

Lawrence Tech[®]

LAWRENCE TECHNOLOGICAL UNIVERSITY MAGAZINE | Summer 2014



Esprit de campus: Students are finding LTU feels more like home sweet home

Expanded entrepreneurial approach supercharges engineering education
Multisensory Lab opens new doors | Formula Hybrid team excels again
Lacrosse teams off to a good start | Donor Honor Roll | Capital campaign news, and more!

Lawrence Tech®

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On the cover: Ashley Maier had the honor of leading the College of Arts and Sciences at the 82nd commencement exercises held at the Ultimate Soccer Arenas in Pontiac on May 10. Lawrence Tech awarded more than 850 degrees and certificates for the 2013–14 academic year. (*Glenn Triest photo*)

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Esprit de campus.

Students are finding LTU feels more like home sweet home

Lawrence Technological University used to be known as a commuter school, but no longer. The demand for residential living continues to grow, and more activities have made the campus a place to linger and enjoy instead of rushing to leave after classes finish.

Creating a more vibrant campus life has been a mission of Dean of Students Kevin Finn since he was named to that position in 2007. At the time, occupancy in the University's two residence halls was under 75 percent – an immediate problem that Finn decided to tackle with a broad, long-term approach.

"We became committed to developing a good residential experience for our students," Finn said.

In the past seven years, Lawrence Tech has expanded recreational activities for students, reinstated Homecoming, and added Winterfest and the Miss Lawrence Tech Scholarship Pageant. In 2010, a new contract with Aramark for its Real Food on Campus (RFoC) program expanded food services to seven days a week.

A major remodeling of the dining facility and the addition of Einstein Bros. Bagels in the atrium of the Buell Management Building created a much more inviting environment, as did the addition of a Provisions on Demand (P.O.D.) Express in the University Technology and Learning Center.

Another major milestone came in 2011 when the University joined the National Association of Intercollegiate Athletics, ushering in a new era of varsity athletics.

Numerous other smaller changes along the way have made student life much more engaging, and now the University is an active participant in the effort to create a downtown atmosphere in Southfield that will provide more recreational, dining, and social opportunities for students. *(See accompanying story.)*

The overall goal is to create an environment where students will have more positive experiences outside the classroom and develop more personal relationships.

"We started with the premise that students who get connected and have plenty of friends and activities are more likely to be happier and more successful at Lawrence Tech," Finn said.

More reasons to stay

Phil Lucas, BSChB'12, has played a number of roles in this transformation since he arrived on campus in 2008. He led a campaign to bring more recycling to the campus and went on to serve as president of Student Government. Following graduation he took a job with Lawrence Tech's athletics program. Now he is pursuing an MBA at LTU and was recently hired as the student coordinator between Southfield's city government and LTU students.

"There are activities on campus almost every day and on the weekends that weren't available when I arrived here as a freshman – back then the campus kind of shut down on Thursday night," Lucas said. "The vibe on campus is so much better now. You feel like the campus is your home. That's why a lot more people want to live on campus or nearby."

Basketball and volleyball games are once again bringing together alumni, students, faculty, and staff to root for the Blue Devils and share their school spirit. Go to ltuathletics.com to see the team schedules for fall 2014.

Continued

Perhaps the best barometer of the progress is the occupancy rate in the student residence halls. Last fall the demand for rooms reached 110 percent, and the University rented additional apartments for 80 students in a renovated office building called Arbor Lofts on Civic Center Drive.

To help meet this increased demand, LTU is building its third residential hall, which will add 80 double-occupancy units when construction is completed in time for the start of the 2015–16 academic year. (See back cover.)

Big boost from athletics

The growing athletics program has been a driving force for many of the positive changes on campus. Rooting for athletic teams creates more school spirit and gives the University a stronger identity. Student athletes spend more time on campus and participate in other activities. And all students benefit from the improvements that have been made at Ridler Field House for the varsity programs.

But perhaps the greatest benefit of a robust athletics program is the camaraderie that develops on the teams. Those bonds help students get through tough times during their college years and lead to friendships that will last a lifetime. Students from different academic disciplines are thrown together on athletic teams, leading to greater awareness of all the experiences available on campus.

Nicole Gerou, BSAr'13, who served as Student Government



A student from the Hua Xia Student Association offers a sampling of Chinese cuisine during LTU's annual International Festival.



Fox 2 News television reporter Deena Centofanti interviewed LTU students Caitlin Boote and Marilyn Cannell (to her right) last fall about their sorority's campaign to promote a positive self-image among women on campus.

president this past academic year while pursuing a master's degree in architecture, has seen the positive effects of the athletics program as a member of the LTU Dance Team that performs at basketball games and Homecoming.

"There's much more cross-disciplinary collaboration on campus than there was when I arrived, and sports has helped that happen," Gerou said. "Teammates and the people attending the games come from different academic disciplines. The whole campus is getting to know each other better."

Gerou believes that personal relationships can sometimes make the difference between completing a college degree and dropping out. "More students are staying in school because of the activities going on and the people they've met. People gripe, but they stay because of the people they know," she said.

One of the things students gripe about is the cafeteria food – truly an age-old issue for almost all college campuses. But while LTU students may have some complaints, they are pretty happy with the café-style seating, the modern look of the facility, and the overall dining experience. "The café floor plan leads to more interaction," Gerou said.

More recreational activities

There has also been a dramatic increase in student participation in intramural recreational activities. The basketball league is stronger than ever with 20 teams this past year, and the flag football league expanded to eight teams. There was a broomball tournament for Winterfest.

LTU's recreational programs now include softball, volleyball, dodge ball, table tennis, billiards, badminton, racquetball, indoor soccer and futsal, Wallyball, and golf. The disc golf course

“We’re engaging the students and keeping them on campus longer. Keeping students engaged has been proven to be a good way to retain them.”

on campus is well used, and Ultimate Frisbee will be added in the fall.

“It used to be that we couldn’t really say that we had something for everyone, but that is changing,” said Don Gillette, who oversees recreational programs. “We’re giving people other avenues to pursue.”

The number of registered students on the recreational website is approaching 700, and over half of those are freshmen – a sign of future growth for the program.

In addition to the health and fitness benefits of recreational activities, students are meeting new friends. “We’re engaging the students and keeping them on campus longer,” Gillette said. “Keeping students engaged has been proven to be a good way to retain them.”

Fraternities and sororities

Greek organizations, which have been a staple at LTU throughout its history, are also contributing to the improvement in campus life. More than 250 students participate in five fraternities and three sororities, and another sorority is planning to add a chapter next year at LTU.

Last fall the Delta Phi Epsilon sorority attracted coverage from Fox 2 News in Southfield with its Be(you)tiful campaign to promote positive self-images for women and combat anorexia. The sorority members put post-it notes on walls around campus to remind women to think positively about themselves.

This sorority also adopts a family at Christmas and takes responsibility for picking up trash on nearby Lahser Road between 10 and 11 Mile Roads. In the spring it hosts Deeper Dude, a



Members of the Sigma Phi Epsilon fraternity chapter celebrate their victory at the annual Greek Games held at Lawrence Tech in April.

beauty pageant for the men on campus, to raise money for cystic fibrosis.

Sophomore Marilyn Cannell doesn’t live on campus and joined Delphi Phi Epsilon as a freshman in order to get involved in campus activities.

“I’m a commuter, so I wouldn’t have met as many people outside of my classes,” Cannell said. “Greek life is good for socializing.”

There are many other student organizations that respond to the interests of almost all students. The number of groups represented in the Student Government assembly has grown to 70. In an effort to be more responsive to the needs and wishes of students who may be in a group, Student Government has added elected representatives from each academic college and residence hall.

International flavor

Some of the new organizations represent foreign students whose numbers have nearly doubled in the past five years to almost 800. Students come from 47 countries to attend Lawrence Tech, with the biggest contingents coming from China, India, and Saudi Arabia. Most of the increase has come at the undergraduate level where the interest in student activities is greatest.

In recent years, international student organizations have invited the entire campus community to popular celebrations of their native countries, such as Chinese New Year. The annual International Festival held in April provides the opportunity to sample favorite foods from many countries.

“Our international students have helped us see the campus through a global lens and appreciate the many different cultures we are fortunate to have with us,” said Cyndi McMichael, assistant dean of students who leads LTU’s Office of International Programs. “The entire campus community comes together during our International Festival to celebrate our rich and diverse cultures.”

Last summer Lawrence Tech hosted its first Global Village



Student athletes often have their school spirit on display. Here varsity basketball player Allison Bicknell (standing) talks with teammates (from left) Hali Butler, Allison Kitchen, and Anne Tucker during lunch at Aramark's Real Food on Campus dining facility.

Continued

City of Southfield reaches out to LTU



3LAU rocks an enthusiastic crowd of LTU students with his electro house music during last fall's Homecoming concert at the Don Ridler Field House.

Project, a week-long program for college-age students and their families to promote better understanding of diverse cultures, countries, and faiths. LTU President Virinder Moudgil initiated the program to encourage frank discussions between international and American students.

More feedback from students

As dean of students, Finn is pleased to see more camaraderie and school spirit on campus, as well as higher numbers of students participating in activities. He also is getting more comments from students about campus life, including complaints and suggestions for how things could be done better.

When he first took the job seven years ago, students weren't nearly as forthcoming with their thoughts about campus life. Finn believes that the increase in the number of student comments is another indication of a healthy and vibrant campus life.

"We're getting a lot more feedback now, and overall that's a good thing," Finn said. "When we know what our students like and don't like, we can move with it. We've been able to build good lines of communication." □EP

In an era when almost any new expenditure of taxpayers' dollars is likely to incur citizen complaints, the Southfield City Council has taken the bold step of appropriating \$20,000 to pay half the cost of a student engagement coordinator at Lawrence Technological University.

Starting this summer, Phil Lucas, BSChB'12, will transition from some other duties on campus to focus on community relations. His mission is to foster relationships with the city government, business community, and residents of Southfield in order to develop activities that will give students more to do near the University.

"We want to create more of a 'town-gown' environment in the City of Southfield," Lucas said.

This initiative fits in with the city's long-term plan to create a downtown district along Civic Center Drive and Evergreen Road that will offer more services and entertainment venues. This summer a major reconstruction project begins on Evergreen between Northwestern Highway and I-696, and the Southfield City Centre district is taking additional steps to attract more commerce.

Last year the University introduced Tech Transit, a daily van service that provides transportation to the Tel-Twelve Mall area and the Evergreen Road commercial district. Getting a ride to Southfield businesses is especially helpful for international students, who typically don't have cars.

Giving students access to more activities nearby is another way to make LTU more attractive to prospective students.

"The University understands that it needs a strong city to support the high caliber of students it aims for. City officials understand that Lawrence Tech adds stature to Southfield and is also a potential customer base that can help attract more businesses here," Lucas said.

One of the starting points of this movement was the "Third Place" competition in 2012. LTU students were asked to design a "third place" hangout for when they were not in class or at home. Twelve teams entered, and some of the ideas generated by the contest were used by local entrepreneur Hassan Jawad in planning the Wingstop restaurant on Evergreen near campus.

"All the energy and enthusiasm generated by the contest got people in Southfield excited," Lucas said. □EP

Phil Lucas, second from right, talks with LTU students involved in the Tech Transit service that he helped set up in 2013.



At LTU's Student Leadership Awards Banquet in April, Student Government Executive Vice President Ariana Strieter and President Gjergji Prendi (at left) were congratulated on their election by Dean of Students Kevin Finn and the 2013-14 Student Government officers, Nicole Gerou, Kyle Converse, Shantel Miller, and Anthony Kadzban.



Uncommon *education*

Expanded entrepreneurial approach puts Lawrence Tech on cutting edge once again

This spring in a class on mechatronics at Lawrence Technological University, teams of three and four students had the task of designing, building, and testing a minesweeping robot that could find and mark three simulated land mines on a seven-foot-square playing field. Each team was given \$400 for supplies, and the students had to work together to come up with solutions that wouldn't be found in a textbook or in their lecture notes.

The students relied on each other to develop practical concepts and then implement them. Collective creativity and teamwork were the key to a successful outcome in this instructional module designed by Assistant Professor James Mynderse.

Although they may not have realized it, these students were learning the basics of problem-based learning (PBL) and active and collaborative learning (ACL), two teaching concepts that help students develop an entrepreneurial mindset.

"Students covered significantly more ground by working collaboratively when I incorporated the PBL modules," Mynderse said.

Leading the way

Since 2008, similar PBL and ACL modules have been added to 54 courses in LTU's engineering curriculum through training sessions held over the summer break. It's a quiet revolution made possible by ongoing funding from the Kern Family Foundation. (See additional stories on pages 7 and 50-51). Other

schools in the Kern Entrepreneurship Education Network (KEEN) have embarked on a similar path.

The ambitious goal set by the Kern Family Foundation grant and reinforced in subsequent grants is to incorporate this educational approach into all the courses that undergraduate engineering students take and therefore transform the way engineering is taught at LTU. Instructors have developed curriculum modules designed to prepare Lawrence Tech students to be both engineers and problem-solvers who can take an entrepreneurial approach to the decision-making process in business.

Professor Donald Carpenter and Associate Professor Andrew Gerhart of LTU's College of Engineering have taken the lead in this transformation, with Gerhart serving as chair of the Course Modification Committee.

Adding ACL and PBL to the engineering curriculum has been a long-term process. Each year the committee selects a new group of professors and instructors for four days of intensive training that begins shortly after the end of the academic year. Over the summer the professors develop a module that introduces ACL/PBL into the target course. The training continues for another two years.

James Mynderse (left) and his team discuss the best way to tackle an in-class assignment during a training session for problem-based learning and active and collaborative learning.

Continued

Uncommon educ

Andrew Gerhart and Donald Carpenter, who lead the ACL/PBL program at LTU, watch a faculty team complete an in-class task during a training session.

“It takes two years to wrap your head around this, and another year to work on the entrepreneurial mindset,” Gerhart said.

LTU is following the proverb that it’s better to teach someone how to fish instead of giving them fish, because then they will have fish for the rest of their lives. LTU professors learn how to develop their own course modules that employ ACL/PBL techniques so that they can continuously adjust and improve their courses from year to year. They also can incorporate modules developed by other professors.

“Perhaps no one else in the country is doing as much course modification as we are,” Gerhart said. “We were the first of the KEEN schools to approach course modification comprehensively across the entire engineering curriculum, including core curriculum courses. Lawrence Tech has subsequently taken a lead role in teaching other schools active learning methods.”

Getting students involved

PBL and ACL instruction puts students at the center of the learning process. In problem-based learning, students are asked to solve problems as a way of learning about a topic. In the process they develop their own problem-solving skills. Active and collaborative learning provides additional methods for students to gain an understanding of a topic by working in pairs, small teams, or as part of the larger classroom group. The experience is designed to prepare students for lifelong learning.

Carpenter believes that the faculty’s commitment of time and energy is paying off. “There will always be more prep time involved because you’re no longer satisfied with keeping the course static,” Carpenter said. “But it’s more fun for both the teacher and the students, and learning becomes contagious.”

The end result is a mixture of teaching and learning styles that reflects the subject matter – lectures for information that needs to be absorbed, a group discussion for brainstorming, or perhaps pairs for working out the details or research.



The revised courses devote much more time to problem-solving exercises. Students are asked to tackle problems that engineers or companies might face in the real world. They are asked to look at problems from the perspective of the ultimate user – the customer.

The result is closely aligned to Lawrence Tech’s “theory and practice” motto, but with a new twist. “We look at real-world problems first from the perspective of which theories can be applied,” Carpenter said. “We’ve gone to more of a ‘practice and theory’ model.”

Problem-solving process

Gerhart points out that traditional engineering education has focused on getting the right answer to complex problems, but there’s a realization that developing a good process is often more important than the actual answer. LTU engineering students are asked to go to the next step and consider what the answer means for the business and the customers.

For example, a mathematical exercise will identify the minimum tolerances for a project, but students are asked to find the optimal tolerances for the intended use. “Students may double those tolerances when they look at the big picture,” Gerhart said.

Encouraging creativity is one of the main goals of this approach, and that doesn’t come naturally for the current crop of American high school students, according to Carpenter.

“Current high school teaching is geared to the test. Although the trend may be reversing somewhat now, most high schools have been beating the creativity out of students,” Carpenter said. “Imagination is not as strong as it used to be.”

“I have seen the entrepreneurial education provide many insights on how to actually run a company.”

Using failure as a learning experience is another important part of the ACL/PBL process. Instead of marking answers wrong and moving on to the next lessons, these LTU professors ask students to fix their mistakes.

“It’s OK for students to fail at a task if they can learn from it,” Gerhart said. “We’ve found that it takes more than half a semester to get freshmen to understand this.”

Flexibility and familiarity with more than one area of engineering are critical competencies for today’s graduates.

“We ask students to play the role of an engineer so that they will be prepared for what the world demands of today’s engineer. They have to learn how to ask the right questions and to analyze the final result to see if it resolves the problem,” Carpenter said. “Today’s graduates are not headed for a cubicle. Much more is expected of them now.”

Reawakening creativity

Ben Bargman, BSME’12, found that his entrepreneurial education at LTU gave him a structure and vocabulary for tapping into his business instincts. “It helped me reactivate my dormant creativity, because we practiced all of those techniques,” he said.

Bargman is an exhaust development engineer at Calsonic Kansei. At this early stage of his career as an engineer in a large corporation he has not been called upon to use entrepreneurial thinking. But it was a different story when a friend asked him for some help with his small performance engineering company.

“I have seen the entrepreneurial education provide many insights on how to actually run a company,” Bargman said. “That would be a struggle for someone without such an education to learn on their own.”

As a NASCAR engine development engineer at General Motors, Matthew Meyer, BSME’12, finds himself constantly referring back to his entrepreneurial education at LTU.

“Without the problem-based learning I received, I would definitely feel reluctant to pursue the perplexing problems of pushing the limits of engineering that is required in the racing and motorsports industry. It is not uncommon that my colleagues and I have to find the answers to problems that no one around us has the slightest knowledge of,” Meyer said. “These are the times when I recall my engineering and entrepreneurial classes that taught us to solve tough problems together.” □EP

LTU leads national program to improve entrepreneurial engineering education

LTU’s expanded emphasis on entrepreneurial education for engineers has been made possible by a longstanding partnership with the Kern Family Foundation (KFF), which bases much of its funding on the premise that a solid background in engineering, coupled with an entrepreneurial mindset, is the key to meeting the challenges that America will face in a rapidly changing global economy.

In 2002, KFF began funding new educational programming at LTU. In 2009, the relationship expanded with a five-year, \$1.1 million grant to further integrate the entrepreneurial mindset into the education of undergraduate engineering students.

Lawrence Tech took an early leadership role in the Kern Entrepreneurship Education Network (KEEN), a collaboration of colleges and universities committed to strengthening the teaching and learning process by sharing best practices.

LTU was also a founding member of the Dynamic Compass Network, created by another Kern grant, which provides increased networking and collaboration for faculty and students with five other members of KEEN – Boston University, Kettering University, Saint Louis University, Gonzaga University, and Worcester Polytechnic Institute. A pilot project at LTU provided benchmarks for the network.

In 2011, KFF awarded grants totaling \$2.4 million over three years to the six universities to pursue a new model of sharing innovative practices through conferences, workshops, publications, and a website.

This year Lawrence Technological University has received a three-year \$697,000 KFF grant to support further expansion of entrepreneurial-minded learning. “We believe that this final phase of support will result in a comprehensive entrepreneurial education experience for our engineering undergraduates,” said LTU Provost Maria Vaz, the principal investigator for two of the Kern grants including the most recent one.

For more information on the Kern projects and the KEEN program at Lawrence Tech, see the stories on pages 50-51 or visit www.ltu.edu/entrepreneurship. □EP



LTU Provost Maria Vaz and Professor Sridhar Condoor of Saint Louis University accepted the Gold Edison Award in 2012 on behalf of the Kern Entrepreneurship Education Network (KEEN). The awards program honors innovation with the time-tested characteristics of visionaries such as Thomas Edison.

Multisensory lab opens new doors of perception

The Multisensory Lab in LTU's College of Arts and Sciences is creating new academic experiences for students with research projects that typically bring together multiple academic disciplines.

