depression in a one-room log cabin built by his great-grandfather on a farm near Richmond, Mich.

He received a scholarship to attend Lawrence Tech, where he was elected president of the student government and served as editor of the student newspaper, the *Tech News*. These posts heralded a legacy of University leadership that continued his entire life.

From 1971 to 1993, Mr. Donley served as a member of LTU's University Corporation, which then functioned as the executive committee of the Board of Trustees. He was the Corporation's chairman 1982 to 1993, and concurrently served as a trustee 1984 to 1994. His professional accomplishments were recognized by the Lawrence Tech Alumni Achievement Award he received in 1959 and by an unprecedented two honorary degrees from his alma mater – the Doctor of Industrial Management in 1976 and the Doctor of Engineering in 1987. He was also tapped to present the commencement address each of those years, the only individual who has stood before two graduating classes.

During his long board service, he aided LTU's transformation as one of the nation's pre-eminent private, technological universities. He used his optimism, business acumen, and reservoir of relationships to improve the reputation and recognition of LTU and guide and inspire its leadership, faculty, and students. As chairman and CEO of Air Products and Chemicals, Inc., Mr. Donley led the firm's expansion from a small local business to a Fortune 500 enterprise, one of the leading companies of its kind in the world. He retired in 1986.

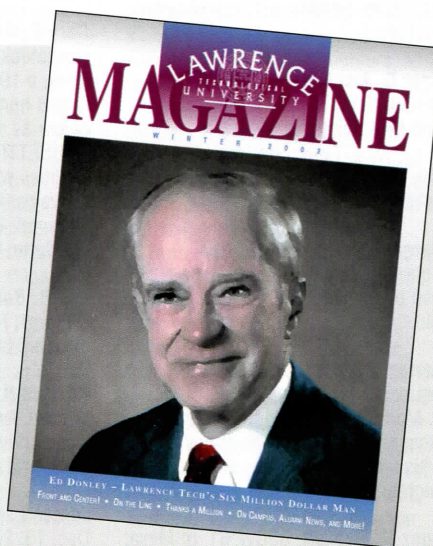
In a citation of tribute prepared by LTU's Board of Trustees for Mr. Donley's family, he was cited for having "served his nation and its youth with distinction as an ambassador for improving literacy, leading some of the country's most distinguished organizations dedicated to enhancing educational achievement at all levels. He chaired the Chamber of Commerce of the United States, his counsel was sought by the most prominent leaders in manufacturing, business, and academia, and he advised governors, our nation's presidents and their cabinets."

Mr. Donley, his wife, Inez, who predeceased him, and the Donley family have been especially supportive of Lawrence Tech, helping to fund a number of facilities and also endowing one of the University's top scholarships. Several years ago, the LTU Alumni Association named the annual distinguished student awards in his honor. In 1999 he received LTU's Ray Award for extraordinary volunteer service.

Last year, the Board of Trustees by unanimous acclamation named the Edward Donley Residence Hall as a prominent and permanent commemoration of his generosity and service. LTU's Edward Donley Computer Center was named for him some 20 years ago.

"Mr. Donley's passing leaves a real void in our University community," said LTU President Virinder Moudgil. "Lawrence Tech is a better institution because of his leadership and involvement. He was the very model of an inspiring and helpful advocate and a wonderful friend."

Mr. Donley's survivors include a daughter, two sons, and 10 grandchildren. □BJA



FRIENDS WE'LL MISS

Philip H. Bush, BSEE'57, of Granada Hills, CA, Jan. 23, 2017. Mr. Bush worked in the hydraulic research industry. He was a regular contributor to Lawrence Tech and served as treasurer of Kappa Phi Sigma.

William Kuschel, AMT'57, of Livonia, Jan. 9, 2017. Mr. Kuschel's lifelong career was dedicated to pattern making at Progress Pattern, Lear Seigler, and T.E.I. He was survived by two daughters and a son.

Edsel R. Landahl, AMT'57, of Eastpointe, Feb. 5, 2015. Mr. Landahl, a Coast Guard veteran, was a mechanical engineer at the GM Tech Center for over 25 years. He was survived by his wife, Pauline, and a daughter.

Joseph J. Zaccagni, BSArE'57, of Macomb, Sept. 19, 2016. Mr. Zaccagni was the founder of Joseph J. Zaccagni & Associates, Inc., an architectural firm in Southfield. He was survived by his wife, Bernadine, three sons, and a daughter.