The circular, sound-proofed, 11-foot-diameter room allows faculty and students to run experimental procedures on a wide range of topics related to psychology. Ten amplifiers can be connected to 20 speakers, 20 sets of LED lights, and vibrational actuators to give a research subject a multisensory combination of aural, visual, and tactile stimuli.

The lab can be used to measure spatial cognition, linguistic perception and production, music cognition, and both spatial and nonspatial memory.

Assistant Professor Franco Delogu, who specializes in cognitive psychology, has built the lab in the past two years. As the lab's coordinator overseeing a wide range of projects, he makes an effort to involve students.

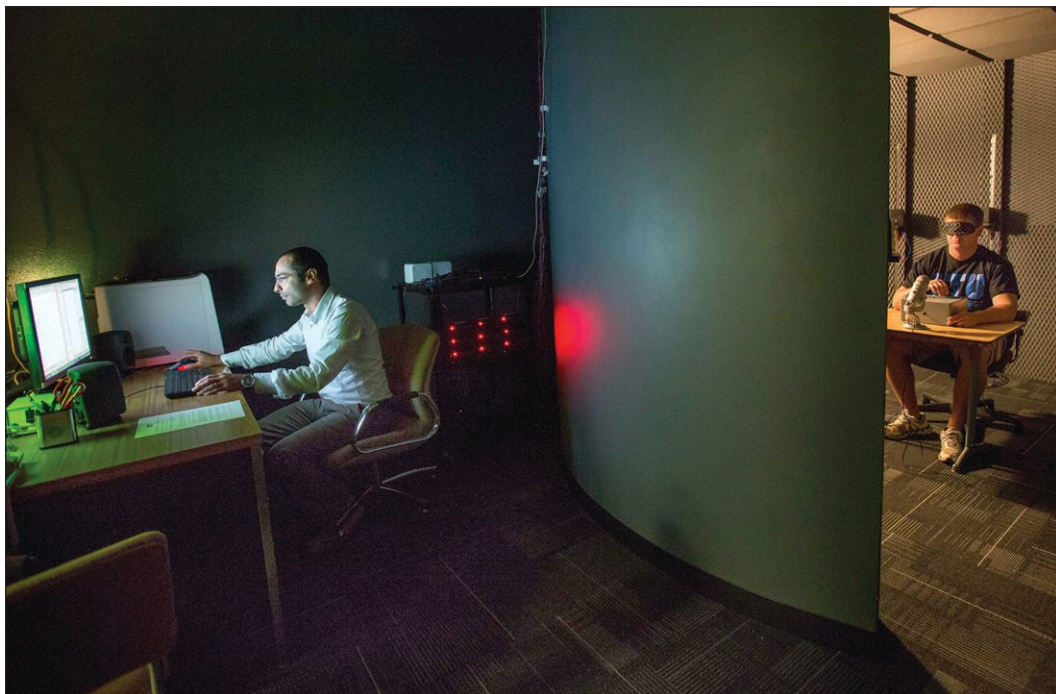
"It is well demonstrated that research-based learning helps not only students' motivation and commitment, but also the very quality of education," Delogu said.

One recent research project measured the subjects' ability to remember the location of a specific sound. A related issue is measuring the ability to focus on a single auditory source in a mix of other sounds, such as listening in on a nearby conversation in a crowded room.

The results are being compared to the capabilities of artificial hearing. "This is basic research that can help with building virtual reality systems," Delogu said.

Another experiment measures how simultaneous aural and visual inputs can influence the perceptions that the human brain gets from each source.

The lab has also been used for research on the influence of



Franco Delogu (left) monitors the responses of a participant in a research project in the Multisensory Lab.

personality traits on social conflict perception.

Six student researchers have been involved in the biggest experiment to date that looks at the ability of people in different countries to listen to and reproduce words from an unfamiliar language, in this case Arabic. Similar experiments are under way in Italy and China.

Delogu is having 240 student subjects repeat 70 Arabic sentences that they have never heard before. Student researchers handle many of the technical tasks, and two native speakers of Arabic measure the success of each speaker.

One of those judges is Bilal Sakbani of Syria, an electrical engineering major who first got involved in the Multisensory Lab through the installation of LED lights as part of an independent Quest study project.

"I'm learning a lot about psychology, and it's great for me to be working with a new team,"



The Multisensory Lab provides opportunities for students to explore new academic areas. Working together on a linguistics research study are (left to right, back) Phillip McMurray, Bilal Sakbani, and Andrew Gresko. In the front are Chris Yono, Amal Alattas, and Assistant Professor Franco Delogu.

Sakbani said.

Phillip McMurray, a pre-med freshman, set up a Quest project to fit the linguistics project. "I'm doing research as a freshman," he said. "Early in my college career I've already been involved in two experiments and have presented a poster at a conference."

Another member of the linguistics experiment team is Chris Yono, who is now pursuing a

master's degree in computer science after earning his bachelor's degree in psychology in 2013. "We're all different gears in the machine," he said of the linguistics project. "We all work toward a goal while simultaneously getting help from the professor on our own projects." □EP

College of Management opens Hall of Fame with 4 inductees

LTU's College of Management unveiled its new Hall of Fame on May 9 with the induction of the inaugural class consisting of three administrators – Catherine Lawrence Graeffe, Edwin “Doc” Graeffe, and Leland Lahr – and Keith Pratt, BSIM’82.

LTU President Virinder Moudgil and College of Management Dean Bahman Mirshab presided over the ceremony to launch the Hall of Fame display in the corridor near the Office of the Dean of Management.

Longtime LTU supporter Catie Burke attended the ceremony on behalf of her deceased parents, Edwin and Catherine Graeffe, both of whom played key roles in the founding of the University and the College of Management.

The sister of Lawrence Tech’s first two presidents, Russell and E. George Lawrence, Mrs. Graeffe was an integral part of the creation and success of the Lawrence Institute of Technology. She was the first signatory on the original articles of incorporation, and she and her husband provided much needed financial backing for the new university.

Mrs. Graeffe helped register new students, process bills, and manage financial accounts. She didn’t accept a paycheck until after she became a librarian.

Graeffe was the founding dean of the College of Management and served Lawrence Tech for 40 years. Affectionately called “Doc,” he was a larger-than-life figure to the students he encountered, which was literally the entire student body.

Brussels-born and German-educated, Graeffe had a booming voice, an accent, saber scars, and a worldly and urbane countenance that made a lasting impression on generations of students. He used

his broad experiences to expose them to global culture and international business practices.

Lahr launched his own company in his mid-20s, so he had the experience to help his students understand what it takes to run a business effectively. He began his 31-year tenure at Lawrence Tech in 1964 and served as the College of Management’s second dean from 1970 to 1979, when he returned to teaching.

Lahr helped hundreds of students at Lawrence Tech prepare to start their own companies and thrive in the business world. He specialized in teaching marketing and management and initiated an entrepreneurship and small business program.

He “retired” in 1995 and continued to serve the College of Management in a variety of roles as professor emeritus. His book, “Minding Your Own Business: Prepare to Run One,” was published in 2011.

After working for General Motors and IBM, Pratt founded Panda Precision Inc. in 1993 and then acquired Schwartz Industries, calling his new venture Shared Vision LLC. Based in Warren, the company produced precision machined parts and sub-assemblies for clients in the aerospace, automotive, defense, heavy equipment, and medical industries.

Components created by Pratt’s companies have been used on Mars, in the Hubble Space Telescope, and in artificial hearts. He sold his business in 2013.

Pratt received LTU’s Alumni Achievement Award in 2008 and has also served the University in a number of volunteer capacities. □EP



Attending the unveiling of the College of Management’s Hall of Fame were (left to right) LTU President Virinder Moudgil, Catie Burke, Leland Lahr, and College of Management Dean Bahman Mirshab.

Women’s lacrosse team records 4 wins in inaugural season

The Lawrence Tech Women’s Lacrosse Team finished its inaugural season with an overall record of 4–10 and 2–8 in the Wolverine Hoosier Athletic Conference (WHAC). LTU proved the program is off to a promising start by defeating three other first-year programs (Illinois Tech, Oklahoma Baptist, and Lourdes) by a combined margin of 75–31.

LTU was seeded fifth in the WHAC post-season tournament, but lost in the first round to Siena Heights University, 19–11.

Co-captain Alyssa Shaver was

named to the All-Conference First Team on the strength of 68 goals and 15 assists. Freshman defender Kendra Venema and freshman midfielder Kadijah Kalo, who scored 42 goals and assisted on 21, were named to the All-Conference Honorable Mention Team.

Even though she hadn’t played lacrosse previously, goalie Alyse Finley ranked second in the WHAC in saves per game with 10.40. She joined Shaver on the All-Academic Team of juniors and seniors with a 3.25 GPA or higher. □EP



Alyssa Shaver provided leadership and scoring punch in the inaugural season of women’s lacrosse at Lawrence Tech.

World class: LTU takes second in Formula Hybrid competition

Despite a series of setbacks, LTU's Formula Hybrid team finished second for the second year in a row at the annual international competition held at the New Hampshire Motor Speedway April 28 – May 1.

LTU's team finished first in the autocross race and second in

endurance race. It ended up with 253.63 points, just eight behind the University of Idaho in the 12-team Hybrid Drive Class.

Lawrence Tech could have overtaken Idaho with two more laps in the endurance race, but fell short when the spokes on the

right rear wheel broke after 16 laps, putting the LTU vehicle out of commission.

"This is a great competition, and we love being part of it. This year we came very close to taking it all," said Associate Professor Rob Fletcher, the team's faculty advisor. "We were dealing with electrical issues right up to the driving events. We need to come ready to race."

That turned out to be a very

high hurdle this year. The only two teams that competed in the acceleration and autocross races were Dartmouth College and the University of Vermont, which finished first and second, respectively, in the Electric Drive Class.

LTU crossed the finish line first when it went up against those two teams in the autocross competition, and also finished ahead of them in the endurance race, which was won by the University of Michigan.

Completing the autocross race was the high point of the four-day competition for the LTU team. But that was quickly followed by the low point when the team was disqualified on a technicality. The loss of those points ultimately cost LTU the championship.

The Formula Hybrid competition sets a very high standard for racing. Only five of the 21 teams in the two divisions answered the bell for the Endurance race finale. Yale University, which edged out LTU for first place in the Hybrid Drive Class last year, failed to make it around the track even once.

"This is a very hard competition. Some teams that I talked to don't plan on coming back," Fletcher said. "But this is where I want our team to be. We want it to be tough. That is what makes it such a fantastic competition."

The wheel failure was symptomatic of the financial challenges LTU faces when competing against much larger universities. LTU was still using wheels salvaged from the 2010 racing vehicle because there were limited funds in the budget for new equipment. Racing teams are advised to have new wheels every year due to the high stress and loading on equipment in a racing environment.

"Racing is expensive and we appreciate our corporate sponsors and all those who contributed money and materials to our team," Fletcher said. □EP



Members of the LTU Formula Hybrid team are (left to right, back row) faculty advisor Rob Fletcher, Matthew Haggard, Zach Ketner, San Wong, Donald Henderson, Joe Polizzi, Joe Falzon, Nicholas Pakledincz, Matt Moyer, Jared King, Dan Victorson, and Jim Cass. In the front are Adam Tallman, Johnny Agrusa, and Eric Onan. (Missing: Ryan Tietz.)

Welch named LTU trustee

Joseph Welch, the chairman, president, and CEO of ITC Holdings Corp. based in Novi, joined the Lawrence Technological University Board of Trustees in January. The board establishes strategic direction, helps formulate and approve major institutional policies, and hires the University's executive team. Trustees serve without compensation.



Joseph Welch

ITC has become the largest independent electricity transmission company in the country, with high-voltage transmission systems serving the majority of Michigan's Lower Peninsula and portions of Iowa, Minnesota, Illinois, Missouri, Kansas, and Oklahoma. Through its subsidiaries, ITC serves a combined peak load exceeding 26,000 megawatts along 15,000 circuit miles of transmission line.

The company also focuses on expansion in areas where significant transmission system

improvements are needed through ITC Grid Development and its subsidiaries.

Welch is the co-author of "Competitive Energy Markets: The Power of Choice." His company recently established a scholarship fund at LTU. (See page 48.)

"Mr. Welch is a valuable addition to our board because of his experience as a leader in his field, as an electrical engineer, and as an entrepreneur," said Lloyd Reuss, chairman of the Board of Trustees. "LTU recently added a concentration in power engineering, so his knowledge of current and emerging industry needs will be especially helpful." □EP

Official presidential portrait of Lewis Walker unveiled

The official portrait of Lawrence Technological University's sixth president, Lewis N. Walker, was unveiled at an April 24 ceremony. It will hang with the portraits of Walker's five predecessors in the "Hall of Presidents" outside the

trustees' board room on the top floor of the A. Alfred Taubman Student Services Center.

Walker served as president of Lawrence Tech from 2006 to 2012. He had been the University's chief academic officer

and provost for 12 years and then served as chancellor for a year after he stepped down as president. He now teaches in the Department of Electrical and Computer Engineering.

"Dr. Walker was an innovative and active leader," said LTU President Virinder Moudgil.

Under Walker's stewardship as provost, LTU became Michigan's first wireless laptop university, and the program that provides personal computers for all undergraduates, the LTU Zone®, remains a distinguishing feature of the LTU educational experience.

As president, Walker guided the University through the most challenging economic era since the Great Depression with the "Recovery Starts Here" program

that gained national attention. It established special scholarship funds and new degree and "fast-track" certificate programs in emerging economic sectors to help underemployed and displaced workers make rapid transitions to new careers.

Walker championed the creation of more than 40 new academic programs, through the doctoral level, with many online.

He also worked to assure leadership experiences in all four years of the undergraduate programs – a rare and value-added distinction among American colleges and universities.

During his tenure LTU gained admittance to the National Association of Intercollegiate Athletics and began adding varsity athletic teams. He launched planning for LTU's third student housing center, which will be completed in time for the 2015–16 academic year. *(See story on the back cover.)*

Walker's presidential portrait is the first at LTU to be digitally rendered from a photograph. □EP



Former LTU President Lewis Walker and his wife, Nancy, pose with his official portrait at the unveiling ceremony in April.

LTU named national organizer for World Robot Olympiad

Lawrence Technological University has been named the national organizer for the United States for the World Robot Olympiad Association (WRO-USA), which runs a global LEGO robotics competition that draws participants from around the world.

The Olympiad started in Singapore in 2004. This year over 17,000 teams are participating. Each country has its own competition, and the winning teams from each country are invited to attend the World Robot Olympiad to compete for gold, silver, and bronze medals. This year's finals competition is scheduled to be held in the Olympic city at Sochi in Russia Nov. 21-23.

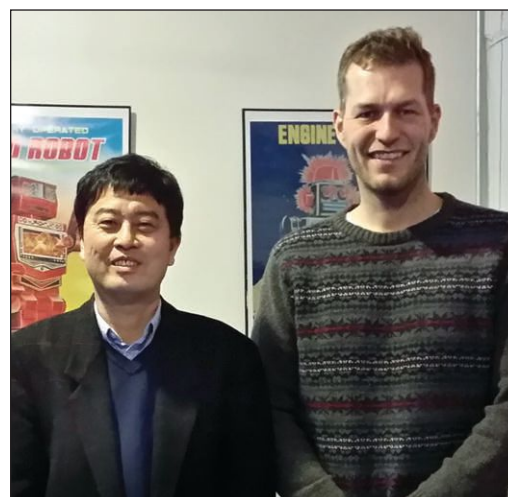
WRO Secretary General Claus

Ditlev Christensen reached an agreement with Professor CJ Chung to have Lawrence Tech organize local tournaments throughout the United States and then hold a national finals competition where teams will be selected to represent the United States at Sochi.

The USA national finals are scheduled to be held at Lawrence Tech in September.

Chung, who teaches computer science at Lawrence Tech, was selected to lead WRO-USA because of his leadership role in LTU's Robofest, which he founded in 2000.

"Robotics is a game changer in many fields, including education, since it provides a true interdis-



LTU Professor CJ Chung (left) met with World Robot Olympiad Association Secretary General Claus Ditlev Christensen of Denmark.

plinary hands-on STEM learning environment. The World Robot Olympiad will bring new playful

learning fields to U.S. students," Chung said. □EP

Marburger Awards recognize outstanding contributions

The Mary E. and Richard E. Marburger Fund For Excellence in Achievement Awards for 2014 were presented April 23 at a reception hosted by President Virinder Moudgil and Provost Maria Vaz. The recipients are:

- Staff Person of the Year: Gretchen Weiner, reference librarian and head of reference services.
- Faculty Member of the Year: Assistant Professor Selin Arslan of the A. Leon Linton Department of Mechanical Engineering.
- Administrator of the Year: Jane Rohrback, director of the Office of Admissions.
- Champion of Institutional Excellence and Pre-eminence: Professor David Bindschadler, chair of the Department of Mathematics and Computer Science.

The annual Marburger Awards come with a \$1,000 stipend from a fund started with donations on the occasion of Marburger's retirement as LTU's president in 1993. The president emeritus continues to fund the awards and also volunteers his time to the University on an almost daily basis. He attended the awards presentation with his son, Dennis, and his daughter, Kathryn Charles, both LTU graduates.

Weiner joined the staff of LTU's library in 1999. Library Director Gary Cocozzoli said many faculty have praised her impact on their research and her presentations to students. She has also worked with faculty and staff to introduce new online products and services, including the new library system that has greatly enhanced the students' research experience.

Since 2004, in her role as reference librarian she has worked closely with College of Management students, especially the doctoral students.

Rohrback came to Lawrence

Tech in 1994 as an admissions counselor and served as assistant director before becoming director. She developed LTU's territory management system for student recruitment, regional counselor positions, and LTU's out-of-state recruitment strategy. She also has restructured the scholarship awards to make LTU more competitive.

A native of Turkey, Arslan joined the LTU faculty in 2010. She has consistently received

outstanding evaluations from her students and is known for excellent lectures that are made more engaging with a bit of humor.

She advises doctoral and master's students, conducts research, and serves as program director of the MS in mechanical engineering program. Recently she helped revitalize the LTU student chapter of the American Society of Mechanical Engineers.

Bindschadler, who retired at the end of the 2013-14 academic year, embodies LTU's emphasis on theory and practice. He taught at Wayne State University for nine years and then worked for 13 years at EDS, where he developed

software for General Motors' CAD/CAM graphics systems now called PLM Software.

He joined LTU in 1999 as chair of the Department of Mathematics and Computer Science. His experience and expertise were essential in the development of programs in robotics and embedded software engineering within LTU's College of Engineering. He added the concentration in game software development in the undergraduate computer science program and played a role in the design of the game art curriculum in LTU's College of Architecture and Design. □EP



This year's recipients of the four Marburger Awards gathered at the April 23 presentation ceremony. From left to right are LTU President Virinder Moudgil, Jane Rohrback, President Emeritus Richard Marburger, Gretchen Weiner, David Bindschadler, Selin Arslan, and Provost Maria Vaz.

Lady Blue Devils set school record with 116 points

The Lawrence Technological University Women's Basketball Team set a school record for most points in a game with the 116-87 victory over Madonna University at the Ridler Field House on Feb. 19.

Lawrence Tech finished the night shooting a season-high 54 percent from the field, 57 percent from the three-point area, and 76 percent from the free-throw line.

Six Blue Devils scored in double figures, led by senior Jackie Hood with a season-high 23 points. Junior Brenda Davis shot eight-of-12 from the floor for a

career-high 22 points, while dishing out 10 assists for her first-ever double-double. Sophomore Allison Bicknell buried six three-pointers, tying a career-high with 18 points.

A trio of freshmen, Makenzie Svihra, Maegan Branham, and Allison Kitchen combined for 45 points and 12 rebounds.

The Lady Blue Devils ended their second season with an overall record of 10-16. They were 8-14 in the Wolverine Hoosier Athletic Conference. □EP



Junior Brenda Davis scored a career-high 22 points when the LTU Women's Basketball Team set a scoring record with 116 points against Madonna University.

Students win top award in national architectural engineering competition

A team from Lawrence Technological University finished first in the integration category of a national student design competition sponsored by the Architectural Engineering Institute (AEI) of the American Society of Civil Engineers.

The Charles Pankow Foundation Annual Architectural Engineering Student Design Competition was held at the AEI's annual student conference in Philadelphia in March. It attracts teams from the country's leading architectural engineering programs.

Lawrence Tech took first place in integration, the only required category in the competition. The team also earned two runner-up awards in the mechanical design and electrical design categories.

This year's challenge was to

address the design, integration, and construction issues for a high-rise office building in San Francisco. Students worked in multidisciplinary teams to inte-

grate the engineered systems with building architecture while emphasizing sustainable design.

The Pankow competition calls into play many of the practices



Members of LTU's team that took first place in the main category of the Pankow architectural engineering competition are (left to right, back row) Kevin Lambert, Breanne May, Zachary Lahrman, Michael Paciero, and Michael McMurphy. In the front are Rachel LaCasse, Francesca Montana, Elizabeth Ozzello, and Timothy Truitt.

that students have studied in LTU's five-year master's degree program in architectural engineering, which has an architectural design core along with the engineering curriculum. This multidisciplinary approach places emphasis on optimizing building design through the integration of engineered systems. Lawrence Tech's program is one of about two dozen in the country.

The nine students in the first cohort of the LTU program entered the Pankow competition as their master's degree capstone project.

"These awards recognize the talents and caliber of our students and are a testament to their academic preparedness," said Filza Walters, director of LTU's architectural engineering program. "The level of innovation, professionalism, and poise our students have attained is now being recognized."

□ EP

LTU team named second fastest in Canadian concrete toboggan race

Lawrence Tech's first foray into Canada to compete in the Great Northern Concrete Toboggan Race (GNCTR) proved to be memorable as the rookie team brought home three awards and bragging rights as the world's second fastest concrete toboggan.

Canadian universities have been competing in the GNCTR since 1975. A few American teams have competed in the past, but LTU was the only entry this year from south of the border. This year's competition was hosted by Western University in London, Ont., Jan. 29 – Feb. 2.

Teams designed a toboggan to safely transport five people with skis entirely composed of concrete. The weight limit was 300 lbs., and LTU's toboggan, named

"Made in Michigan," was one of the lightest at 220 lbs.

The LTU team faced a major challenge on its first run in the Giant Slalom, a 400-foot Black Diamond course with three gates. "Made in Michigan" passed through each gate without a hitch, finished in 8.55 seconds, and reached a top speed of 24.8 mph – the second fastest of the entire competition behind the University of British Columbia at Okanagan. That performance earned LTU the award for the Most Spectacular Run.

Representing Lawrence Tech on the toboggan slopes in January were (left to right, back) Chris Bragg, Travis Ferrier, Jared King, Kimberly Klieber, and Jordan Britz; and in the front, Captain Felicia Koch and Yat Hui.

LTU also took home the awards for Best Rookie Team and Best Steering Performance.

"Overall, it was an exciting and amazing experience, and we

can't wait for next year," Captain Felicia Koch said. "We got to meet so many amazing engineering students from all across Canada."

□ EP



Men's lacrosse team wins its division

In just its second season, the Lawrence Technological University Men's Lacrosse Team finished atop the standings in the Central Collegiate Lacrosse Association's North Division. But in its first playoff game ever, LTU lost in double overtime to Siena Heights University, 11-10.

The Blue Devils, who had beaten Siena Heights by one goal during the regular season, ended up with a 7-4 record.

Head Coach Kevin Riley said that all the newcomers in his second season of recruiting had a positive impact. "Frankly, I was very surprised we did so well. I was hoping for a .500 season," Riley said. "But we started playing as a team and we started winning games."

Senior Bryan Burnham led the team with 30 goals, and he and fellow senior Justin Killewald both

had 15 assists. The Blue Devils will have plenty of scoring punch returning next year with freshman Tim Popp (28 goals, 12 assists), junior Justin Clark (23 goals), and freshman Gabe O'Neil (15 goals, 10 assists). □EP

Lawrence Tech lacrosse goalie Adam Gohl was named Player of the Week by the Wolverine Hoosier Athletic Conference.



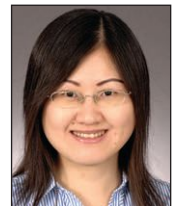
Liu wins SAE educational award

Assistant Professor Liping Liu of LTU's A. Leon Linton Department of Mechanical Engineering has won the national 2014 SAE Ralph R. Teetor Educational Award in recognition of her outstanding contributions to SAE's engineering

education initiatives.

Established in 1963, the SAE Teetor Award recognizes outstanding young engineering educators for their academic training, contributions to teaching and research, and participation in extracurricular

student involvement. The program provides opportunities for the award winners to connect with practicing engineers in their fields.



Liping Liu

Liu joined the LTU faculty in 2010 and completed her PhD in mechanical engineering at the University of Illinois in 2011. Her research addresses a variety of topics in thermal fluids, and she has published over 30 peer-reviewed journal and conference papers. She played a key role in establishing LTU's Particle Image Velocimetry Lab and serves as its co-director.

Her work has provided students with more research opportunities, and she has strengthened the curriculum in experimental fluid mechanics and numerical heat transfer.

Liu serves as the faculty co-advisor for both the SAE chapter at LTU and Blue Devil Motorsports, the umbrella group for three SAE racing teams and the Formula Hybrid team. □EP

Men's bowling team shares conference title

The Lawrence Technological University Men's Bowling Team tied for first place in the Wolverine Hoosier Athletic Conference (WHAC) and established itself as a national contender in the National Association of Intercollegiate Athletics (NAIA).

The Blue Devil bowlers won two of the four WHAC tournaments before finishing third in the conference championships.

LTU amassed enough points to qualify for the XBowling Intercollegiate Team Championships held in Pennsylvania, where freshman Brian Busch finished second among individual bowlers. He had a six game series of 1346 with a high game of 278 pins.

Busch's efforts led Lawrence Tech to a ninth-place finish out

of 19 teams while earning him a ticket to nationals. Four other Blue Devils finished in the top 50 out of 157 bowlers – junior Scott



Kujawa, 1238; freshman Blake Nottle, 1224; sophomore Nick Mikealian, 1173; and freshman Jeff Pietryka, 1155.

"We came up a little short on the pin totals to make it to the Team Championships in Reno," said Head Coach Bryan Bressler. "What we have to remember is that this team is young, very talented, and we will return next year with what we learned over this weekend."

The Blue Devils finished out the season with a win and two losses at the NAIA championships. □EP

Freshman Brian Busch finished second among individual bowlers at the XBowling Intercollegiate Team Championships in March.

LTU celebrates King's life and legacy



LTU President Virinder Moudgil (center) and College of Management Dean Bahman Mirshab posed with members of the LTU chapter of the Phi Beta Sigma fraternity before joining several hundred LTU students, faculty, and staff in the 29th annual Martin Luther King, Jr., Day Peace Walk in Southfield in January. Fifteen LTU students completed a service project at Vista Maria later in the day.

Groundbreaking ceremony for LTU's new design center in Detroit

Lawrence Tech leaders joined other stakeholders at a December groundbreaking ceremony for the building (at right) that will be the home of LTU's new Detroit Center for Design + Technology. Midtown Detroit Inc. is the developer of the commercial building on the northwest corner of Woodward and Willis scheduled to open in early 2015. Several LTU programs will be consolidated or expanded in the new center, including the Detroit Studio, DetroitSHOP, and Studio Couture, which will all be moving from other locations in Detroit.



Alumni Achievement Awards presented at commencement

Two female executives with degrees in electrical engineering and the CEO of a prominent company in Germany received Alumni Achievement Awards at Lawrence Technological University's 82nd commencement exercises on May 10 at the Ultimate Soccer Arenas in Pontiac.

The three Alumni Achievement Award recipients were:

- Judith Curran, BSEE'83, the vehicle line director of Global CD Vehicles at Ford Motor Company.
- Elizabeth Howell, BSEE'92, vice president, operations, of ITC Holdings Corp., the nation's largest independent electric transmission company.
- Gordon Riske, chief executive officer of KION Group AG in Germany, which is the world's second largest manufacturer of forklift trucks and warehouse technology. He was an electrical engineering student at Lawrence Tech from 1976-81.

Curran oversees the worldwide development and launch of Ford vehicles, including the Fusion, Edge, SMax, Galaxy, and Mondeo, which are manufactured at assembly plants in Michigan, Mexico, Spain, Russia, Canada, and China.

Curran's first job after graduation was with the Hamilton Standard division of United Technologies where she worked on the design of fully electronic turbine engine controls used in cruise missiles, helicopters, and jets. When she started at Ford in 1986, she worked on the first electronic controls for fuel injection in engines, and on the first electronic control to manage the shift strategy of automatic transmissions. She worked in software and control systems for 12 years and was awarded eight U.S. patents.

During 28 years at Ford, Curran has held positions of increasing responsibility, including director

of vehicle evaluation and verification, responsible for overseeing vehicle testing facilities throughout North America. Curran also spent three years as the vice president of engineering at Ford subsidiary Automotive Components Holding LLC.

Curran has championed outreach to LTU's 1,200 alumni at Ford and has helped increase the company's recruiting on campus. As a member of LTU's College of Engineering Advisory Board, she recently championed Ford's support of LTU's new embedded software engineering degree.

Howell is responsible for the operation of the high-voltage electric transmission system of ITC's operating subsidiaries, including more than 15,000 miles of interstate transmission lines in seven states, including Michigan. In addition, she oversees ITC's compliance with the mandatory reliability standards of the North American Electric Reliability Corporation (NERC).

She previously was the direc-

tor of operations and manager of the Michigan Electric Coordinated Systems Control Area. She joined ITC during its initial startup in 2003 and led the successful operational integration of two major acquisitions. She began her career as an engineer at DTE Energy.

Howell serves on both the College of Engineering Advisory Board and LTU's Capital Campaign Steering Committee. She championed a recent gift of \$250,000 to create the ITC Power Engineering Endowed Scholarship at Lawrence Tech and has created the Elizabeth A. Howell Endowed Scholarship Fund in Electrical Engineering.

Riske is chief executive officer of KION Group AG, which he joined as chief operating officer and a member of the management board in 2007, as well as chief executive officer of Linde Material Handling GmbH. He became CEO of KION Holding 1 GmbH and KION Material Handling GmbH in 2008.

The KION Group is the European market leader and the world's second largest manufacturer of forklift trucks and warehouse technology, and is one of the leading international suppliers in that sector in China. The KION

Group has a global presence with products, services, and solutions provided by its six brand companies. In 2013, it generated revenue of around \$4.5 billion with a workforce of more than 22,000 people.

Prior to joining KION Group, Riske chaired the management board of Deutz AG in Cologne, Germany, from 2000 to 2007, and held senior positions at KUKA from 1982 to 2000, including CEO of KUKA Robot Division.

Riske started his career as an electrical engineer at DeVlieg Machine Company in Royal Oak. Following his electrical engineering studies at LTU, he received a Bachelor of Business Administration from the Oekreal School of Business in Switzerland. He is a German and U.S. national.

□BJA

Alumni Achievement Award recipients Elizabeth Howell, Judith Curran, and Gordon Riske met with LTU President Virinder Moudgil (left) and Board of Trustees Chairman Lloyd Reuss (right) prior to this year's commencement exercises.





50th anniversary celebration

Members of the class of 1964 attended the Jubilee Society Brunch in April for their induction into the exclusive society that honors alumni of Lawrence Tech and the Detroit Institute of Technology who graduated 50 or more years ago. In back, left to right, are Neil Karl, Frederick Jelley, Ken Cook, Ralph Deshetsky, and Robert Brown. In front are Thomas O'Connor, Robert Wegryn, Robert Kamin, Richard Wilton, and Fred Ciampa.

Mitchell and Osterhoff win Donley Awards

Sheryl Warren Mitchell and Stephen Osterhoff are the 2014 recipients of the Ed Donley Distinguished Graduate Awards presented annually by the LTU Alumni Association to one male and one female graduating student for excellence in academic, community, and campus leadership.

Osterhoff received his bachelor's degree in biomedical engineering. He was president of the Alpha Eta Mu Beta Biomedical Engineering Honor Society, a member of the Tau Beta Pi Engineering Honor Society, and is the recipient of the 2014 Biomedical Engineering Outstanding Student Award. He also participated in the 2012 Intelligent Ground Vehicle Competition and the Biomedical Engineering Society and volunteered at Robofest events.

This year Osterhoff completed research on low-cost microfluidic devices while maintaining an internship. He is employed by

Terumo Cardiovascular Systems and plans to pursue a master's in electrical engineering.

Mitchell earned a doctorate of business administration this year. Since 1997 she has been a senior analyst for the Oakland County Board of Commissioners. The title of her dissertation was "An Exploratory Study of Priority



LTU President Virinder Moudgil (right) presented the Ed Donley Distinguished Graduate Award to Sheryl Warren Mitchell and Stephen Osterhoff at the commencement exercises in May.

Obama appoints Lawrence Tech alumna

Nina Ahmad, BSCh'83, is one of 14 members of the President's Advisory Commission on Asian Americans



Nina Ahmad

and Pacific Islanders created by President Barack Obama in April.

Obama charged the new commission with working to improve the quality of life for these ethnic groups through increased participation in federal programs. The commission members will advise the president on innovative ways to engage Asian Americans and Pacific Islanders across the country and to improve their health, education, environment, and well-being.

Ahmad, who has a PhD in biological chemistry from the University of Pennsylvania, is co-owner and executive vice president of government affairs for JNA Capital, Inc., a real estate finance and development company based in Philadelphia that she helped found in 1994. She also serves as the administrator of Global City Regional Center, LLC.

Previously Ahmad held a joint assistant professorship at Wills Eye Hospital and at the Ophthalmology Department of Jefferson Medical College. She also served as director of molecular biology for the Wills research department.

In 2009, she was appointed chair of the Philadelphia Commission on Asian American Affairs. □EP

Based Budgeting: Identification of Public Values and Public Priorities through Citizen Engagement in Government Budgeting Decisions."

She also co-authored an academic article, "U.S. Army Business Transformation Journey to Discovering Sustainability."

She chaired the Parks and

Recreation Commission in West Bloomfield for two years. She has served on several other government and civic boards and was appointed to the Michigan Women's Commission by Gov. Jennifer Granholm.

The Donley Award comes with a gold signet ring courtesy of Balfour Artcarved Rings. □BJA

Business founder and innovator awarded honorary degree

Successful entrepreneur A. Leon Linton, BSME'62, gave the commencement address and received an honorary doctorate in engineering at Lawrence Technological University's 82nd commencement exercises on May 10. The university awarded more than 850 degrees and certificates to the class of 2014.

Linton founded Southern Systems, Inc. (SSI) in 1968 to design, manufacture, and install conveyor systems, automation equipment, and electrical controls on a turnkey basis. The company serves manufacturers of heavy trucks, construction equipment, military tanks, oil field pipe, aircraft, furniture, and appliances.

Projects at SSI range from small system modifications to multimillion-dollar green-field programs. SSI conveyors are used in the manufacture and processing of small products, weighing only a few ounces, to unit loads of over 100,000 pounds, and almost every shape and size in between.

SSI, which has two facilities in Memphis, Tennessee, and a branch in Ft. Smith, Arkansas, is

also one of the few companies in the nation capable of slipform continuous-pour concrete construction of massive silos and related equipment associated with ethanol production, cement manufacturing, pet food processing, and coal handling and storage.

Linton's many achievements include several innovations that have become industry standards.

Linton attended night classes at Lawrence Tech while working in the millwright trade in construction and installation of conveyor systems, machinery, and automation equipment. While still a student, he joined Jervis B. Webb Company where he expanded his skill set for manufacturing. His evening courses at LTU quickly paid dividends on the job.

He has fond memories of his college instructors. "These teachers took a real interest in helping me, and others, 'get through school.'" Some professors would stay, even at the end of a late night class, to help me and others understand a particular problem," he said. "This dedication was especially meaningful to young,

would-be engineers, as we all needed encouragement."

Linton's family had moved from the South when he was 12 and he returned after completing his degree. He opened a one-man office for Webb in Memphis, where he did engineering sales in the region and continued to serve other Webb offices and facilities nationwide. He founded his own company six years later.

Linton is one of Lawrence Tech's most generous supporters. In 2008, the University's Department of Mechanical Engineering was named in his honor, reflecting his outstanding professional contributions and support. He is a member of LTU's Capital Campaign Steering Committee and a previous winner of the Alumni Achievement Award. □BJA



A. Leon Linton received his honorary degree and citation from LTU Board of Trustees Chairman Lloyd Reuss (left) and President Virinder Moudgil (right) at the commencement exercises in May.

100 years young



Edward Lesniak, BSME'39 DIT, was the oldest alumnus to attend the Jubilee Society Brunch in April. His 100th birthday was celebrated with a cake from the University.

Calling all LTU alumni classic car buffs!

Kick off the 2014 Woodward Dream Cruise by joining alumni classic car enthusiasts and displaying your antique, customized, restored, or special-interest car or truck on **Thursday, Aug. 14**, beginning at 5 p.m. Registration is free, and there will be prizes and awards.

The host is DASI Solutions located at 31 Oakland Avenue in downtown Pontiac. This site, provided by David Darbyshire, BSME'87, is near the route of the Woodward Dream Cruise. Enjoy refreshments and opportunities to network with fellow alums and friends of LTU.

For information, contact Lauren Morris, director of alumni relations and annual giving, at lmorris2@ltu.edu or 248.204.2309. Or register online at www.ltu.edu/classiccars.asp. Please pass the word to fellow classic car enthusiasts. Hope to see you there!

Serial entrepreneur finds another winning strategy

John Sammut, BSBA'88, BSEE'88, was the president and CEO of EPIC Technologies, LLC, as the multinational electronics manufacturing services (EMS) provider grew from \$3 million to \$300 million in revenues over 10 years before it was sold in 2011. Now he is leading another EMS provider on the path to dramatic growth.

Two years ago Firstronic, which has its main manufacturing plant in Grand Rapids, had \$8 million in revenues. Revenues should surpass \$30 million this year and are projected to exceed \$75 million by 2016.

In the process, Sammut and his partners are demonstrating that American companies can compete in global markets even with the handicap of relatively high wages.

But that's not all. By end of this year Firstronic will open a plant in Mexico to accommodate customers like Volkswagen and Audi that need Mexican-made electronics parts for their assembly plants in Mexico. Firstronic has also established joint ventures in China, the Czech Republic, and India.

Firstronic is a contract electron-

ics component manufacturer that has its base in the automotive industry, but is now expanding into medical equipment, industrial controls, and LED technologies.

Employment at the Grand Rapids plant has grown from 45 to over 180 and should reach the plant's capacity of around 300 by 2016. Last year the company announced it would invest \$2.45 million at its Grand Rapids location and also won a \$300,000 performance-based grant from the Michigan Business Development Program.

"At Firstronic, we've been proving that 'Made in the USA' – and more importantly, 'Made in Michigan' – is still a cost-competitive option," Sammut told the *Grand Rapids Business Journal* last year.

Sammut is a leader in the "reshoring" movement that brings jobs back to the United States even though labor costs are much higher here. Firstronic is winning contracts away from foreign competitors, and exports to other countries now account for 75 percent of its business.

From Sammut's perspec-



Firstronic CEO John Sammut at the company's production facility in Grand Rapids.

PHOTO COURTESY OF GBRJ.COM/JIM GEBBEN

ive, the key to success is an experienced management team that includes several executives who worked with him at EPIC Technologies. "We're highly efficient because we've implemented a high degree of automation and use lean manufacturing tools and systems that we've developed, so that labor becomes a relatively small percentage of the cost of goods sold," he said. "We've developed a lot of software tools and automated systems that allow us to be very efficient and competitive globally."

Sammut was recruited to lead Firstronic by fellow LTU alumnus Peter Barclae, BSEE'85, who is the company's chairman and majority shareholder. Barclae put together a financial package to purchase the business from a German auto supplier that was in financial straits due to the deep recession. Sammut and Barclae teamed up to develop a strategy for building up the acquisition.

Lawrence Tech and its Phi Kappa Upsilon fraternity have played a big role in Sammut's business career. He remains active in PKU activities and attended the annual Hall of Fame dinner in May. Over the years he's had the opportunity to hire some of his fraternity brothers.