Earl W. Blohm, BSME'58, ACmT'74, BSEE'85, of Livonia, April 10, 2017. He was survived by his wife, Carol, and two stepchildren.

Harry D. Gibson II, AMT'58, of Madison Heights, April 4, 2016. Mr. Gibson, a Coast Guard veteran, was an executive at Grand Trunk Western Railroad. He was survived by three daughters and two sons.

Lawrence Hogan, BSME'58, of Huron, OH, Dec. 16, 2016. He was survived by his wife, Marilyn, a son, and a daughter.

George K. Obsniuk, BSME'58, of Northville, May 5, 2015. Mr. Obsniuk was a Ford retiree. He was survived by two sons and two daughters.

Michael A. Cammarata, AMT'59, of Macomb Township, March 30, 2016. Mr. Cammarata used his skills at many companies until settling at the Chrysler Tank Plan and retiring from General Dynamics in 1989. He was survived by a daughter.

Martin R. Spielhauer, BSEE'59, of Okeechobee, FL, Aug. 10, 2015.

Frederick J. Wenson, ARACT'59, of Surprise, AZ, Nov. 2, 2016. He was survived by his wife, Antoinette, three sons, and two daughters.

Robert L. Boorn, BSME'60, of Prescott, AZ, April 3, 2017. Mr. Boorn, an Air Force veteran, was a Lockheed Corp. retiree.

John G. Daly, BSEE'60, of O'Fallon, MO, September 2016. He was survived by his wife, Cynthia, and three children.

James "Tom" Keegan, AMT'60, of Hartland, April 21, 2017. Mr. Keegan was an engineer for Chevrolet at the GM Proving Grounds. He was survived by his wife, Sandra, a son, and a stepdaughter.

Roger D. McClelland, ABCT'60, of Emmett, Sept. 13, 2014. He was survived by 11 children.

Jerry A. Nagy, BSIM'60, BSIE'66, of Wickenburg, AZ, April 27, 2016.

George F. Grohs, BSArE'61, of Rochester, July 3, 2015. He was survived by his wife, Mary Jo, and one child.

Charles F. Maddox, BSME'61, of Commerce Township, July 8, 2016. Mr. Maddox was a product engineer manager at Ford. He was survived by his wife, Donna, three sons, and a daughter.

Roger M. Sackett, BSCvE'61, of Mesa, AZ, Nov. 3, 2016. Mr. Sackett, a Navy veteran, joined Dow Chemical Co. in Midland in 1963 as a project planner. He later was assistant manager and then vice president and district manager at Dow's Southeast District in Atlanta. He was survived by his wife, Betty, and a son.

William F. Stocker, Jr., AMT'61, of Clinton Township, Aug. 8, 2016. Mr. Stocker, a Navy veteran, retired from TRW Inc. in 1998. He was survived by his wife, Sharon, and two daughters.

Bert B. Pellegrini, AEET'62, of Livonia, May 22, 2016. Mr. Pellegrini, a Navy veteran with service in World War II, worked at Detroit Edison for 47 years. He was survived by his wife, Adriana, and a daughter.

Earl E. Custer, BSIM'63, of Fort Myers, FL, Aug. 16, 2016. During a 30-year career with General Electric, Mr. Custer worked at the Appliance Division in Louisville, KY, the Lighting Division in Houston, the Carbology Division in Detroit, and the Aircraft Engine Division in Cincinnati. He was survived by his wife, Susan, and a daughter.

David H. Dage, BSEE'63, of Valley Springs, CA, May 27, 2014. Mr. Dage was the owner of Dage Scientific in Valley Springs.

Norman J. Hankala, BSEE'63, of Hendersonville, NC, Aug. 20, 2016. He was survived by his wife, Margaret, and two daughters.

Harold Ladouceur, BSME'63, of Livonia, Nov. 23, 2016. Mr. Ladouceur was survived by his wife, Lucille, and a daughter.

Gary S. Van Neck, BSArE'63, of Saugatuck, Dec. 17, 2016. Mr. Van Neck, a 1981 Alumni Achievement Award honoree, had a successful career as an architect, primarily with ROSSETTI Associates, and later in facilities with First of America Bank as well as several entrepreneurial ventures. He was survived by his wife, Charlotte, two daughters, and a son.