"We support each other in terms of business strategies and references, and along the way I've crossed paths with many fellow alumni," Sammut said. "There are

dozens of entrepreneurs that have emerged from our network."

Recently Firstronic formed a strategic alliance with DASI Solutions of Pontiac, a leading provider of 3D printing equipment, software, and services. The company is owned by David Darbyshire, BSME'87, and his brother and co-founder, Rick Darbyshire, BSME'94.

The desire to work with a new generation of LTU grads is one reason why Sammut is taking the lead in a \$250,000 fund-raising campaign to bring an electronics prototype assembly lab to LTU. The state-of-the-art facility will enable college students to do the same type of research that provides an edge to a manufacturing company like Firstronic.

"The lab will benefit hundreds of LTU students every year and help industry gain access to top talent who have the experience to design, manufacture, and test printed circuit boards," said Ken Cook, chair of LTU's Department of Engineering Technology.

This summer two of Firstronic's 10 interns are from LTU.

Sammut continues to live in nearby Farmington Hills. He spends three days a week in Grand Rapids and two days a week in the Detroit area where many of the company's customers are located. "Since we're doing business in Mexico and China, it really doesn't matter where I'm located," he explained. □EP



It's magic!

Miss Lawrence Tech Shelby McPherson served as an assistant for Ken Cook, BSEE'64, when he entertained the members of the Jubilee Society with his magic act. Cook, who has performed magic around the country, represented his class at the Jubilee Society Brunch.

‘Theory and practice’ paved the road to alum’s success

It’s hard to imagine that David Wright, BSME’86, wasn’t an automatic shoo-in for admission to a four-year university. He’s the founder and CEO of a groundbreaking contract medical device company and the holder of more than 40 U.S. patents,

“Due to some learning difficulties during my K-12 years, I was not a candidate for admission,” Wright, then a 25-year-old design draftsman in the automotive industry, recalled three decades later. “I spoke with an admissions officer at Lawrence Tech and was provided a list of prerequisites to fulfill at a local community college. This is important because Lawrence Tech took me seriously when no other college would.”

In 2001, Wright founded his own company – Wi Inc. based in Englewood, Colorado – by leveraging his pre-college experience in machine-tool design and manufacturing automation for consumer products and his post-graduation work in diagnostic and therapeutic devices with Medtronic Cardiac Surgery, 3M Cardiovascular, Gelman Sciences, Colorado MedTech, and XS Engineering.

Wi Inc. specializes in biologic, microfluidic, and instrument-interface product design and development as well as in high-volume disposable manufacturing capability, including the latest lab-on-chip and lab-on-card technol-

ogy. The company name, by the way, is pronounced like its initials: double-u i.

In 2004, Wi was a gold winner in the Medical Design Excellence Awards for its LifePort Kidney Transporter, which represents a new generation of mobile perfusion devices specifically targeted to provide quality organ care between the time of harvesting and transplantation. It’s an alternative to the current low-tech method, which is essentially an ice-filled cooler. (In physiology, perfusion is the process of a body delivering blood to a capillary bed in its biological tissue.)

Another Wi product, LumaWave, is a new-generation pain management device that delivers therapeutic energy directly through the skin and deep into tissue areas. Wi developed the basic product configuration and went to production in just seven months.

“My education at Lawrence Tech was the perfect blend of theory and practice. This is not simply a tag line, it is a real culture,” Wright said. “During my time at Lawrence Tech I was exposed to professors that had real industry experience. This was important to me as I was an older student upon admission and had been working as a design draftsman for seven years.”

To this day, he asks every candidate for employment about

their hands-on education. “I do not understand how any engineer can design a product if they themselves can’t explain the processes by which the product is to be made,” he said.

From his own experience, Wright has some practical advice for would-be entrepreneurs. “I advise all students to focus less on grades and more on retained and applied education. The ability

to apply your obtained education will far outweigh your GPA as challenges arise in your career. Embrace the opportunity to sit in the front row; ask the question that may appear so rudimentary, as I guarantee you will not be alone in your quest to understand. Make things and break things, as this will be the foundation of your worth as an engineer.

“Finally, do not confuse education and experience, they are mutually exclusive, and Lawrence Tech offers both.” □ *CWM*

When it comes to food trucks, this grad’s no dummy

At last count, there were more than 1,800 titles in the “For Dummies” self-help series, many of them of a highly specialized nature. One of the more recent titles is “Running a Food Truck for Dummies,” penned by Richard Myrick, BSAr’02, widely regarded as one of the world’s leading experts in the mobile food vendor industry.

Myrick is also editor-in-chief of Mobile-Cuisine.com, an online trade publication that explores everything you’ve ever wanted to know about the industry. And when he completes his current studies at the Illinois International Culinary Program at the Chicago Art Institute, he plans to do something he’s never done before – operate his own food cart.

So how did an architecture graduate from Lawrence Tech end up becoming an expert in the food truck industry? It all started in 2010 when he lost his retail development job in the midst of the recession and began scouting alternative sources of income. One option he and his wife discussed was opening a hot dog cart in his hometown of Chicago. But after doing some research, he concluded that wouldn’t work due to the city’s “archaic vending laws.”

Next, Myrick discovered that there wasn’t a website or trade magazine that covered the mobile food industry nationally. That’s when he got the idea to capitalize on what he had learned about the industry to launch Mobile-Cuisine.com, which has now chalked up 1 million unique visitors.

About a year later, Myrick received an email “out of the blue” from Wiley Publishing asking if he would be interested in writing a “For Dummies” book covering food trucks. It took him about five seconds to decide, he recalled, and “Running a Food Truck for Dummies” hit the bookstores in 2012.

Last September, Myrick served as the featured speaker/moderator at the 2013 Roam Mobile Food Conference in Portland, Oregon. In its promotional material for the inaugural event, Roam described Myrick as “a bundle of energy to be reckoned with.”

“I’ve always been a bundle of energy, especially when it comes to subjects I have a strong interest in,” Myrick said. “This was evident in my time at Lawrence Tech. It didn’t matter how many all-nighters I would have to pull to get my projects completed. The energy I had when it came to those proj-

David Wright, founder and CEO of Wi Inc., uses a pipette to inject solution into a microfluidic device. His company received a prestigious medical excellence award for its patented LifePort Kidney Transporter.



ects kept me on the right track.”

As a student, Myrick learned the importance of project management and was able to adapt that skill set into his career as well as other aspects of his life.

“Another skill I honed while at Lawrence Tech that has come in very helpful has been the ability to conduct exhaustive research on topics I’m not familiar with,” he said. “In school we would have to research the history of a particular field to understand how to properly design an architectural environment for our proposed clients. This would take hours to complete, but in the end, the

time invested helped me provide a design that was based on my concept as well as the needs of the client.”

Looking back, Myrick remembers in particular his final design class. “This was the first design class offered after 9/11/01, and you guessed it, we were given the task of redeveloping the World Trade Center site. When I look back at that time, I still can’t believe the time and effort I put into every detail of that design. The story that my final project told was one of hope and comfort.”

□CWM



Richard Myrick, editor-in-chief of Mobile-Cuisine.com, is also the author of “Running a Food Truck for Dummies,” one of the more recent titles in the popular self-help series.

Alum finds ways to preserve the past in renovation projects

As a student at Lawrence Technological University, Jason Arnott, BSAr’01, MAr’04, had an ambitious goal for his future career – using the skills he learned both inside and outside the classroom to make our world a more beautiful place.

In 2007, he put his goal into practice when he founded Earth Environments LCC, based in Romeo with a satellite office in Denver, North Carolina. Earth Environments has received a number of prestigious industry awards in its short existence. In 2012, it was honored with a Michigan Historic Preservation Network Building Award for its renovation of the Almont Community Historical Museum. The historic building underwent an extensive facade restoration and now looks much as it did when it was built as a store.

A firm believer in giving back to his alma mater, Arnott has provided several Lawrence Tech architecture and architectural engineering students the opportunity to work on architectural, urban planning, and historical restoration projects.

Last year, for example, Arnott and fellow Lawrence Tech graduate Mike Knoff, BSAr’13, in col-

laboration with several of the area’s top specialty contractors, launched a major remodeling project at a rural home in Macomb County’s Bruce Township. Knoff’s work involved site analysis and measuring, drawing, schematic design, 3D assemblies, and preliminary design development. The project ultimately was passed on to current Lawrence Tech student Pierce Sadler to complete. His work included creating shop drawings, contract writing, bids, and cost estimating.

More than 11 tons of rough-sawn Amish timber was trucked in from Wisconsin and stained on the Bruce Township site by Earth Environment’s workforce. The rear of the house was completely remodeled; windows became sliding door walls and over 300 square feet of covered second-story deck living space was created overlooking a beautiful lake in the middle of the woods. The team returned to the site this spring for a bay window renovation and a new front door entry.

Arnott also strives to involve the community in programs that bring awareness and attention to the preservation and beautification of outdoor environments. His main program to achieve

this vision is called Awareness Refining Communities. ARC is dedicated to improving the quality of life by preserving, conserving, and enhancing the natural and developed environment along with discovering sustainable low-impact development principles, practices, and procedures.

Another prominent program spearheaded by Earth Environments is a student design project called ProjectARC. Its primary goal is to give students a real-life experience by developing projects where their ideas

can make a positive and tangible impact on their communities.

“Lawrence Tech was helpful in so many ways, allowing me to grow in my architectural ability, my understanding of methods used, codes, practices, and the importance of working hard and believing in yourself,” Arnott said. “Our company has blossomed, grown, and been able to withstand numerous challenges. We attribute our success to the many lessons learned at Lawrence Tech.”

□CWM



Jason Arnott designed this archway built with heavy timbers cut in the Northwest in the 1800s that were used as utility poles in Wisconsin.



Arnott discusses renovation plans with Troy Dell of Advantage Carpentry.

Workshop features furniture handcrafted from recycled wood

James Willer, who studied architecture at Lawrence Tech to complement his background in fine arts, and Kevin Borsay, BSEE'86, are taking both historic preservation and recycling to new and creative levels.

Last year they opened a store, called Workshop, in Detroit's historic Fisher Building, where they make and sell beautifully handcrafted benches and tables made of wood – and not just any wood. The wood is salvaged – legally – from demolished homes and buildings in Detroit.

"You can't get wood like this now," Willer noted in a recent interview with *Deadline Detroit*. Workshop also has been featured in a number of local media outlets, including *The Detroit News*, Fox 2 News on television, and WJR AM-760 on radio.

The wood comes from Architectural Salvage Warehouse, a Detroit company that "deconstructs" abandoned homes – again, legally – and reuses the material instead of dispatching it to landfills, which is the usual practice.

Willer and Borsay got the idea for Workshop when they joined forces to use reclaimed wood while remodeling the interior of Stella Good Coffee in the Fisher Building. The coffee shop is part of the network of cafes and shops selling Pure Detroit apparel and Detroit artifacts owned by Borsay and his wife, Shawn Santo. The reclaimed white pine used in the project came from a nearly century-old Detroit home.

Their dining room and coffee tables are available in two styles – the "Workshop" with clean,

simple lines, and the "Grand Boulevard," featuring planed-down two-by-fours banded together. Each piece – made by hand in an upstairs workshop – is stamped with the address from where the wood originated.

Workshop is Willer's full-time job. Borsay is co-founder of Archive D. S., an architecture and urban design firm in Detroit, and is also involved in other retail shops he and his wife operate. The two are building a network with other nonprofit organizations to do the milling and handcrafting required to produce the finished products from reclaimed lumber.

Willer, the son, grandson, and great-grandson of carpenters, began his education at Lawrence Tech in 2000 after studying fine arts at Albion College.

"I was eager to combine disciplines and explore the design and development aspects of the built environment's professional practices," he said. "My studio and building material classes at Lawrence Tech supplemented my real-world experiences to offer opportunities for creative problem solving in order to enhance the finished product or projects I was working on."

Willer worked as a general contractor for three years before

beginning his architecture internship at Victor Saroki and Associates. "Starting from the bottom, I was able to finish up my design studios at Lawrence Tech during my time as an intern. I naturally gravitated toward explorations of combining urban walkability with natural amenities. Before I ever heard the term 'biomimicry,' I was afforded creative license within my studios to begin thinking of ways that nature could show us a path toward equitable development."

Professor James Abernethy in the College of Architecture and Design introduced him to the concept of a continual exploration of sustainable materials and building systems, and many of his teachers became mentors, particularly Adjunct Professor Mark Farlow and Associate Professor Joongsuk Kim.

"In short," Willer said, "my work as a professional would be severely hampered were it not for the resources, support, and connections afforded by Lawrence Tech." □ CWM

Workshop is located in Suite 105 in the Fisher Building. Hours are 10 a.m. – 6 p.m. Tuesday-Saturday.

Even simple two-by-fours from 100 years ago have very distinctive grain patterns not found in today's lumber.



Kevin Borsay (left) and James Willer build furniture out of wood reclaimed from abandoned homes in Detroit.

Follow us on social media

For all the latest information on upcoming alumni events, follow the LTU Alumni Association on Facebook and Twitter:



facebook.com/LTUalumni



[@LTUalumni](https://twitter.com/LTUalumni) or twitter.com/LTUalumni

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 appear in the winter 2014–15 issue. Use the form in this section to share news about you!

1960–1979

Truman G. Lamphere, AMT'67, a General Motors retiree and avid golfer, reports achieving three holes-in-one. He and his wife, Carolyn, live in Rochester Hills.

William J. Whitaker, BSAr'68, was inducted into the Athletic Hall of Distinction at Murray State University in Kentucky. Bill served as the faculty representative for Murray State Athletics from 1998 to 2010.

Dominic Monastiere, BSBA'70, joined Saginaw Valley State University as an executive-in-residence in the College of Business & Management. He took the new position shortly after retiring as an executive with Midland-based Chemical Bank.

Alan H. Cobb, BSAr'76, LEED AP, was named president and CEO of the Detroit-based Albert Kahn Family of Companies. Alan led the firm's design efforts for Lawrence Tech's planned Taubman Complex as well as for the Detroit Zoo's Penguin Conservation Center. In 2000, he received the University's Distinguished Architectural Alumni Award.

Victor A. Saroki, BSAr'79, BA'80, HD'08, celebrated the 30th anniversary of his firm, Birmingham-based Victor Saroki & Associates. Over the years, he has won numerous awards for the design of high-end retail and residential projects in Metro Detroit. Victor is an LTU trustee, a lifetime member of the Presidents Club at Lawrence Tech, a 2008 recipient of the Alumni Achievement Award, and a recipient of the Distinguished Architectural Alumni Award.

1980–1989

Ryan F. Russell, BSBA'81, chief financial officer of Detroit-based Marketing Associates, presented a case study entitled "Future Proof Your Financial Strategy" at Proformatech 2014, a one-day conference for financial executives held in February in Las Vegas.

Alan L. Haase, BSEE'82, president and CEO of AMI Holdings in the Dallas/Fort Worth area, offered a primer on working with private equity partners and adapting to the new economics of the aerospace and defense industry at a recent conference hosted by the Michigan Aerospace Manufacturers Association.

Dana M. Nalbantian, BSAr'85, BA'86, AIA, was promoted to principal at the Morristown, New Jersey, office of Gensler, a global design firm. Dana is a studio director in the Morristown office and a firmwide project management leader.

Martin G. Mills, BSME'86, is a key account manager at Maxwell Technologies Inc. in San Diego, where he is responsible for ultracapacitor sales in the Central Region of the United States.

David M. Washburn, BSEE'86, a powertrain engineer at General Motors, is also a military historian who participates in historic commemorations at important battlefields and sites in Michigan and across the United States.

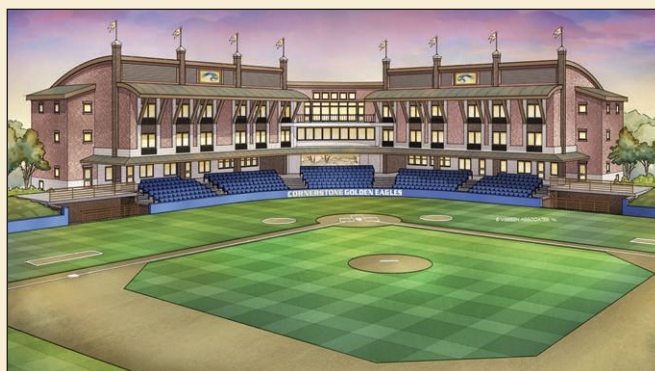
Cheryl L. Gregory, BSCE'88, PE, was named director of engineering at Spalding DeDecker Associates Inc. in Rochester Hills. She is also a member of the Civil Engineering Advisory Board at Lawrence Tech.

Donald J. McCune, BSEE'88, is group leader/senior researcher for the Embedded Systems Group at Hitachi America R&D in Farmington Hills.

Shaun M. Whitehead, BSEE'88, is operations manager for Ford Motor Co. of Canada's two Windsor engine plants. An article in The *Windsor Star* noted that a third of the 28-member management team at the two engine plants are women. In an interview with the newspaper, Shaun said, "There is a deep belief that diversity and inclusion

Architect completes a double play for Grand Rapids university

What would you do if your university needed a new baseball field and more on-campus living space? In the case of Cornerstone University in Grand Rapids, university officials called upon the local architecture firm of Wayne Visbeen, BSAr'84, BA'86, to design both at the same time. The lower level of the grandstand has team locker rooms, staff offices, training equipment, and a concession area to service the 1,500-seat stadium. The top two levels have 48 double-occupancy dorm rooms, connected by a common area in a bridge overlooking the baseball diamond. The \$11.1 million project completed last year included the new baseball field.



Some lucky students can attend baseball games without leaving their dorm rooms.

is really going to make the team better, is going to make us stronger, is going to make us more competitive."

Sanford "Sandy" J. Barris, BSBA'89, is a marketing and communications specialist who bills himself as "The Measurable-Marketing-Madman." He was a member of the team that helped VisionBoards.co, a woman-owned technology company, take top honors at the 2013 Google-sponsored Global Startup Battle in Detroit.

Cheryl L. Zemke, BSBA'89, a fashion designer with a number of awards to her credit, is the owner of C. Creations Custom Sewing and Design in Riverview and has created her own private label – C3 (Creative Clothing Collection.)

1990–1999

Jeffrey Ruiz, AEET'90, is the biomedical engineering manager at Holland Hospital in Holland, Michigan.

Jose R. De La Garza, BSCE'91, was hired by the San Diego office of Parsons Brinckerhoff as a senior

supervising engineer, managing regional traffic-engineering projects.

Mark J. De Mara, BSBA'91, was named as accounting senior manager at Rehmann, a wealth management and corporate investigation firm in Troy.

Bret A. Scott, BSEE'91, CIMBA'02, was elected to the Pleasant Ridge City Commission. Bret is the manager of Uconnect Global Connected Services for Chrysler.

Jessica S. Rieveschl, BSAr'92, joined FRCH Design Worldwide in Cincinnati as a senior project coordinator in the retail and mixed-use studio.

Shawn T. LaMeau, BSME'93, was named manager of Gudel Inc.'s metal sheet handling business unit, based in Ann Arbor. Shawn will lead all commercial, business development, and operating functions for the unit.

John C. Clay, BSME'95, was named an associate at Harley Ellis Devereaux, a Detroit-based architecture company.

A L U M N I N O T E S

James J. Marsh, MBA'96, is a professor at Missouri Southern State University with an extensive background in robotics and industrial automation. When he joined the faculty, the university agreed to his proposal to add robotics to the curriculum.



David E. Richmond, BSCvE'96, PE, joined Spalding DeDecker Associates Inc. in Rochester Hills as a project manager

in the Engineering Department. His primary focus will be the management of water/wastewater and water resources projects.

James R. Foucher, BSCvE'97, is co-founder and vice president of RBV Contracting Inc. in Detroit. The company has been accepted into the Small Business Administration's 8(a) Business Development Program and is also HUBZone Certified by the SBA.

Thomas L. Minneker, BSTe'98, MSIO'04, joined General Motors Powertrain as program administrator. He was previously with TRW Automotive Inc. in various engineering and project management positions.

Adam D. Kahn, MBA'99, joined SmartDrive Systems in San Diego as senior director of product marketing. He brought more than 20 years of transportation and logistics marketing experience to his new position.

Amy L. Moore, BSCS'99, CIMBA'03, was promoted from consultant to director of client service for applications at C/D/H, an IT consulting company with offices in Detroit and Grand Rapids.

2000-2013



Antoine Burks, BSCS'00, joined General Filters Inc. in Novi as vice president of sales and customer service.

Peter J. Miller, MBA'00, joined Hollingsworth Logistics Group in Dearborn as vice president of information technology.

Tracy L. Sweeney, BEAAI'01, BSAr'01, MAR'06, was named an associate at Harley Ellis Devereaux, a Detroit-based architecture and engineering company.

Jeff Girard, BSCvE'04, joined MMFX Steel Corp. of America, based in Irvine, California, as regional sales manager for Michigan, Indiana, Wisconsin, and Ohio.



Todd F. Lackey, BSCvE'04, PE, was named the State of Michigan Structural Engineer for 2013 by the Structural Engineers

Association of Michigan. Todd is a project manager for Ruby+Associates in Bingham Farms.

Don A. Manfredi, MBA'05, joined Roush CleanTech, a division of Livonia-based Roush Enterprises, specializing in alternative-fuel vehicle technology. Don, who is also an adjunct professor at Lawrence Tech, will provide fleet analysis and solutions to integrate alternative-fuel vehicles in the services industry.

Ann-Marie K. Hines, MBA'06, was promoted to senior marketing manager at Philips Automotive North America in Farmington Hills.

Jared L. Pence, BSME'06, and Heather LaRocca were married in 2013 at Pine Knob Mansion in Clarkston.

Irside Bejo, BSAr'07, is an independent architectural designer and urban researcher in Metro Detroit. She was awarded a Fulbright Fellowship after graduate school and is currently one of the organizing leaders of Architecture for Humanity in Detroit.

Clifton B. Higdon III, MEMS'07, was named advanced development director for SRG Global Inc. in Warren.

Amy R. Trandell, MSE'08, was recognized as one of the three 2014 Outstanding Teacher of the Year recipients at Warren Consolidated Schools. Amy is a special education teacher at Fillmore Elementary School.

Danielle B. O'Grady, BSAr'09, BIA'09, an interior designer with TMP Architecture Inc. in Bloomfield Hills and Portage, passed the National Council for Interior Design Qualification exam and now holds an NCIDQ Certificate.

Samer S. Yokhana, BSEE'09, opened LED Source, an LED lighting franchise, the first of its kind in Michigan. The company is based in Sterling Heights, adjacent to but separate from Sandos Electric Service Inc., which is owned by Samer's father.

Amanda K. Kight, BSAr'10, MA'13, joined Kraemer Design Group PLC in Detroit as an architectural designer.

Matthew L. Bennett, DBA'11, is the new vice president of communications and enrollment services at Cleary College, Livingston County's only four-year university.

Gregory V. Sikora, BSAr'11, is the new Student Life and Communications Coordinator at Boston Architectural College.

Brenton C. Hite, MA'12, and Rebecca Boltz were married last year at Kokomo Zion United Methodist Church in Kokomo, Indiana.

News For Alumni Notes

Use the space below to tell us about you or your fellow Lawrence Tech or DIT alums. Mail it 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

In Memoriam

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.

Nathan M. Mills, BME'36, of Troy, Nov. 16, 2013. Mr. Mills, who lived to be 100 years old, was a retired Unisys Corp. employee. He was survived by a son. The family requested memorial tributes to Lawrence Tech.

Frank H. Hoernschemeyer, BAe'42, BSME'50, of Huntington Woods, Nov. 9, 2013. Mr. Hoernschemeyer, a DTE Energy retiree, was survived by his wife, Betty Ann, three sons, and a daughter.

Leon L. Skelly, BSChE'43, of Overland Park, Kansas, Dec. 1, 2013. Mr. Skelly had a 35-year career with the 3M Co. He was survived by his wife, Audrey, two daughters, and a son.

Sidney D. Lyons, BSArE'44, of Walnut Creek, California, Jan. 10, 2014. Mr. Lyons was an accomplished architect, owning and managing a firm that specialized in hospital design. He was survived by two sons and a daughter.

David M. Thompson, BSIE'47, of Beverly Hills, Dec. 2, 2013. Mr. Thompson was employed by the Detroit Public Schools for 35 years, retiring as principal of Alexander Hamilton Middle School. He was survived by his wife, Blanche, two daughters, and a son.

Peter Egigian Sr., BSEE'48, of Royal Oak, Jan. 16, 2014. Mr. Egigian, a DTE Energy Co. retiree, was survived by two daughters and a son Peter, Jr., BSBA'84.

Thomas J. Bodner, BSChE'50, of Plymouth, Dec. 10, 2013. Mr. Bodner worked as a metallurgist for over 30 years at the General Motors Hydramatic Division. He was survived by four sons and a daughter.

Jack W. Cooley, BSME'50, BSIE'63, of Traverse City, Nov. 27, 2013. Mr. Cooley, a Ford Motor Co. retiree, was survived by two daughters.

Herbert F. Cromwell, BSME'50, of Lansing, Jan. 22, 2014. Mr. Cromwell worked at Ford Motor Co. for over 30 years, retiring as chief engineer. He was survived by his wife, Jacqueline, and three daughters.

Walter F. Ruffer, BSME'50, of Sewickley, Pennsylvania, Dec. 26, 2013. Mr. Ruffer, who also maintained a home in the U.S. Virgin Islands, was the co-founder of Detroit Switch Inc., based in Pittsburgh. He was survived by two daughters and a son.

Wlfrid H. Smolenski, BSChE'50, of Shreveport, Louisiana, March 20, 2014. A native of Germany, Mr. Smolenski worked for Western Electric. He was survived by a son and a daughter.

Jack M. Clanton, BSME'51, of Eden Prairie, Minnesota, Sept. 11, 2013. Mr. Clanton was an engineer for Ford Motor Co. for 31 years. He was survived by two daughters and a son.

Kenneth L. Parker Sr., BSIE'51, of Costa Mesa, California, Feb. 2, 2014. Mr. Parker held a variety of engineering and management positions in Detroit before relocating to California. He was survived by his wife, Jacqueline, and two sons.

Stanley P. Franczak, BSIE'52, BSME'55, of Dearborn, Jan. 9, 2014. Mr. Franczak, a Ford Motor Co. retiree, was survived by three sons and a daughter.

George F. Stirrat, BSME'52, of Clarkston, Jan. 23, 2014. A native of Northern Ireland, Mr. Stirrat worked at Ford Motor Co. for 34 years, retiring as chief powertrain systems engineer. He was survived by two daughters and a son. He received the Alumni Achievement Award in 1967 and was a member of the Presidents Club at Lawrence Tech.

Keith R. Ball, AIST'53, of Troy, July 3, 2013.

Gerald E. Kowalczyk, AMT'54, of St. Clair Shores, Dec. 6, 2013. He was survived by his wife, Mercedes.

Richard A. Auer, BSME'56, of Sterling Heights, Feb. 13, 2014. Mr. Auer, a General Dynamics Corp. retiree, was survived by his wife, Marlene, and two daughters.

Richard J. Lockman, BSHu'57, of Southgate, Oct. 4, 2013. He was survived by five sons and a daughter.

Everett F. Petrak, BSME'57, of Farmington Hills, Oct. 27, 2013. Mr. Petrak worked as an engineer in advanced engine design at Ford Motor Co. He was survived by two sons and a daughter.

Coda M. Edwards, BSME'58, BSEE'60, of Rochester Hills, Sept. 9, 2013. Mr. Edwards worked his entire career in the defense industry, starting with Chrysler Missile and retiring as systems manager for General Dynamics. He was a member of the Presidents Club at Lawrence Tech. He was survived by his wife, Beryl.

Alex Faydenko, BSCvE'58, BSArE'59, of Grosse Ile, June 22, 2013. As an architect, he worked with private companies for more than 50 years on the construction of plants in the United States and Europe. He was survived by his wife, Dorothy, two sons, a daughter, and four grandchildren.

Willis B. Manchester Jr., BSME'58, of Royal Oak, Oct. 10, 2013. Mr. Manchester was retired from the George A. Bass Construction Co. A widower, he was survived by a sister and a brother.

Laurence T. Malek, BSIM'60, of Canton, Sept. 12, 2013. Mr. Malek was director of human resources at Frank W. Kerr in Novi. He was survived by his wife, Marian, two daughters, and a son.

Ray L. Pitzer, AMT'60, of Madison Heights, Aug. 22, 2013. He was survived by his wife, Lillian, and two daughters.

Larry J. See, BSME'62, of Carleton, Nov. 4, 2013. Mr. See spent 35 years with Ford Motor Co., retiring as a light truck engineer. He was survived by his wife, Judy, and two sons.

Ronald F. Steinberg, BSEE'62, of Clinton Township, Dec. 24, 2013. Mr. Steinberg worked at Bendix Research Laboratories (now known as Honeywell International), retiring as an engineering manager. He is survived by his wife, Gloria, and four sons.

Irving A. Beemer, BSME'64, of Howell, Nov. 7, 2013. Mr. Beemer worked for MichCon, retiring as a mechanical engineer after 33 years of service. He was survived by his wife, Jean, two sons, and two daughters.

Harold R. Varner, BSArE'65, of Detroit, Dec. 14, 2013. Mr. Varner was president and chief operating officer of Sims Varner Amistad and was the architect who designed the Charles H. Wright Museum of African American History in Detroit. He received LTU's Alumni Achievement Award in 1971. He was survived by his wife, Nancy, and two daughters.

Robert A. Taylor, AIST'67, of Rochester Hills, Oct. 11, 2013. Mr. Taylor was a retired system engineering supervisor at EDS Corp. He was survived by two daughters and a son.

Robert A. Warren, AEEt'67, of Brighton, Jan. 19, 2014. He was survived by his wife, Mary Ellen, a son, and a daughter.

Charles E. Gotberg, BSIM'69, of Northville, Dec. 8, 2013. He was survived by his wife, Barbara, two daughters, and a son.

Robert J. Hatherley, BSIM'75, of Oxford, Sept. 2, 2013. He was survived by his wife, Darlene, two daughters, and a son.

John R. Hitter, BSME'75, of Bergen, N.Y., Aug. 29, 2012. He was survived by his wife, Beth.



Ronald W. Zahm, BSMA'75, of Eugene, Oregon, Jan. 30, 2014. Mr. Zahm was a senior systems analyst at Emery Worldwide. He was survived

by his wife, Mitzy, and two sons.

Steven A. Machno, AEEt'76, of Detroit, March 30, 2007. Mr. Machno worked for Paradata Computer Networks.

I N M E M O R I A M

Gregory Graczyk, BSA'78, of Troy, Nov. 10, 2013. Mr. Graczyk was a career architect and licensed builder. He was survived by his wife, Ida, and a son.

Roger V. Urban, BSBA'78, of Macomb, Sept. 25, 2013. Mr. Urban served in the U.S. Air Force, the Air Force Reserves, and the Air National Guard, retiring after 30 years in the military. He was survived by his wife, Darlyn, a son, and a daughter.

Jeffrey A. Jax, BSME'85, of West Bloomfield, Sept. 22, 2011. Mr. Jax was a mechanical engineer at Chrysler for more than 25 years. He was survived by his wife, Pamela, and three sons.

Audrey M. Fecteau-Spaargaren, BSME'88, of Granger, Indiana, Dec. 24, 2013. Mrs. Fecteau-Spaargaren worked at Allied Signal Corp. and Honeywell Aerospace Engineering. She was survived by her husband, Robert, two sons, and a daughter.

Mary J. Forbes, BSMCS'89, of Commerce Township, Oct. 28, 2013. Mrs. Forbes was a CIS professional at Oakland Community College. She was survived by four sons and three daughters.

Robert B. Marquis, BSME'90, of Ypsilanti, Feb. 12, 2014. Mr. Marquis was an electrical engineer for Ford Motor Co. for more than 32 years. He was survived by a son and three stepsons.

David A. Pelto, BSME'90, of Commerce Township, Feb. 8, 2014. Mr. Pelto was a plant facilities manager for Walbridge Construction Co. at the Chrysler engine plant in Trenton. He was survived by his fiancée, Maureen, and her daughter, his mother, and five siblings.

David E. Sanders, BSME'96, of Shelby Township, March 8, 2014. Mr. Sanders was a project engineer in the TARDAC group at the Detroit Arsenal. He was survived by a son.

William J. Ulrich III, BSTe'98, of Fenton, Dec. 7, 2013. He was survived by his wife, Elaine "Lolly," two sons, and a daughter.

Margaret L. Smith, MBA'01, of Detroit, Nov. 26, 2008.

DIT IN MEMORIAM

Robert M. Lynas, BSEE'49, of Spring Lake, Dec. 15, 2013. Mr. Lynas worked at TRW Inc. for 37 years, then purchased RA Miller Industries, now known as RAMI. He was survived by his wife, Joyce, and three daughters.

John W. McCormack, BBA'59, of Coloma, Jan. 23, 2014. Mr. McCormack spent 20 years at Alpena Community College, retiring as dean of students. He was survived by two sons and a daughter.

THE LAWRENCE TECH FAMILY

Brandon M. Rogers – *Former adjunct professor*

Brandon M. Rogers, president of Brandon M. Rogers & Associates PC in Grosse Pointe Farms and a former adjunct professor in the College of Architecture and Design, died on Sept. 1, 2013.

During a long career, Mr. Rogers served as a community planning consultant to more than 200 municipalities nationwide. He also served as an economic marketability consultant to more than 150 financial institutions and numerous land-development businesses.

He was previously senior city planner for the City of Detroit, executive vice president for Parkins, Rogers & Associates Inc. of Detroit, and planning analyst for the Chicago Land Clearance Commission.

Mr. Rogers earned a Master of City Planning degree from the Harvard Graduate School of Design. He was survived by his wife, Margaret, two sons, and a daughter.



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Giving Societies

This honor roll recognizes donors who through their generosity have qualified for membership in one of the University's giving societies and clubs. Their support ensures continued educational excellence at Lawrence Technological University.

LEADERSHIP CIRCLE

A. Alfred Taubman Society

This Society honors donors who have achieved a cumulative record of outright gifts of cash, securities, real property, or gifts-in-kind totaling \$5,000,000 or more.

Recognition is also given for a pledge of \$5,000,000 or more; to donors who have formally notified the University they have included a \$10,000,000 bequest to Lawrence Tech in their will; and to those who have established a planned gift to benefit the University, such as a non-term life insurance policy or a charitable remainder trust, with a value of at least \$10,000,000.

Edward Donley Society

This Society honors those donors who have achieved a cumulative record of outright gifts of cash, securities, real property, or gifts-in-kind totaling \$1,000,000 or more.

Recognition is also given for a pledge of \$1,000,000 or more; to those donors who have formally notified the University that they have included a \$5,000,000 bequest to Lawrence Tech in their will; and to those who have established a planned gift to benefit the University, such as a non-term life insurance

policy or a charitable remainder trust with a value of \$5,000,000.

Russell Lawrence Society

The Russell Lawrence Society honors those donors who have achieved a cumulative record of outright gifts of cash, securities, real property, or gifts-in-kind totaling \$500,000 or more.

Recognition is also given for a pledge of \$500,000 or more; to those donors who have formally notified the University that they have included a \$2,500,000 bequest to Lawrence Tech in their

will; and to those who have established a planned gift to benefit the University, such as a non-term life insurance policy or a charitable remainder trust with a value of \$2,500,000.

E. George Lawrence Society

The E. George Lawrence Society honors those donors who have achieved a cumulative record of outright gifts of cash, securities, real property, or gifts-in-kind totaling \$250,000 or more.

Recognition is also given for a pledge of \$250,000 or more; to those donors who have formally notified the University that they have included a \$1,000,000 bequest to Lawrence Tech in their will; and to those who have established a planned gift to benefit the University, such as a non-term life insurance policy or a charitable remainder trust with a value of \$1,000,000.

1932 Society

The 1932 Society honors those donors who have achieved a cumulative record of outright gifts of cash, securities, real property, or gifts-in-kind totaling \$100,000 or more.

Recognition is also given for a pledge of \$100,000 or more; to those donors who have formally notified the University that they have included a \$500,000 bequest to Lawrence Tech in their will; and to those who have established a planned gift to benefit the University, such as a non-term life insurance policy or a charitable remainder trust with a value of \$500,000.

Trustees Society

The Trustees Society honors those donors who have achieved a cumulative record of outright gifts of cash, securities, real property, or gifts-in-kind totaling \$50,000 or more.



Lawrence Technological University awarded more than 850 degrees and certificates at the 82nd commencement exercises held in May.

GIVING SOCIETIES

Recognition is also given for a pledge of \$50,000 or more; to those donors who have formally notified the University that they have included a \$250,000 bequest to Lawrence Tech in their will; and to those who have established a planned gift to benefit the University, such as a non-term life insurance policy or a charitable remainder trust with a value of \$250,000.

Benefactors Society

The Benefactors Society honors those donors who have achieved a cumulative record of outright gifts of cash, securities, real property, or gifts-in-kind totaling \$25,000 or more.

Recognition is also given for a pledge of \$25,000 or more; to those donors who have formally notified the University that they have included a \$100,000 bequest to Lawrence Tech in their will; and to those who have established a planned gift to benefit the University, such as a non-term life insurance policy or a charitable remainder trust with a value of \$100,000.

Presidents Club (Lifetime)

The Presidents Club honors those donors who have achieved a cumulative record of outright gifts of cash, securities, real property, or gifts-in-kind totaling \$10,000 or more.

Recognition is also given for a pledge of \$10,000 or more; to those donors who have formally notified the University that they have included a \$50,000 bequest to Lawrence Tech in their will; and to those who have established a planned gift to benefit



Graduates of Lawrence Technological University have prepared themselves to start promising careers in growing sectors of the nation's economy.

the University, such as a non-term life insurance policy or a charitable remainder trust with a value of \$50,000.

Legacy Society

The Legacy Society honors those donors who have formally notified the University that they have included Lawrence Tech in their will, or that they have established a planned gift to benefit the University, such as a non-term life insurance policy or a charitable remainder trust.

Donors to the Legacy Society will be recognized at Winterlude, the annual donor recognition gala. Legacy Society members will also be invited to participate in a series of seminars covering such possible topics as retirement planning, financial planning, and vacation planning.

Legacy members who provide the University with the substantiated value of their

bequest or planned gift will be eligible for recognition in the appropriate giving society in the annual Honor Roll of Donors.

ANNUAL GIVING CLUBS

Presidents Club (Annual)

Annual donors to the Presidents Club who make a gift of \$1,000 or more will be invited to and recognized at Winterlude, the annual donor recognition gala, and will receive recognition in the annual Honor Roll of Donors.

Deans Club

Named in honor of our academic leadership, the Deans Club recognizes donors of \$500 or more. Annual donors to the Deans Club will be recognized in the annual Honor Roll of Donors.

Blue Devils Club

Named in honor of Lawrence Tech's official mascot and embodying the Lawrence Tech team spirit, the Blue Devils Club recognizes donors of \$250 or more. Annual donors to the Blue Devils Club will be recognized in the annual Honor Roll of Donors.

Century Club

One of the oldest giving clubs at Lawrence Tech, the Century Club recognizes donors of \$100 or more. Annual donors to the Century Club will be recognized in the annual Honor Roll of Donors.

For more information on Lawrence Tech giving clubs and societies, please contact Dennis Howie, associate vice president of University Advancement and chief development officer, at 248.204.2304 or dhowie@ltu.edu.

Donor Honor Roll

LAWRENCE TECHNOLOGICAL UNIVERSITY 2013 DONOR HONOR ROLL

Listings within society and club levels reflect gifts made through Dec. 31, 2013. All efforts have been made to ensure the accuracy of our donor lists. Please contact the Office of University Advancement to report any errors.