Lee R. Bohning, BSCvE'64, of Gulfport, FL, March 8, 2017. He was survived by three children.

Richard R. Grden, BSME'64, of Warren, Nov. 14, 2016. Mr. Grden was survived by his wife, Connie, two sons, and a daughter.

James L. Skinner III, AIST'64, of Troy, Dec. 15, 2015. A Navy veteran with service in the Korean War, Mr. Skinner worked at Chrysler for 39 years. He was survived by his wife, June, and three daughters.

Zygmund A. Lipka, BSIM'65, of Ray, May 10, 2016. Mr. Lipka served in the Navy as an electrical technician and retired as an engineer after more than 30 years at Ford. He was survived by his wife, Charlotte, two sons, and a daughter.

Kenneth G. Hoadley, AEET'66, of Linden, May 2, 2016. A Navy veteran, Mr. Hoadley was survived by his wife, Karen, and two daughters.

Douglas Pierce, BSBA'66, of Orchard Lake, Sept. 13, 2016. The son of the founder of Guardian Alarm, Mr. Pierce founded his own security company, Automatic Alarm, after graduating. A decade later, Automatic Alarm merged with Guardian Alarm and Mr. Douglas was appointed CEO. He was survived by his wife, Arlene, and two daughters.

Donald V. Rasmussen, AMT'66, of Brighton, July 21, 2016. Mr. Rasmussen was survived by his wife, Sharon, and two daughters.

William N. Chapman, AMT'67, of Albuquerque, NM, Feb. 7, 2017. Mr. Chapman worked his way up to an assembly line process engineer during his 40-year career at General Motors. He was survived by two sons.

Duane L. Wolfe, BSIM'67, of Homosassa, FL, Oct. 6, 2014. A Marine Corps veteran with service in the Vietnam War, Mr. Wolfe worked in the automotive finance and insurance industries.

Donald J. Reda, BSIM'68, of Oakland Park, FL, Nov. 1, 2015.

Eugene A. Tauriainen, BSEE'68, of South Lyon, Dec. 24, 2016. A Navy veteran with service in the Korean War, Mr. Tauriainen retired from Ford following a 35-year career. He was survived by his wife, Eleanore, and two sons.

L. Kirk Walters, BSME'68, BSEE'95, of Shelby Township, Aug. 16, 2016. He was survived by his wife, Janet, and two sons.

Charles E. Cain, BSIM'69, of Novi, March 21, 2017. He was survived by his wife, Dorothy.

Gary K. Evatz, BSBA'69, of Bruce Township, July 21, 2016. Mr. Evatz owned and operated Pebble Pushers Inc., selling concrete, sand, and gravel to local builders. He was survived by his wife, Mary, and a son.

Marlyn K. Lisk, AMT'69, AIST'70, BSIM'73, of Dearborn, Feb. 26, 2016. Mr. Lisk was a program change coordinator at Ford Motor Co. and a member of the Presidents Club for lifetime giving at Lawrence Tech. He was a member of LTU's Alumni Association Board of Directors, 1974-84, and served several years as president. He was survived by a son and a daughter.

Daniel J. McKernan, BSEE'69, of Utica, NY, April 12, 2015. Mr. McKernan was a project engineer at the GE Foundation. He was survived by two children.

Bobby L. Harrison, BSIM'70, of Southern Pines, NC, Sept. 9, 2014.

FRIENDS WE'LL MISS

DIT IN MEMORIAM

Francis Noggle, BSME'70, of Rochester Hills, Nov. 16, 2016. Mr. Noggle worked at Ford Motor Co. for over 30 years. A student leader, after graduation he was an active volunteer aiding LTU fund-raising efforts and was a former president of the Presidents Club at Lawrence Tech. He was survived by his wife, Nancy, and two daughters.

Arnold Curtiss, AIST'71, BSIM'75, of The Villages, FL, Dec. 20, 2016. Mr. Curtiss worked at General Motors' Allison Transmission division for over 40 years, retiring as manager of sales and service in 2007. He was survived by his wife, Carol.

Carl L. Westergard, BSIM'71, of Talladega, AL, Nov. 29, 2015. An Army veteran, Mr. Westergard worked for Nissan in Smyrna, AL. He was survived by his wife, Wanda, two sons, and a daughter.

Harold "Skip" Miller, BSME'73, of Chesterfield, March 9, 2016. Mr. Miller was a project manager at General Motors. He was survived by his wife, Marcia, a son, and a daughter.