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Alum enlists corporate sponsorship for Formula SAE team



Steven Yousif, BSME'08, (at right) joined members of the 2014 Formula SAE team during a tour of the team's lab. He enlisted his employer, Magna Powertrain, to become a team sponsor. With budgets ranging from \$25,000 to \$150,000, SAE competition teams (Aero Design, Baja, Formula, and Formula Hybrid) are responsible for securing the funds needed to design, engineer, build, and race their vehicles. Collectively, alumni-inspired company sponsorships are key to the teams' fund-raising success. □ DJ

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Tom Wrenbeck, BSEE'82, and his wife, Dianne, attended Winterlude at Cobo Hall in Detroit on behalf of ITC Holdings, which was inducted into the E. George Lawrence Society. He is ITC's director for regulatory strategy. Tom and Dianne are also members of the Benefactors Society.

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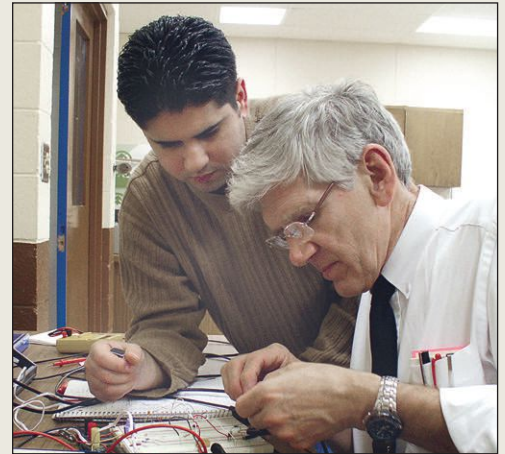
Cook adds monetary gifts to his contributions in the classroom

Kenneth Cook, BSEE'64, chair of the Department of Engineering Technology, has a reputation for enthusiasm in and out of the classroom. Less well known is his generous spirit that has resulted in 47 separate gifts to the University over some 37 years.

"The gifts haven't been large," Cook said, "but they were what my wife, Elaine, and I could afford. When our children were young, it was only \$300 or \$500; but we've been able to increase the amounts as time went on. Lawrence Tech turns out the best graduates in the industry, and I will do whatever I can to support that."

Cook, who began teaching at Lawrence Tech as an adjunct professor in 1965, became a full-time faculty member in 2007. The thrill of helping students develop, manufacture, and market products continues to motivate him. Cook has been the mentor for several senior projects that have been picked for their commercialization potential by the Kern Foundation-sponsored LTU Entrepreneurial Collaboratory.

Cook brings a wealth of real-world experience to the classroom. He worked in product development at two major telecommunications corporations and also founded his own company to design and manufacture safety testing equipment for sports protective head gear. □DJ



Kenneth Cook (right) enjoys helping students develop ideas for products with commercial potential.

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Multi-year gift helps make campus more 'bike friendly'

Mike Darga, BSCE'85, and his wife, Nancy, have given a \$15,000, five-year gift to help Lawrence Technological University reach Bronze Level status as a "Bike Friendly University." The League of American Bicyclists bases that designation on criteria in engineering, education, encouragement, enforcement, and evaluation and planning.



Nancy and Mike Darga are sharing their enthusiasm for biking with Lawrence Tech's campus community.

"Bike riding improves the quality of life in many ways – socially, physically, economically, and environmentally. It's about being healthy and active," said Darga, who is a senior project manager for the Detroit-based firm Giffels Webster, where he specializes in municipal and non-motorized transportation and urban infrastructure.

The Dargas' gift adds momentum to efforts to increase bicycle use by students. "There is a growing bike culture on campus," said Associate Professor Constance Bodurow, who is faculty champion and advisor to the LTU Bike Crew, a student and alumni group.

□DJ

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Mitchell Wolf scholarship supports restoration architecture

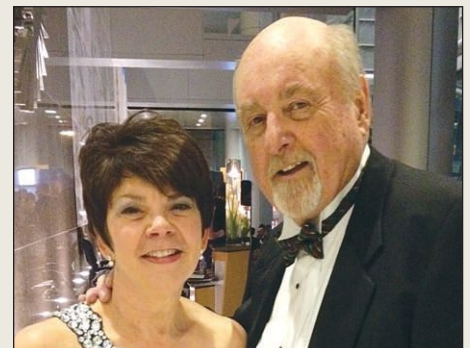
Karen Mitchell, a friend and supporter of Lawrence Tech for many years, has established the Mitchell Wolf Endowed Scholarship in memory of her late husband, Edward Wolf, with an initial gift of \$25,000.

"The scholarship will target students in the College of Architecture and Design who are pursuing studies in restoration architecture," said Mitchell, who recently retired as director of major account services for DTE Energy. "Ed, who came from a working class family in Benton Harbor, knew the value of education. He was an attorney by training, but he had a real appreciation for old architecture. I think he would have liked this."

Mitchell said their own personal experiences gave her and Wolf an appreciation of the financial struggles facing college students.

At DTE, Mitchell has worked closely with Lawrence Tech as one of her institutional accounts. "Over the years, I've become more and more impressed with Lawrence Tech. Students graduate with phenomenal skills and the hands-on training they receive makes them productive on the job from day one," she said.

Mitchell has served on the Tech Invitational golf tournament committee – chairing it in 2010, 2011, and 2012 – and continues to be one of Lawrence Tech's biggest boosters. "Lawrence Tech started out as a customer, but the people I've met here have truly become my friends. I am happy to support this wonderful institution," she said. □DJ



Karen Mitchell with her late husband, Edward Wolf.

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"I've always felt that Lawrence Tech gave me my start. We've been very blessed in our lives and we wanted to give something back," said Kirk Oliver, BSEE'81, who later earned an MBA in finance at the University of Chicago and is now CFO of UGI Corp., an energy distribution and services company headquartered in Valley Forge, Pennsylvania.

When he landed his first job with Motorola, he quickly realized that he was as prepared or better prepared than any of the other new recruits, many of whom had come from first-tier engineering schools. "I realized I had been trained to solve problems – not just engineering problems – and I learned how to study a situation and come up with a good solution," Kirk said.

Mary, who also earned her MBA at the University of Chicago, owns her own firm, Energy Marketing Partners.

"We know how important education is to a good life, so we are happy to do what we can to help," Mary said.

They hope others will follow their lead. □DJ



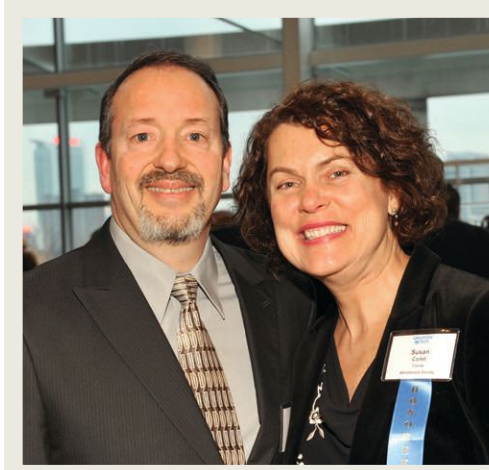
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The Johnston brothers – Chris, Kent and Grant (from left to right) – made Winterlude 2014 a family affair. Along with their mother, Susan, they established the Laird E. Johnston Memorial Endowed Scholarship in Engineering in 2009 to honor their late father, who served LTU as dean of engineering and CIO.

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 Mr. and Mrs. Bruce N. Lowery, BSIM'60
 Mr. Nathan Lucas, BSEE'04, MSECE'09 and Mrs. Katherine Bienkowski-Lucas, BSEE'03, MBA'06
 Mr. Jason E. Lukasik, MCEM'08
 Mr. and Mrs. Martin E. Lyczynski, BSTe'98
 Mr. Ronald C. Maday, BSIM'63
 Ms. Janis M. Madigan, BSBA'98
 Mr. and Mrs. Daniel N. Maibaum, BSMa'75
 Mr. David J. Maier, PhD, BSBA'93
 Mr. and Mrs. Michael P. Maier, BSME'87
 Mr. Arthur J. Makarewicz, BSBA'76
 Mr. and Mrs. David J. Maki, BSBA'94
 Ms. Marsha Malamud Eben
 Mr. and Mrs. Vito F. Mannino, BSET'93
 Mr. and Mrs. Edwin Marcum, BSME'52
 Ms. Christina L. Marentette, MSE'09
 Mr. and Mrs. Thomas R. Margosian, BSMCS'85
 Mr. Thomas Marlin
 Marsh Intellectual Properties
 Dr. and Dr. Jeffrey D. Marsh, BSEE'80
 Ms. Maureen L. Marshall, BSEE'92
 Rev. and Mrs. Richard G. Marshall, BSEE'61
 Mr. James S. Masalskis, BSCE'83
 Mr. and Mrs. Frank I. Mason, AMT'75, BSIM'79
 The Massage Room
 *Ms. Jennifer Matz
 Mr. Robert S. Mazurek, AEET'61, BSIM'75
 Mr. and Mrs. Sergio J. Mazzola, BSME'59
 Mr. and Mrs. Thomas R. McAdoo, BSAr'85, MAR'11
 Mr. James L. McBurney, BSIM'74
 Mr. Jermaine E. McClean, BSAr'99
 Mr. and Mrs. Calvin H. McClellan, BSME'50
 Mr. and Mrs. David R. McCormick, BSCh'93
 Mr. Francis F. McFall, AMT'66 and +Mrs. Jo Ann McFall, ADP'82
 *Mrs. Joyce M. McKissen, AGS'09
 Mr. Charles D. McKittrick, MSME'10
 Mr. James G. McLeish, BSEE'78 and Ms. Patricia A. McLeish, MSAE'07
 Ms. Meredith M. McLellan, Mar'05
 Mr. and Mrs. Michael J. McNamara, BSCE'79
 Mr. Denis G. Medwick, BSME'78
 Mr. and Mrs. Michael A. Melms, BSME'76
 *Dr. Eric G. Meyer
 Michigan Aerospace Corporation
 Mr. and Mrs. Chester P. Mienaltowski, BSME'71
 Mr. Ira C. Miller Jr., BSEE'73
 Mr. James D. Miller, PE, BSCE'84
 Mr. Keith A. Miller, MSIO'98
 Mr. and Mrs. Stephen A. Milz, BSEE'86
 Mr. and Mrs. Jerome A. Misiolek, BSCE'87
 Miss Zephia J. Mobley, MBA'03
 Mr. Igor Moiseeff, MBA'04
 Mr. Martin P. Mondejar, MAR'07
 Mr. Martin K. Monte, BSTe'98, MBA'11
 Dr. Robert N. Morales, BSIM'71
 Mr. Cleotha Morgan, BSEE'04
 Mr. Michael A. Morris, BSBA'83 and Mrs. Patricia L. Morris, BSBA'83
 *Mr. Jeffery M. Morrissette
 Mr. Douglas A. Mulder, BSME'03, MSMSE'11
 Dr. Susan J. Munro, MEMS'02, DEMS'08
 Mr. and Mrs. Patrick D. Murphy, BSME'92
 Mr. and Mrs. Robert Murray, Jr., BSME'53
 Mr. and Mrs. Keith A. Mushenski, BSAr'94
 Mr. and Mrs. Thomas A. Musselman, BSEE'86
 Mr. Stewart J. Myers, BSIM'94, MGLM'10
 Mr. and Mrs. Martin J. Nadeau, Jr., BSEE'98
 Mr. Manoj Nadella, MSECE'08
 Mr. Kevin Nagy, BSEE'01, MSECE'04 and Mrs. Constanta Nagy, BFAAI'02, BSAr'02, MAR'05
 Mr. Christopher G. Naida, BSCvE'07
 Mrs. Kimberly A. Nakhleh, AIA, BSAr'04
 Mr. Michael T. Nall, MSAE'08
 Mr. Sarang M. Nanavati, MSECE'07
 Mr. and Mrs. Joseph M. Naujokas, BSME'72
 Mr. David A. Nelson, BSME'86
 Mr. and Mrs. Richard P. Newton, BSEE'55
 Mr. Erick L. Nickerson, BSME'07, MSMSE'12
 Mr. Max E. Nicol, BSIE'49
 Mr. and Mrs. Gregory Nicozisis, BSBA'95
 Mr. Daniel J. Niemi, BSCvE'92 and Mrs. Therese E. Niemi, BSCvE'93
 Mr. Bernard Nikaj, BSME'07
 +Mr. John K. Nissley, BME'47 and Mrs. Twila Nissley
 Mr. Joseph A. Nowakowski, BSAr'93
 +Mr. George W. Nuler and Mrs. Fern Nuler
 Mr. and Mrs. Robert H. Oleson, BSIM'63
 *Dr. Philip D. Olivier
 Mr. Albert R. Olson, BSME'57
 Mr. Thaddeus W. Olsztyn, BSME'66
 Mr. and Mrs. David J. Otto, BSCh'88
 Ottomatic Sales & Consulting LLC
 Mr. Gary M. Pallach, BSME'97
 Mr. Stephen G. Pariseau, BSAr'98, MAR'07
 Mr. and Mrs. Bryant Parnell, DIT-BSBA'75
 Mr. and Mrs. Lawrence J. Patritto, AMT'62, BSIM'70
 Mr. Mark S. Pedersen, BSIM'88 and Mrs. Carol L. Pedersen, BSIM'88
 Ms. Kelly L. Pennell, BSCvE'97
 Mr. and Mrs. Christopher J. Penny, BSAr'97, MAR'04
 Mr. and Mrs. Timothy R. Pepper, BSEE'71
 Mr. and Mrs. George E. Perdue, BSME'94
 Mr. and Mrs. Joseph L. Petrosky, BSME'85
 Mr. and Mrs. William Pickornik, BSEE'75
 Francis Pitts
 *Mrs. Marquita M. Poinsetta
 Mr. Samuel G. Polizzi, BSME'93
 Mr. and Mrs. Bruce R. Polkinghorne, BSME'50
 Mr. David W. Poma, Jr., BSEvC'04
 Mr. Ryan M. Posler, BSCM'10
 Mr. Ray Potts, BSME'57
 Mr. Kenneth A. Poublon, BSME'93
 Mr. and Mrs. Thomas Prescott, BSME'89, MBA'94
 Mr. and Mrs. Russell E. Price, BSBA'83
 Ms. Beverly J. Prior
 Mr. Andrew Prokopow, BSME'61
 Mr. and Mrs. William R. Prutow, BSIM'62
 *Ms. Deborah Przybylo
 Mr. and Mrs. Roger P. Putz, BSAr'81
 Mr. James G. Quain, BSET'92
 Mr. and Mrs. Samuel Radulovich, BSEE'55
 Miss DeAnn M. Rakoczy, BSCh'01
 Mr. Lynn A. Range, BSAE'52
 Mr. and Mrs. Blair P. Reese, LEED, AP, BSAr'89
 Mr. David E. Reichard, BSEE'54



Roger Avie, BSIM'68, and his wife, Judy, and Carolyn and Vic Kochajda, BSEE'52, enjoyed Winterlude.

D O N O R H O N O R R O L L

- *Ms. Emily Remington
Mr. and Mrs. James F. Renaud, BSAr'95
Mr. Steven M. Rennell, BSME'86
Mr. and Mrs. Donald E. Rezanka, BSIM'72
- *Dr. and Mrs. Chris H. Riedel
Mr. and Mrs. Richard C. Risko, AEET'62
Mr. Rocky S. Rizzo, BSCvE'95
RJ Projects, Inc.
Ms. Colleen M. Robbins, MSE'07
Mr. Bruce G. Roberts, AEET'61
- +Mr. Charles G. Roberts and
Mrs. Shirley E. Roberts, BSArE'57, BSCvE'65
Mr. Jared Robinson, MSME'10
Mr. and Mrs. John P. Rockne, AEET'94, BSTe'98, BSCvE'05
Mr. and Mrs. Chris E. Rodgers, BSBA'89
Ms. Myrna L. Roney, MBA'97
Mr. and Mrs. William J. Rosen, Jr., BSBA'80
Mr. and Mrs. Lanny D. Ross, BSCvE'66
The Royal Park Hotel
Mr. Allen R. Runkis, BSBA'77
Mr. Daniel G. Rusecki, BSIM'70
Mr. Richard G. Russell, Jr., GCertNML'07
Mr. Rickey E. Russell, BSEE'93
Mr. Roman Rzasa, BSBA'80
Mr. and Mrs. Anil K. Sachdev
Mr. and Mrs. Michael L. Saez, BSME'89
Mr. Mohammed B. Samhour, BSEE'12
Mr. Jamie M. Samland, BSMCS'04
Mr. and Mrs. Harold L. Sampson, Jr., AMT'65
Dr. and Mrs. Theodore K. Sandberg, PhD, BSCvE'62
Mr. Haitham A. Sarsam, MCEM'09
Mr. and Mrs. Choudhry G. S. Sarwar, BSIM'77
Mr. Gary M. Satkiewicz, BSME'88, and Mrs. Anita J. Satkiewicz, BSME'05
Dr. and Mrs. James O. Sawyer, IV, BSME'85
- *Ms. Gayle A. Schaeff
Mr. Donald N. Schaening, BSArE'56
Mr. and Mrs. Richard G. Schiller, BSCh'73
Mr. Louis R. Schmidt, BSME'49
- *Mr. Mark E. Schmidt, AMET'04, BSET'07
- *Dr. Scott D. Schneider
Mr. and Mrs. John M. Schoener, BSBA'90
Mr. Donald W. Schollenberger and Mrs. Jeanette H. Schollenberger, BSME'65
Mr. Raymond Schroeder, AEET'98 and Dr. Kathleen Schroeder, MBA'95, DBA'08
Mr. Kenneth C. Schultz, BSEE'84
Mr. William A. Schumaker, BSPH'08
Scientific Investigation & Instruction Institute
- Mr. Fred N. Scott, III, BSCvE'65
- *Ms. Jamie R. Scott
Mr. and Mrs. Raymond E. Scott Jr., MBA'91
Ms. Beverly J. Scruggs, BSBA'95
Mr. and Mrs. Thomas J. Sedgewick, BSAr'00
Ms. Jane Seiling
Mr. and Mrs. Stephen J. Seiner, BSME'56
Mr. Thomas E. Seltz, BSEE'66
Mr. and Mrs. Karl D. Senawi, BSEE'87
Mr. and Mrs. Charles K. Sestok, III, DIT-BSME'66
Mr. and Mrs. Edwin C. Shaffer, BSME'50
Mr. Shaakir R. Shah, BSCS'02
Mr. and Mrs. John C. Shaheen, BSAr'83
Ms. Chenpei Shang, MSECE'11
Mr. Charles T. Shedd, AEET'64
Mr. and Mrs. John V. Sheoris, FAIA
Mr. Michael W. Shifflett, BSEE'02
Mr. David M. Shinozaki, BSEE'86
Mr. Ghassan Shuayto and
*Dr. Nadia M. Shuayto, BSBA'88, MBA'96
Mr. Gregory L. Sicilia, BSBA'77
- *Mrs. Starlett Sinclair
Mr. and Mrs. Jerome L. Skelly, BSBA'51
Mr. Raymond W. Skrocki, BSME'72
Mr. and Mrs. David R. Skubik, BSEE'68
Mr. and Mrs. Charles G. Skupin, BSIM'74
The Skyline Club
Ms. Carol S. Slater, MBA'01
Ken and Marcia Slotkowski, AEET'63
Mr. Brian M. Slowik, BSME'81
Mr. and Mrs. Daniel R. Sluka, BSME'77
Mr. and Mrs. William F. Smetanka, BSIM'74
Mr. Bruce G. Smith, BSEE'78
Mr. Charles M. Smith, BSBA'81
Mrs. Grace A. Smith, BSIA'85, BSAr'85
Mr. Samuel Smith, Jr.
*Ms. Diane Sobania
Mr. and Mrs. Ronald W. Sobson, BSME'56
Mr. Lorin S. Sodell, MBA'95
Mr. Davinder S. Sohi, MBA'07
Somerset Inn
Ms. Paula T. Spagnuolo
Mr. and Mrs. John J. Spina, BSEE'73
Mr. and Mrs. Richard E. Stanco, BSEE'59
Standex Electronics, Inc.
Mr. Gary P. Staniszewski, BSME'75 and Mrs. Barbara C. Staniszewski, BSMa'77
Mr. and Mrs. Philip E. Stankewicz, BSBA'77
Mr. and Mrs. Gregory P. Stannis, BSIM'74
Ms. Jean Stenger
Mr. and Mrs. G. Gregory Stephen, BSEE'61

Coleman Foundation grant expands entrepreneurial initiatives at LTU



Clark McCain, a senior program officer with the Coleman Foundation (third from left) meets with Lawrence Tech faculty and administrators who implement Coleman programs.