Leonard E. Chapman, ABCT'74, of Howell, April 23, 2017. Mr. Chapman was a retired engineer for the City of Farmington. He was survived by his wife, Frieda, and three sons.

Daniel Murray, BSCE'74, of Naples, FL, Sept. 5, 2016. An Army veteran, Mr. Murray established and owned D.W. Murray Building Contractors and Engineers, Inc., as well as several other businesses in the Downriver Detroit area. He was survived by a son and a daughter.

Neil E. Persinger, BSIM'74, of Troy, March 15, 2013. He was survived by two children.

Lawrence W. Van De Velde, AIST'74, BSIM'78, of Onsted, Feb. 20, 2017. Mr. Van De Velde was one of the founding partners of Sunrise Windows Ltd. in Temperance. He was survived by his wife, Laura, and a son.

Robert W. Patyk, BSAr'75, of Clinton Township, Sept. 13, 2014. He was survived by four children.

Burt V. King, BSBA'77, of Canton, July 27, 2016. An Air Force veteran with service during the Korean War, Mr. King was survived by three daughters.

Michael Meinhardt, BSAr'79, BAr'81, of Birmingham, Jan. 6, 2017. Mr. Meinhardt was an architect for the Detroit Medical Center and Oakwood Hospital. He was survived by his partner, John Comperchio.

James L. Overholt, BSPH'79, of Clinton Township, March 3, 2017. Mr. Overholt worked for the Army for 28 years, eventually becoming senior research scientist for robotics. He most recently worked for the Air Force as acting chief scientist and senior scientist for Autonomous Systems. He was survived by his wife, Kathryn, three sons, and a daughter.

Jeffrey A. Bertoia, BSEE'82, of Milford, March 30, 2017.

Kenneth M. Spahr II, AIET'82, of Tawas City, Feb. 27, 2017. Mr. Spahr worked as head of communications at Ford Motor Co. He was survived by two daughters, a son, and a stepson.

Kristyna Hellen, BSBA'84, of Palm Harbor, FL, Sept. 18, 2014. Ms. Hellen was a computer programmer at Ford Motor Co. She was survived by her mother and four siblings.

Michael D. Jones, BSME'86, MEM'11, MBA'12, of Southfield, Sept. 16, 2016. He was survived by his father and five siblings.

Scott D. Herd, BSBA'90, of Warren, Sept. 28, 2014.

Jessica L. Jensen, BSBA'96, MBA'99, of Royal Oak, July 16, 2016. Mrs. Jensen was business manager of the Royal Oak and Southfield campuses of Oakland Community College. She was survived by her husband, Matthew, and two daughters.

Andrew G. Korol, BSME'00, of Livonia, Sept. 3, 2013. Mr. Korol was a former Lawrence Tech employee.

Billy R. Brown, AASME'02, of Detroit, June 13, 2016.

Mark S. Swank, BSCS'03, of Commerce Township, Aug. 21, 2014. Mr. Swank worked as a software engineer in the automotive and tech industries in Southwest Michigan. He was survived by his mother, a twin brother, and two sisters.

Walter A. Denny, BME'48, of Adrian, Jan. 29, 2016. Mr. Denny was a member of the Society of Professional Engineers until his retirement from the Charles A. Strand Co. in Detroit. He was survived by his wife, Nelie, and three daughters.

Gerard W. Goyette, Sr., BSPH'50, of Trenton, Feb. 28, 2017. Mr. Goyette, a Navy veteran, had a long career as a pharmacist. He was survived by his wife, Elizabeth, three daughters, and two sons.

Bernard P. Lucas, BSIE'51, of Novi, April 22, 2016. Mr. Lucas, a World War II veteran, retired from General Motors with over 40 years of service at the Ternstedt Division Plant in Detroit. He was survived by his wife, Florence, two daughters, and a son.

Anthony Palermino, BSPH'52, of Marysville, Jan. 12, 2017. Mr. Palermino, an Army veteran with service in Korea, managed several pharmacies in St. Clair Shores and later owned and operated his own Clinic Pharmacy in Richmond until his retirement. He was survived by his wife, Barbara, five sons, and a daughter.

Thomas R. Parry, BSSS'56, of Hillsborough, NJ, Feb. 8, 2017. Mr. Parry, a Navy veteran with service in World War II, was a high school teacher in Ferndale and later president of the Western Pennsylvania Safety Council. He was survived by two sons and two daughters.

Jesse Cabrera, BSBA'58, of Westland, June 9, 2016. Mr. Cabrera, an Air Force veteran with service in the Philippines and Korea, had a 28-year career at General Motors. He was survived by four sons and a daughter.

Oliver J. Boss, BSIM'59, of Commerce Township, March 1, 2017. Mr. Boss, an Army veteran with service in World War II, was a senior auditor for Detroit Edison, retiring after 40 years. He was survived by his wife, Elizabeth, seven daughters, and two sons.

Conrad Dowel, BAGS'59, of Northville, April 4, 2017. Mr. Dowel, an Army veteran during the Korean War, was survived by his wife, Barbara.

Leonard G. Milburn, BSBA'69, of Chatham, Ontario, Jan. 30, 2016. Mr. Gordon worked in the Service Parts Operation at the AC Delco Division of General Motors. He was survived by his wife, Laureen, a son, and a daughter.

Richard J. Granke, BSCh'72, of Royal Oak, Jan. 13, 2016. Mr. Granke was a senior environmental engineer at General Motors. He was survived by his wife, Sally.

Donor Honor Roll

Major donor society inductees honored at Springsation

Donors play an essential role in the opportunities provided by Lawrence Technological University. Their generosity helps provide an outstanding education at an affordable price to the young adults who will be the leaders and innovators of tomorrow.

The newest members of LTU's major giving clubs and societies were honored at the University's annual Springsation reception and dinner on May 18, held at the Henry Ford.

Russell E. Lawrence Society (\$500,000 to \$999,999)

St. John Providence | Ascension

1932 Society (\$100,000 to \$249,999)

Fred A. and Barbara M. Erb Family Foundation
Meijer, Inc.

Trustees Society (\$50,000 to \$99,999)

Albert Kahn Associates, Inc.

Mr. Bruce J. Annett, Jr. and Mrs. Amy Annett
The Herbert and Elsa Ponting Foundation

Mr. Leonard Kosloski, BSBA'90, and Mrs. Elaine A. Kosloski

Benefactors Society (\$25,000 to \$49,999)

Mr. Dean De Galan, BSEE'74, and Mrs. Cynthia De Galan

Mr. Vincent, BSEE'79, and Mrs. Frances Dow

William L. Gregg, BSMCS'90, MBA'94, and Carol E. Anderson-Gregg
The Godfroid Scholarship, In Honor of Dr. Robert and

Mrs. Susan Godfroid

Mr. Addison, BSAr'70, and Mrs. Deborah Igleheart
Lego Education

Magna International

NFPA Education and Technology Foundation

PepsiCo, Inc.

Mr. Steven, BSEE'92, and Mrs. Colleen Stout

Mr. W. Bernard White, PE, BSCE'80

ZOATEX Inc.



St. John Providence | Ascension represented by Peggy Vandenhemel



Albert Kahn Associates represented by Mike Giovanni



ZOATEX, Inc. represented by Vincent Hyllton

Meijer Inc. represented by Adrian Lewis



Fred A. and Barbara M. Erb Family Foundation, represented by Douglas Ebert

DONOR HONOR ROLL

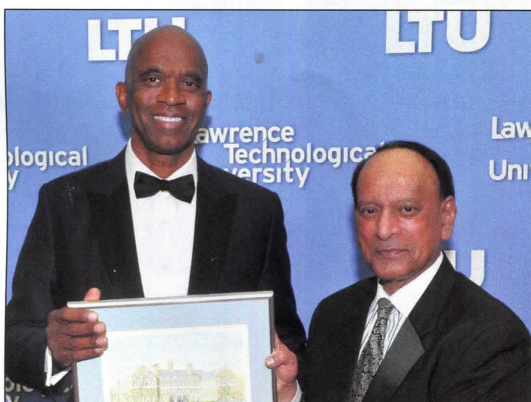
Presidents Club Lifetime (\$10,000 to \$24,999)

Mr. Tim Chavis
 GE Appliances
 Mr. Robert, BSIM'74, and Mrs. Elaine Heck
 Ms. Jeanne Johnston
 Professor Richard and Mrs. Pauline Maslowski
 PNC Bank
 Progressive Metal Manufacturing Co.
 Roura Material Handling, Inc.
 Mr. Brian, BSPh'88, and Mrs. Kathlene Wagner
 West Michigan Auto Auction