A two-year, \$150,000 Coleman Foundation “Bright Spots” grant is expanding Lawrence Tech’s already significant entrepreneurial focus.

“We plan to use the grant to increase student engagement with courses that emphasize self-employment and to enhance faculty interaction across the entire Coleman Fellows network,” said Karen Evans, co-director of LTU’s Coleman Fellows program and a Coleman Fellow herself.

The Coleman Fellows program designates select faculty on campuses across the country and supports their use of entrepreneurial training as part of standard course work. At LTU, Coleman funds are used to showcase student work, develop more Lawrence Tech courses with entrepreneurial thinking embedded in the class material, and share strategic best practices and assessment tools with Coleman Fellows at other institutions.

In addition, the organizers have used some of the funding to expand the LTU Entrepreneurial Collaboratory, a consultative service at Lawrence Tech that uses business mentors to help students commercialize their innovative ideas and bring them to market.

“This is the largest gift we have received from the Coleman Foundation,” said Howard Davis, LTU’s director of corporate and foundation relations. “I think it speaks to their confidence in our ability to carry out the programs and their commitment to the expansion of entrepreneurial thinking for the next generation of leaders.” □ DJ

- Ms. Erica L. Stephens, BSCS'05, MSCS'11
Mr. Michael R. Stewart, BSBM'07
Mr. and Mrs. Raymond W. Stocki, BSEE'59
Mr. and Mrs. Richard S. Stojonic, BSMa'72
Ms. Sara B. Summers, MSE'09
Mr. and Mrs. Steven J. Surdock, BSEE'87
Mr. James S. Svenson, BSME'51
- *Prof. Karen P. Swanson
Mr. Mark Swenson
T S Brozek, Inc.

- Mr. Brian E. Tallant, BSME'81
Mr. Lovanadh Tammisetty, GCertTelE'12, MSECE'12
Dr. Hussein Tarraf, DBA'12
Mr. Ronald C. Tegge, BSIM'68
Mr. and Mrs. Bruno J. Temporelli, BSCvE'59
Mr. and Mrs. John E. Tesner, Jr., BSME'85
Mr. and Mrs. Arthur T. Thomas, BSEE'66
Mr. and Mrs. Timothy J. Thomas, BSBA'90

D O N O R H O N O R R O L L

Mr. and Mrs. James J. Thomson, BSME'95
 Mr. and Mrs. Dexter J. Thor, Jr., BSEE'57
 Mr. and Mrs. Brian E. Thornton, BSME'87
 Mr. David N. W. Thunder, MSIS'04
 Mr. Jason P. Thurman, BSME'98
 *Dr. Shannon C. Timmons
 Mr. and Mrs. Leslie D. Tincknell
 Mr. and Mrs. Hadi M. Tjandrasa, BSMCS'86
 Mr. Thomas J. Toft, Jr., BSIM'84
 Mr. and Mrs. Leo W. Tomaszewski, BSCvE'50
 Mr. Norman C. K. Tong, AMET'95, BSTe'98
 Total Soccer of Wixom, LLC
 Mr. Loi N. Tran, BSEE'88
 Trinity Architecture & Management LLC
 Mr. Kevin T. Tule, BSAr'96
 Mr. and Mrs. George W. Turczyn, BSME'72
 Mr. Kenneth R. Tyrer, BSME'01
 Mr. and Mrs. John W. Ugo, BSEE'56
 Mr. Rick D. Urbani, BSEE'84
 Mr. Jerry L. Vample, BSME'97
 Mr. and Mrs. Bernard L. Van Antwerp, DIT-BSBA'64
 Mr. and Mrs. Dennis R. Van Dorp, BSEE'90
 Mr. Frederick Vander Voord, MSIO'99
 Mr. and Mrs. Edward F. Varana, Jr., BSBA'76
 Mr. Ticil Z. Varghese, BSME'11
 Mr. and Mrs. James J. Vehoski, BSME'64, BSIM'69
 Mr. David L. Veit, BSME'85
 Mr. Michael R. Vitti, MSIO'01
 Mr. and Mrs. James E. Vivian, III, BSEE'91
 Dr. and Mrs. Dennis P. Vollman, BSCh'75, BSMA'75
 Mr. Ryan J. Von Drehle, BSAr'98
 Mr. and Mrs. Thomas P. Vukonich, PE, BSCE'75
 Mr. Michael J. Waldinger
 *Prof. Filza H. Walters
 Ms. Sheila M. Wandzel, BSET'99, AMET'95
 Mr. Zhaolong Wang, MSMSE'13
 Ms. Candace J. Watson, BIA'07, BSAr'07
 Ms. Stephanie V. Watson, BSCvE'05
 Mr. Robert O. Webb, BSIM'82
 Mr. and Mrs. Louis Weberman, BSME'53
 *Mrs. Gretchen A. Weiner-Young
 *Dr. Melinda A. Weinstein
 Mr. and Mrs. William C. Weishaar, BSME'61
 Mr. and Mrs. Herbert J. Weiss, DIT-BSME'59
 Mr. Duane E. Welch, BSME'94, BSIM'85
 Mrs. Andrea L. Wellington, BSME'88
 Mr. Danny J. Werner, BSIM'92



Jenny Cable (at right), who represented Aramark Higher Education at Winterlude 2014, spoke with Rebecca and Matt Maracle, assistant director of LTU's Campus Facilities, and Doug Metiva, the Campus Facilities housing coordinator. Aramark was inducted into the Ed Donley Society this year for its generous support to the food service operation and facility management at LTU.

Mr. and Mrs. Jerry B. Werner, BSCvE'60
 Mr. Alan J. Werney, BSCmE'11
 Mr. and Mrs. Michael P. Wick, BSAr'77, BA'78
 Mr. and Mrs. David A. Wickman, BSEE'75
 *Dr. Lynn S. Wietecha
 Mr. and Mrs. Donald E. Wilburn, Jr., BSME'81, MEMS'94
 Ms. Marsha Wiley
 Mr. Lee N. Willard, BSIM'66
 Mr. Michael Willoughby, BSAr'72
 Mr. and Mrs. David G. Wilson, BSME'85
 Mr. and Mrs. Ronald R. Wisner, BSME'60
 Mr. Willie Wolf, BSME'63
 Mr. Leonard K. Wooten, BSME'85
 Mr. Edward E. Wrask, BSIM'68
 Mr. and Mrs. Edward G. Wyborski, BSEE'83
 Mr. and Mrs. James M. Yagley, BSIM'79
 Mr. and Mrs. John V. Yanik, AIA, BSArE'54
 Mr. and Mrs. Charles K. Yankitis, BSIM'75
 Mr. John J. Yeager, BSAr'89
 Mr. and Mrs. Jack Yee, AMET'84, BSET'89, MSIS'00
 Mr. Andrew J. York, BSME'08
 *Dr. and Mrs. Edmund E. Yuen
 Mr. Sohail A. Yusuf, BSEE'86
 Mr. David Zach
 Mr. Richard E. Zander, BSArE'55
 *Ms. Angeline R. Zelenak, MBA'13
 Mr. and Mrs. William D. Ziegler, BSEE'69

Legacy Society

+Mr. Harold E. Bargar, BSME'64
 Mr. and Mrs. Dennis A. Bielawski, BSEE'62
 Mr. and Mrs. Mark D. Bill, BSME'75
 Ms. L. Christine Blackwell, BSHu'78
 Mr. and Mrs. A. R. Bliven, BSArE'51
 Mr. Larry B. Broaddus, AIS'93, BSBM'03
 Ms. Catherine G. Burke
 +Mr. Jack W. Cooley, BSME'50, BSIE'63 and +Mrs. Eileen E. Cooley
 Mr. John S. Davidson
 Mr. and Mrs. Dean V. De Galan, BSEE'74
 Dr. and Mrs. Louis A. De Gennaro
 +Mr. Mario J. Dedona, BSME'48
 Mr. Robert A. Dent, BSME'54
 +Mr. and +Mrs. John R. Fawcett TTEE, BSME'43
 Mr. and Mrs. Michael W. Fitzpatrick, BSME'73
 +Mr. and +Mrs. Paul M. Friesch, PE, BSCvE'50
 +Mr. and +Mrs. Theodore Gelemey, DIT-BSME'43
 Ms. L. Lee Gorman, BSME'97 and Mr. Mark E. Ritz
 +Mr. Clarence W. Harris PE, BSME'50 and Mrs. Mary F. Harris
 +Mr. Robert H. Harrison, BSEE'53
 +Mr. Walter T. Hartung, BSME'48
 Mr. and Mrs. Theodore R. Hayman, BSChE'49, BSIE'53
 +Mr. and Mrs. Russell B. Hebert, BSArE'51
 Mr. and Mrs. Phillip J. Hecksel, BSME'84, MBA'11, GCertPM'11
 Mr. and Mrs. Dino M. Hernandez
 Mr. and Mrs. Charles M. Hill, BSBA'94
 Mr. and Mrs. Robert J. Hitchens, BSEE'79
 Mr. Lester W. Hoelzle, BSME'48
 Mrs. Virginia L. Horton
 +Mr. and Mrs. Alexander Hossack, BSME'48
 *Mr. and Mrs. Dennis J. Howie
 Mr. and Mrs. Werner H. Jessen, BSIE'49
 +Mr. Paul M. Jocham, BSIE'54 and Mrs. Ann W. Jocham
 Mr. Gary A. Kecskes, BSAr'77, BA'78, MA'01
 Mr. George H. Klaetke
 Capt. and Mrs. Joseph M. Klutz, BSBA'85
 Mr. Clifford J. Lavers, BChE'42 and Mrs. Carmela Cole-Lavers
 Mr. and Mrs. Robert C. Look, Jr., BSIM'82
 +Mr. and +Mrs. Adolph Lovoff, BEE'34
 +Mr. H. Douglas Lowrey, BME'41 and +Mrs. Janet M. Barkovich-Lowrey
 +Mr. & Mrs. Ben C. Maibach, Jr.
 +Mr. Willis B. Manchester, Jr., BSME'58
 *Dr. and +Mrs. Richard E. Marburger, HD'93
 +Mr. William F. Marshall, BSME'50 and +Mrs. Bonita J. Marshall
 Mr. Richard L. Matheny, BSIM'73, BSME'79
 +Mr. C.W. S. McGill
 +Mr. Ralph W. Michelson, BSEE'48
 Mr. and Mrs. Leslie Mollon, BSME'56
 Mr. and Mrs. Michael G. Morris
 Dr. and Mrs. William A. Moylan, Jr., BSCE'74
 Mr. and Mrs. Russell R. Noble, BSEE'48
 +Mr. Orval A. Opperthaus, BSIE'48, HD'06 and Mrs. Ann T. Opperthaus
 Mr. and Mrs. Thomas F. Phillips, AIST'61
 Mr. Stephen C. Ragan
 Mr. and Mrs. Ronald L. Ranson, BSEE'66, BSIM'69
 Mr. Robert R. Reiner, BSEE'66
 Mr. Robert A. Saccaro, BSME'44 and +Mrs. Shirley E. Saccaro
 Mr. and Mrs. Joseph F. Savin
 Dr. and Mrs. George Schneider, ACmT'73
 +Mr. William J. Stevenson, DIT-BSME'43 and Mrs. Charlotte M. Stevenson
 +Mr. George F. Stirrat, BSME'52
 Mr. Michael A. Stuart, BSCh'90
 Mr. and Mrs. A. Alfred Taubman, HD'85
 Dr. and Mrs. Kurt O. Tech, BSME'48, HD'90
 +Mr. Raymond L. Urban, BME'35
 +Dr. Harvey A. Wagner, HD'69
 Mr. Clune J. Walsh, Jr.
 Mr. and Mrs. Duane E. Young, DIT-BSBA'64
 Mr. Rudolph J. Zornik, BSIM'72
 Mr. and Mrs. Michael G. Zulinski, BSIM'74

Winterlude Celebrates Donors At Riverfront Evening Gala



ON THE INSIDE

Johnson Controls

Kern Family Foundation

ITC Scholarship



Nighttime River Views Mark Winterlude 2014; Donors Honored at Renovated Cobo Center

With the twinkling lights of the city's riverfront spread out before them, donors to Lawrence Tech dined and danced at Winterlude 2014 in the newly renovated Grand Riverview Ballroom at Cobo Center in Detroit.

An annual donor appreciation event that celebrates the University's most generous benefactors, Winterlude recognized those whose annual gift or pledge was at least \$1,000 or whose cumulative gifts totaled more than \$10,000 by the end of the 2013 calendar year. In addition, the invitation-only, black tie-optional gala inducted 28 deserving donors into various giving societies including a couple who gave \$20 million and wish to remain anonymous.

"We can't thank our donors enough," said Steve Brown, vice president of university advancement, "but this annual, formal evening is one way we can express our appreciation."

With the **Proud Heritage, Bold Future** campaign in full swing for the Taubman Complex, home to the Marburger STEM Center, donors have stepped up to make the vision for this revolutionary educational



The Detroit Riverfront sets the scene.

facility a reality. (See story, page 6.) Groundbreaking will be held on Sept. 19 this fall. The **Proud Heritage, Bold Future** campaign already has raised \$100 million of its \$125 million goal.

"We especially were eager to share the Taubman Complex's progress with the donors who are making it happen," added Brown.

"We especially were eager to share the Taubman Complex's progress with the donors who are making it happen."

Steve Brown, vice president of university advancement

(To learn more about the Taubman Complex visit www.ltu.edu/taubmancomplex.)

President Virinder Moudgil also told the assembled guests, "We will be breaking ground on LTU's third student housing center. This dormitory-style residence is designed to meet the needs of 150 incoming freshmen and other students at the University. We are proud of not only the increase in the number of new students but also their quality. Their average GPA and ACT scores are among the highest in our history."

He also added that LTU graduates enjoy one of the highest placement rates for employment in fields that are relevant to their degrees. "This is continually demonstrated in our ROI—Return on (tuition) Investment. We have moved to the top 100 of all colleges in the country for the earning power generated by their bachelor's degree. And how proud I am to tell you that LTU has the highest ROI in the entire Detroit area!"

Before dinner, guests enjoyed the music of local harpist Krista Grix; after dinner they relaxed with cordials, desserts, and coffee accompanied by the jazz quartet, "The Favorites"—led by Vic Favot, BSBA'84.

Along with Brown and Moudgil, Miss LTU Shelby McPherson, BSAr'17, BSCM'17, addressed the gathering.

Winterlude 2014 Honorees

Lawrence Tech acknowledged the following individuals, corporations, and foundations for their ongoing support of the University as they were inducted into the various giving societies at Winterlude 2014.



A. Alfred Taubman Society

Anonymous

Ed Donley Society

ARAMARK Higher Education

ARAMARK Higher Education expanded its long-time support of Lawrence Tech by underwriting more than \$500,000 in renovation and equipment costs for the new cafeteria and kitchen, making a \$100,000 gift to be used at the discretion of the president, and establishing five \$5,000 scholarships for students. The firm, which manages facilities and dining services on campus, is a global leader in food services, facilities management, and uniform apparel. In 2013, *Fortune* magazine again named ARAMARK one of the "World's Most Admired Companies."



Joe Goetzinger (L) and Brian Bilthuis accepted for ARAMARK Higher Education.

Siemens

Siemens, a global technology company, made an in-kind grant for Product Lifecycle Management software to Lawrence Tech. One of the largest in-kind grants in the University's history, the gift affords LTU students access to the same integrated technology that companies around the world use for lean management and production, standardization, project management, and business systems excellence. Founded 166 years ago, Siemens services customers in healthcare, energy, industry, and infrastructure and operates nearly 300 major production facilities around the world.



Bill Boswell accepted for Siemens.



Winterlude 2014 Honorees

Russell Lawrence Society

TST Tooling Software Technology, LLC

TST Tooling Software Technology of Clarkston, Mich., along with Vero Software, made an in-kind grant of Edgcam—a computer-aided manufacturing software package that interfaces seamlessly with almost all computer-aided design products and allows Lawrence Tech students to work in real-world programs. TST is the master distributor of VISI and PEPS software in the U.S. and Canada as well as a dedicated Edgcam reseller in Michigan. TST provides hardware and software solutions for the tool and mold industry.

E. George Lawrence Society

ITC Holdings Corp.

ITC Holdings Corp., the nation's largest independent electricity transmission company, has endowed the ITC Power Engineering Scholarship at Lawrence Tech for a dedicated full-time junior or senior concentrating in power engineering. (See story, page 8.) In addition, the company will provide an annual internship to the scholarship recipient.

1932 Society

Mario John DeDonna, BSME'48

Retired GM employee and U.S. army veteran, Mario John DeDonna made a generous gift to Lawrence Tech through a Charitable Remainder Unitrust as part of his estate. The former Phi Kappa Upsilon member leaves a legacy to his alma mater as one of the major donors to the new Taubman Complex, home to the Marburger STEM Center.

Godfrey A. Ross, BSCh'73

After a successful 32-year career with the Detroit Water and Sewerage Department, Godfrey Ross retired in 2005. He established the Godfrey Adam Ross Endowed Scholarship for military veterans and their spouses and offspring, as well as several expendable scholarships.

Steel Market Development Institute

Founded in August 2008, The Steel Market Development Institute is a business unit of the American Iron and Steel Institute (AISI). Representing more than 75 percent of North American steel



Mark Oakes represented TST Tooling Software Technology, LLC.



Elizabeth Howell, BSEE'92, and Tom Wrenbeck, BSEE'82, accepted for ITC Holdings Corp.



David Anderson received the award for the Steel Market Development Institute.

capacity, AISI serves as the voice of the North American steel industry. AISI's annual support of Lawrence Tech's industry-sponsored projects and the Transportation Design program advances the education of future engineers and product designers. Its co-sponsorship of a steel wheel design competition offers LTU students the opportunity to influence the worldwide automotive steel wheel market.

The Coleman Foundation

Founded in 1951, The Coleman Foundation is a Chicago-based, private, independent grant-making organization that supports educational institutions offering entrepreneurship education and organizations providing cancer treatment, education, and support. It has established 15 Coleman

Foundation Faculty Entrepreneurship Fellows at LTU since 2009. In 2013, The Coleman Foundation also awarded a two-year, \$150,000 grant to expand Lawrence Tech's already significant entrepreneurial focus by increasing student and faculty engagement with courses that emphasize self-employment.

Trustees Society

Douglas E. and Linda S. Ebert

A member of the Board of Trustees of Lawrence Tech since 2007, when he also was named chair of the Finance Committee, Douglas Ebert has made a significant unrestricted gift to the Taubman Complex. Retired from his post as chief operating officer of Cranbrook Educational Community, he also has had extensive experience in the banking and finance industry.

Elizabeth A., BSEE'92, and Dennis Howell

A scholarship made it possible for Elizabeth (Krumbach) Howell to attend Lawrence Tech after graduating from high school in northern Michigan. Now, vice president of operations for Novi-based ITC Holdings Corp., she established the Elizabeth A. Howell Endowed Scholarship in Engineering



Elizabeth Howell was honored for the scholarship she established.

as her way of saying "thank you" for the excellent education she received at Lawrence Tech. Elizabeth also credits LTU with helping her develop strong leadership skills and hopes her scholarship will

give other engineering students the opportunity to achieve their own goals.

James P., BSArE'66, and Rose J. Ryan

James Ryan parlayed his Lawrence Tech education into his own firm—JPRA Architects in Farmington Hills. Over the years, his more than 47 gifts to the University included \$25,000 for the University Technology Learning Center. James and his wife, Rose, also hosted

dinners in their home to raise funds for the American Institute of Architects student chapter. He serves on the Alumni Board, Legends Board, and Capital Campaign Steering Committee.

Benefactors Society

Sonia Henckel

One of Lawrence Tech's longest serving faculty members, Associate Professor of Mathematics Sonia Henckel has been a loyal donor to the University. Most recently, she made a contribution to underwrite the cost of advanced laboratory equipment as part of Dean Hsiao-Ping Moore's fund in the College of Arts and Sciences.

Midland Tool & Supply

Midland Tool & Supply has been servicing its customers in the construction industry since 1962. Its recent in-kind gift will address LTU's critical shortage of campus storage.