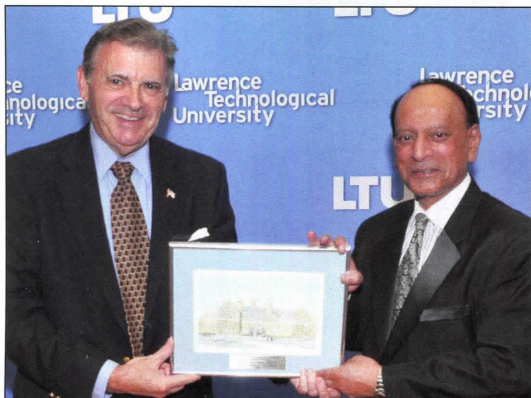
*Bruce and
 Amy Annett*



W. Bernard White



Dean V. De Galan



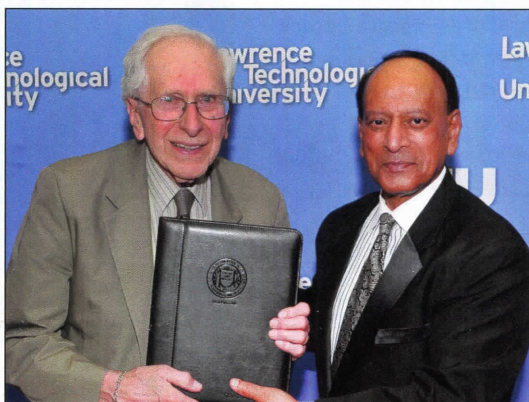
For more information on Lawrence Tech giving clubs and societies, contact Julie Vulaj, director of major gifts, at 248.204.2313 or jvulaj@ltu.edu.



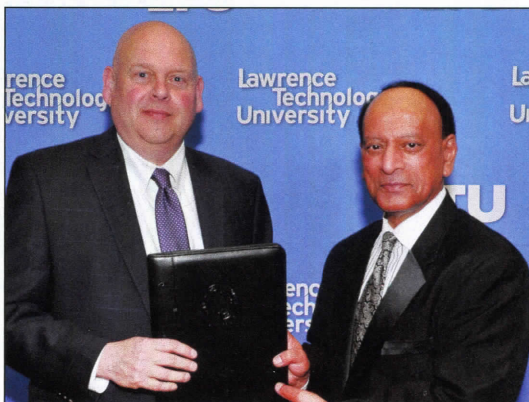
*Magna
 International
 represented
 by Benjamin
 Saltzman*



*PNC Bank
 represented by
 Gina Coleman*



*Richard
 Maslowski*



Tim Chavis

New LTU society celebrates support year after year, no matter what the gift

For years, Lawrence Tech has recognized its most generous benefactors annually based on their cumulative giving to the University. But Lauren Seebold, LTU's director of annual giving, saw an opportunity to honor donors for a different reason.

"Large, transformational gifts make headlines," she said. "But the donors who support LTU year after year in ways that are meaningful to them are our foundation. They've been right there with us as the University continues to grow, helping make every exciting new step possible, and their loyalty really deserves to be celebrated."

Thus, the True Blue Society was born. The new donor recognition society launched this summer to show appreciation for LTU's most steadfast supporters – from those who have made a gift in each of the last two years to those like Walt McCoskey, BSME'51, who has been donating to his alma mater for 46 consecutive years – the longest consecutive yearly giving streak of any donor, according to University records.

McCoskey grew up on Detroit's west side and graduated from Cass Technical High School. He opted to attend



Lawrence Tech, then still at its original Highland Park location, because "it gave me the opportunity to go to school, work part time, and live at home."

After college graduation, McCoskey spent two years in the Army, then embarked on a long career that included stints at Packard, Ford Motor Co., Budd Co., and finally, South Carolina-based Spartanburg Steel Products, as its Detroit-area sales and engineering manager. He retired in 1993, and is now active in several charities, as well as theater organ clubs, and serves as

a consultant to Packard collector clubs. He also has a grandson who is an LTU alumnus – Matthew Weber, MSAE'11.

McCoskey said he gives to LTU "to give back to the University, to help programs and students."

He said he gives every year simply because "once I got started, I wanted to continue."

At this time, membership in the True Blue Society is only open to alumni and former students of LTU, LIT, and DIT. For more information, visit www.ltu.edu/trueblue or call 248.204.2309.



Walter and Dorothy McCoskey

Supporting the
engineers,
designers,
scientists, &
entrepreneurs
of tomorrow has
never been easier.

Every gift to Lawrence
Technological University
makes a difference. And
now, with the option to
enroll in monthly or
quarterly giving, small
gifts can add up to make
a big impact each year.

\$10

MONTH



Two tanks of gas in
a Tech Transit van,
which provides free
transportation for
on-campus students

\$25

MONTH



A new set of tires on
the Baja SAE student
project vehicle

\$50

MONTH



An LTuZone laptop
loaded with industry-
standard software
(retailing on average
over \$75,000!) for
one student

\$100

MONTH



A semester of meals
at campus dining
facilities for one
student



By setting up a recurring gift, you'll
help sustain the programs you love
at Lawrence Tech year-round and
provide the resources that make the
LTU experience possible.



PLUS, you'll automatically become
a member of the True Blue Society,
LTU's new donor society that honors
our most loyal supporters. (Learn
more at www.ltu.edu/trueblue)

Sign up today at www.ltu.edu/monthly

Lawrence Technological University

T H E B A C K P A G E

LTU takes first, third in autonomous vehicle competition

Teams from Lawrence Technological University finished first and third in the nation in the two divisions of the Intelligent Ground Vehicle Competition (IGVC), held June 2–5 at Oakland University in Rochester.

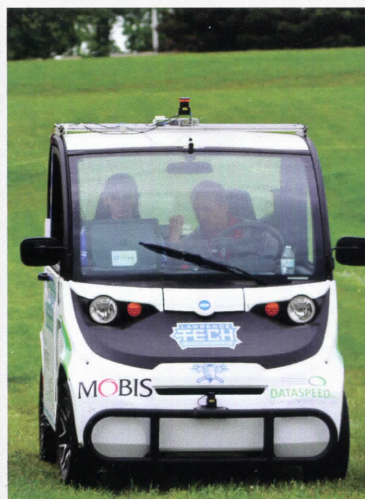
LTU took first place as the only team to successfully finish competition in IGVC Spec 2, a new division for full-size autonomous vehicles.

In Spec 2, the autonomous vehicles move around a course consisting of lines painted on a grass field. They must stop for stop signs and follow road markings.

The championship team was comprised of computer science students Nicholas Paul, team captain, Mitchell Pleune, and Devson Butani, an undergraduate in mechanical engineering.

One of the University's two other teams, iWheels 3, took third place in IGVC Spec 1, a competition for smaller autonomous vehicles resembling NASA's Mars rovers. That competition was in its 25th year. In this division, the vehicles also move around a course of white lines painted on grass, but the courses have obstacles like barrels and cones that the vehicles must maneuver around.

Team members were Butani, team captain; Sean Bleicher, a computer science undergraduate student; and Kevin Cox, a graduate



Behind the wheel – but with no hands on it – is a competition official as the LTU autonomous car goes through its paces.

student in computer science. Associate team members were Muhammad Momin Aftab, an electrical engineering undergrad, and Nirmite Changani, a robotics engineering undergrad. Team advisors were C.J. Chung, professor of computer science, and senior lecturer Gordon Stein, BSCS'16, MSCS'16, and adjunct faculty Jonathan Ruszala, MSCS'10.

Also competing were

students from the College of Engineering's robotics engineering program. Members of this team were Adam Drotar, technical captain and mechanical team lead; Mark Kenney, electrical team lead; Kristin Jordan, public relations captain; Shuwei Xu, programming lead; and team members Syed Athar, Zachary Carey, Michael Dupuie II, Ryan Moreno, Ryan Pizzirusso, Lacy Pyrzynski, Ryan Woods, Chris Sucheysky, Bryan Walther, Thomas Weeks, and Alex Wendt.

The full-size autonomous vehicle entered in Spec 2 was a Polarix Gem two-passenger electric vehicle with a top speed of 25 mph. It was donated to the University by Hyundai Mobis, the parts-and-service division of the Korean automaker, and DataSpeed Inc., a Rochester Hills-based autonomous vehicle technology developer.

The Gem will soon have a new life as an autonomous taxi on Lawrence Tech's campus. The vehicle was dedicated on July 27 as part of a victory party celebrating the championship. Chung said the vehicle might be in service as early as October. □MR



The Spec 2 team with the vehicle just before its test run.