Ely, BSIM'69, and Andrea Tama

Ely Tama, who emigrated from Israel with his family when he was 12, credits Lawrence Tech for his professional success. Managing partner of the accounting firm Tama, Budaj and Raab, PC, in Farmington Hills, Mich., Ely remembers the kindness of Lawrence Tech administrators and the financial support that allowed him to complete his degree. (See story, page 56.)

The Herbert and Elsa Ponting Foundation

The Ponting Foundation's annual support of Robofest helps motivate young minds to learn more about science, technology, engineering, and mathematics (STEM) through autonomous robotics design and competition.

Toyota Motor Engineering & Manufacturing North America, Inc. (TEMA)

TEMA is responsible for Toyota's engineering design, development, R&D, and manufacturing activities in the U.S., Canada, and



Kristen Tabar represented Toyota.

Mexico. TEMA's support of LTU includes its matching gift program, student projects, and sponsorship of Robofest.

Presidents Club Lifetime

David G., BSEE'61, and Janice Ashland

Irving A. Beemer, BSME'64

Jerry L. and Joyce A. Crist

Faurecia

Vanig Godoshian, AEET'71

John W., BSME'68, BSEE'73, and Margaret A. Honkala

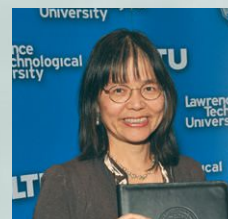
Shi-Ping Hsu

MAHLE Industries, Inc.

Javad, BSME'79, and Zohreh Mokhbery

Keith A., BSME'95, MAE'01, and Valerie Nagara

Reverie Inc.



Dean Hsiao-Ping Moore accepted for her brother, Shi-Ping Hsu.



Joachim Wagenblast received the award for MAHLE Industries.



Keith, BSME'95, MAE'01, and Valerie Nagara



Mike Murshak and Jacob Lalinsky were acknowledged for Reverie Inc.

Taubman Complex Phase I to Break Ground Sept. 19; Momentum Building for Phases II, III

Seen in this 3D model, the Taubman Complex Phase I will include the new structure linking the current Science and Engineering buildings.

The Taubman Complex, home of the Marburger STEM Center, is quickly becoming a reality as recent contributions—including an anonymous \$20 million gift—gave Phase I the green light for a Sept. 19 groundbreaking.

“We are definitely on a roll,” said Steve Brown, vice president of university advancement. “We met Mr. Taubman’s very generous challenge gift of \$11 million and made enough progress on our goal to receive approval from our Board of Trustees to launch Phase I this fall.”

With a planned start date for fall classes in 2016, the first phase of this innovative, interdisciplinary structure will link the Engineering and Science buildings and bring the vision of design architect Thom Mayne to life. “This facility will accommodate the explosion of ideas and methodologies that will serve known and unanticipated academic needs over the next several decades,” said Mayne, founder of the design firm Morphosis, during a visit to campus.

The original Engineering Building was designed by Earl Pellerin, the University’s first architecture professor and, later, dean of the School of Architecture. “The new building will celebrate what’s good in the original Earl Pellerin design and make it that much better,” said Alan Cobb, vice president of Albert Kahn Associates, which is the architect of record for the project. “It will bring a cutting-edge attitude.”

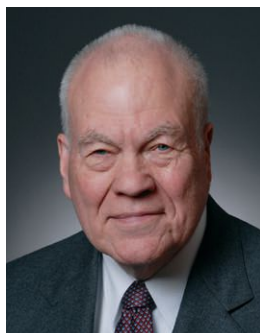
“It’s exciting to see the ‘facility of the future’ taking shape before our very eyes,” added Brown. “Gratified as we were to meet the Taubman Challenge and receive the go-ahead for the first phase, there still remains before us the very real challenge of raising another \$25 million to secure the completion of Phases II and III of the Taubman Complex to close out the **Proud Heritage, Bold Future** campaign.”

“There are plenty of opportunities for all of our donors and supporters to name places and spaces within the Taubman Complex for all three phases with price tags that range from \$100,000 to \$3 million,” said Dennis



The Thom Mayne design will come to life this fall as University trustees approved construction of the first phase of the Taubman Complex.

Howie, associate vice president of advancement and chief development officer. “Now that we’ve got a date to put shovel to dirt, the whole project is becoming a reality and the need to fund it through to final completion is even more compelling.”



Richard E. Marburger

Taubman Complex to Feature Marburger STEM Center

In keeping with the wishes of anonymous donors who contributed \$20 million to the project, a portion of the new complex will be devoted to the Marburger STEM Center named in honor of President Emeritus Richard E. Marburger. The center will be dedicated to implementing and coordinating a rigorous focus on

science, technology, engineering, and mathematics in Lawrence Tech’s academic programs.

“Building upon our Theory and Practice philosophy, the new center also will help establish a teaching approach across our disciplines that incorporates another version of STEM—Systems, Technology, and Educational Mentoring,” said Richard Marburger, president emeritus. “Exciting things are happening around here.”

ENDOWED SCHOLARSHIPS



Donley Family Foundation Continues Big-Hearted Legacy to Lawrence Tech

Following in the generous footsteps of their parents Ed, BME'43, and Inez Donley, their three children—John, Tom, and Martha—have announced a \$350,000 gift to Lawrence Tech from the Donley Family Foundation. It will be used for scholarships for minority students focusing on the STEM disciplines of science, technology, engineering, and math. The grant will be matched dollar-for-dollar by the University's own resources.

The largest single gift in the Donley Foundation's history, it furthers the organization's mission to support programs and organizations that give under-served people the educational skills and resources they need to achieve their potential. It is reflective of the Donleys' long-time personal philanthropy, which has provided more than \$5 million in support for the University mostly focused on scholarships for promising minority students in the College of Engineering.

"Ed and Inez have been in the vanguard of our most generous donors for decades," said Steve Brown, vice

president of university advancement. "Their Ed and Inez Donley Scholars Program is the largest endowed scholarship in the history of Lawrence Tech. The Donley Foundation, which is run by their three children and four



The Donley family (L-R): John, Inez, Ed, Martha, and Tom. Photo top left: Ed's graduation picture, 1943.

of their grandchildren, will ensure that their vision and mission continue." In honor of their exceptional support, a Lawrence Tech giving society which acknowledges donors whose contributions to Lawrence Tech exceed \$1 million, has been named for them.

Ed Donley, a former LTU board chair, also served as co-chair of

the "Campaign for Lawrence Tech: A Commitment to Our Students" from 1999 to 2007. The Donleys' initial gift launched the effort, which ultimately raised \$46.46 million for the University, more than doubling the campaign's initial \$20-million goal.

He retired from Air Products & Chemicals, Inc., in Allentown, Pa., as chairman. He also was chairman of the U.S. Chamber of Commerce. In addition, he was chairman of the board of directors of American Standard, Inc., and served on the boards of Cooper Tires, Mellon Bank, Pennsylvania Power and Light, and the National Endowment for Democracy.

Inez Donley, who passed away in 2013, was a long-time civic and community volunteer.

The Donley Foundation was created in 1987. It supports libraries, early childhood education, non-traditional post-secondary education, adult literacy, teacher training and support, enhancements for disadvantaged children, and programs that help close the achievement gap between different populations.

Stirrat Bequest Adds \$70K To LTU's First Athletic Scholarship

George Stirrat, BSME'52, bequeathed \$70,000 to Lawrence Tech to provide additional funding from his estate for the George F. and Gloria Ann Stirrat Memorial Endowed Scholarship in Athletics.

The loyal alumnus and donor, who passed away earlier this year, founded Lawrence Tech's first athletic scholarship in 2011 with a \$20,000 cash gift and an investment in a real estate partnership that pays the University \$10,000 annually.

A soccer standout in his native Northern Ireland before he immigrated to the United States in 1947, Stirrat was motivated to establish the endowed

scholarship for student athletes when Lawrence Tech returned to collegiate competition by joining the National Association of Intercollegiate Athletics in 2011-12 school year. He was particularly pleased to learn that soccer had been elevated to the varsity level.

The scholarship is intended for an incoming or current undergraduate or graduate student of either gender who participates in varsity athletics and carries a minimum grade point average of 3.0.

Before retiring from Ford Motor Company in 1983, Stirrat had risen to the post of chief powertrain systems engineer. In 1967, he was honored



George Stirrat with daughters, Carolyn Doyle (L) and Sandra Uridge.

with the Lawrence Tech Alumni Achievement Award.

"George and his daughters were able to join us for Winterlude two years ago. It was wonderful to see them and celebrate his generosity to Lawrence Tech," said Steve Brown, vice president of university advancement. "He was a grand gentleman, and he will be missed."

Endowed Scholarships Guarantee Tuition Assistance For Generations to Come

“Endowed scholarships are a way for alumni and other donors to leave a legacy at Lawrence Tech that will help students achieve a first-rate education for generations to come,” said Dennis Howie, associate vice president and chief development officer.

“When donors fund an endowed scholarship, their initial investment—which can be \$20,000 or higher—often is paid

over several years. When the scholarship is fully funded, we draw the monies from the interest that has accumulated and award the students scholarships,” he added.

“Donors are free to set up the scholarship to fit their preferences for area of study, academic year, gender, or any of a wide variety of criteria to fashion a scholarship that satisfies their intention.”



ITC Establishes Endowed Scholarship with \$250K For Students Studying Power Engineering

ITC Holdings Corp., the nation’s largest independent electricity transmission company, which is based in Novi, Mich., has enhanced its long-standing affiliation with Lawrence Tech by donating \$250,000 to establish The ITC Power Engineering Scholarship in the College of Engineering. It will afford one full-time student half tuition each year.

Joseph Welch, chairman, president, and CEO of ITC, who recently joined the Board of Trustees at Lawrence Tech, said, “This endowed scholarship will give dedicated students an

opportunity and additional reason to continue their LTU education, graduate, and begin their careers in the field of power engineering.”

He added that it will advance the ITC-LTU partnership while creating a robust electrical engineering and power engineering talent pipeline. “As a corporation, we’re also hoping to engage with Lawrence Tech in areas like academic programs, research initiatives, and industry collaboration as we look to provide students with real-world experience.”

Philip Olivier, chair, Department of

Electrical and Computer Engineering, said, “This expanded relationship with ITC will benefit our students and help us in developing the top talent that the power industry requires.”

ITC invests in the electric transmission grid to improve system reliability, expand access to markets, lower the overall cost of delivered energy, and allow new generating resources to interconnect

“Supporting and encouraging top students to pursue power engineering as a career will only serve to strengthen and improve our company and our industry.”

Elizabeth Howell, BSEE’92, vice president of operations, ITC

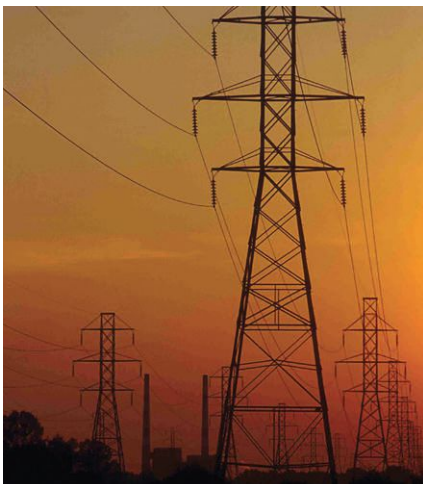


Crist Caps 45-Year Career With Endowed Scholarship, Lab Dedication

to its transmission systems. ITC's regulated operating subsidiaries include ITC Transmission, Michigan Electric Transmission Company, ITC Midwest, and ITC Great Plains. ITC also has been a leader in preparing more American students to pursue STEM degrees to build the 21st century economy.

"A highly skilled workforce is the cornerstone of America's economic competitiveness today, and engineers comprise a significant segment of our industry and ITC's workforce," said Elizabeth Howell, BSEE'92, vice president of operations, ITC. "Supporting and encouraging top students to pursue power engineering as a career will only serve to strengthen and improve our company and our industry." Howell is a member of the Lawrence Tech College of Engineering Advisory Board.

Mark Brucki, executive director of economic development and government relations, who heads up Lawrence Tech's heightened emphasis on developing strong relationships with corporate partners, said, "ITC will also be offering a paid internship each year to the student who is awarded the scholarship as a way to increase the recipient's hands-on experience. This is a perfect way to enhance Lawrence Tech's Theory and Practice model of education with a great industry partner like ITC."



When Jerry Crist, professor of chemistry and chair of the University Scholarship Committee, announced that he would retire in 2013, Lawrence Tech named a chemistry lab in the Science Building after him. At the dedication, Dan Johnson, BSMA'76, BSPH'76, who had anonymously established a scholarship in Crist's name in 2011, traveled from Maryland to attend the ceremony and identified himself as the anonymous donor.

"I was so surprised," said Crist, whose 45-year tenure was one of the longest in the school's history. "It was wonderful to see Dan again, and I was honored that he would establish a scholarship in my name."

"Dr. Crist was a rock and an inspiration to students," said Johnson, now a consulting engineer at Northrop Grumman. His initial gift has been matched by others—including a second anonymous contributor who has offered to match other gifts up to \$10,000 to the College of Arts and Sciences Scholarship in Honor of Dr. Jerry L. Crist.

At the lab dedication, Dean Hsiao-Ping Moore said, "Professor Crist is one of those exceptional teachers whose life and career are an inspiration to our students and to all of us as educators. Dedicating a lab to a professor is a rare event. But he is that rare professor for whom this dedication is fitting and appropriate."

Recipient of the Henry B. and Barbara J. Horltd Excellence in Teaching Award in 2009, Crist is a graduate of the Ohio State University where he received both master's and PhD degrees in inorganic chemistry. He was founder of Lawrence Tech's



Jerry Crist (L) and Dan Johnson, BSMA'76, BSPH'76

student affiliate chapter of the American Chemical Society and served as its faculty advisor as well as for the honor society, Lambda Iota Tau. He served as chair of the Department of Chemistry (1980–90) and chair of the Department of Natural Sciences (1990–92). He also was founder of the University's Scholarship Committee and chair since its inception more than 30 years ago.

Both of his sons, Jeffrey, BSCh'90, and Jason, BSCh'97, as well as his daughter-in-law, Christa, BSAr'98, BSCE'00, attended Lawrence Tech.

Crist and his wife, Joyce, live in Troy and are looking forward to spending retirement with their family.

Former students and others who wish to contribute to the scholarship fund should contact Angie Zelenak, philanthropy director, at 248.204.2216 or azelenak@ltu.edu.



"Dr. Crist was a rock and an inspiration to students."

Dan Johnson, BSMA'76, BSPH'76

Kern Family Foundation \$700K Grant Caps Off Entrepreneurial Engineering Program

The Kern Family Foundation awarded nearly \$700,000 to Lawrence Tech to expand its support for entrepreneurially focused education for engineering students. Building on several previous grants, this latest gift brings the foundation's cumulative giving to the University to \$2.5 million.

"This grant will allow us to develop a sequence of project-based courses or engineering studios across all four years of the undergraduate experience. It will help us institutionalize active, innovative, collaborative learning that encourages curiosity, fosters the ability to define problems and solutions, helps students recognize business opportunities, and supports them as they take risks and learn from failure," said Maria Vaz, provost, who is principal investigator for the grant. "All of these attributes will help them develop an entrepreneurial mindset and prepare them for career success."

A large team has been working on this college-wide shift in perspective. They include Don Carpenter, who is co-principal investigator on the current grant; as well as Don Reimer, Andrew Gerhart, Karen Evans, Keith Nagara, and Scott Schneider and as many as 50 other faculty members. In addition, Margaret Pierce, director of career services, is affiliated with the effort, and Katie Jolly serves as program coordinator.

The grant will augment developments already in place from previous Kern Family Foundation contributions that focused on student outcomes like multidimensional problem solving, productive collaboration, illuminating communication, and resolute integrity, as well as specialized faculty training

and support through the Kern Fellows Program. "At the outset, the Kern Family Foundation identified two faculty members at each participating university as Kern Fellows to act as program champions," said Don Carpenter, professor, civil engineering. He and Greg Feierfeil, former professor, mechanical engineering, were the designated Kern Fellows at Lawrence Tech. When Feierfeil retired, Don Reimer, college professor, mechanical engineering, was appointed.

"This latest gift will allow us the opportunity to integrate the entrepreneurial focus by design across all four years through specific modules, studios, and classes. Each will build on the other and give our students an entire engineering education seen through the lens of entrepreneurialism," he added.

"We have a very dynamic educational environment, and it makes us unique among engineering schools," said Vaz. Other universities and colleges already are benchmarking Lawrence Tech's innovative curriculum developments and teaching techniques. Several faculty members have been invited to present workshops to other universities in the Kern Entrepreneurial Education Network on how Lawrence Tech has infused the entrepreneurial mindset throughout its entire engineering program.

Vaz believes Lawrence Tech is training engineering students to be active participants in their companies and in their careers. "We are

Kern | FAMILY FOUNDATION

extremely grateful for the Kern Family Foundation's support that has made so much of this possible."

The Kern Family Foundation, a private, independent grant-making organization, was founded in 1998.

Many Ways to Give

Donors who wish to make gifts to the University can establish their own endowed scholarships with specific criteria, underwrite existing efforts or programs, or contribute to various funds and scholarships that already have been established. A partial list includes:

- **Gordon Bugbee Undergraduate Travel Abroad Scholarship Fund in Architecture**
- **Leadership Travel Abroad Fund**
- **College of Architecture and Design Development Fund**
- **College of Arts and Sciences Development Fund**
- **College of Engineering Development Fund**
- **College of Management Development Fund**
- **The Library Fund**
- **Paul Michel and Jane Goding Memorial Endowed Scholarship**
- **Dr. Laird E. Johnston Memorial Endowed Scholarship**
- **Dr. Charles M. Chambers Memorial Endowed Scholarship**

"We have a very dynamic educational environment, and it makes us unique among engineering schools."

Maria Vaz, provost



Kern Family Foundation Supports Lawrence Tech Faculty Efforts

To bolster its ongoing support of the College of Engineering at Lawrence Tech, the Kern Family Foundation also has awarded a number of smaller grants to faculty members to create projects, modules, and workshops that will help students and faculty expand their entrepreneurial knowledge.

Engineering Learning Modules based on “The Quantified Self” Social Movement

Faculty: Eric Meyer, assistant professor, biomedical engineering, principal investigator; Mansoor Nasir, assistant professor, biomedical engineering, co-principal investigator
Amount of Grant: \$40,000
Purpose: To develop multidisciplinary engineering learning modules based on the “Quantified Self” social movement, which collects data about people from wearable technology and personal sensors as well as trackable data from social media sites and e-commerce activities to begin to understand how all these factors correlate to one another and affect a person’s psychology or physiology.



Eric Meyer

Dynamic Compass Network

Faculty: Don Carpenter, professor, civil engineering, project director/principal investigator
Amount of Grant: \$150,300
Purpose: To work in conjunction with five other universities—Boston University, Gonzaga University, Kettering University, St. Louis University, and Worcester Polytechnic Institute—to form the Dynamic Compass Network so faculty can share innovative approaches to entrepreneurial education in such areas as curricular innovation, faculty excellence, peer collaboration, continuous improvement, and experiential learning.



Don Carpenter

Sustainability Module Development

Faculty: Ahad Ali, associate professor, mechanical engineering, principal investigator
Amount of Grant: \$47,000
Purpose: To work in collaboration with three other universities—Gonzaga University, Ohio Northern University, and Saint Louis University, all members of the Kern Entrepreneurial Education Network (KEEN)—to develop two sustainabilityrelated educational modules in the area of product development and integrate them into courses in the 2013–14 school year. Each university developed a 15–18 minute video sharing its students’ proposals and final presentations. This summer, the efforts will be assessed in light of the KEEN student outcomes and shared with the other schools in the network.



Ahad Ali



Andy Gerhart

Integrating Curricula with Entrepreneurial Content (ICE) Workshop

Faculty: Don Carpenter, professor, civil engineering, workshop leader
Amount of Grant: \$39,000
Purpose: To create transferrable, replicable KEEN resources by developing a professional development opportunity for faculty called the New England Integrating Curricula with Entrepreneurial Content Workshop.

Creativity, Innovation, and Ingenuity Summer Enrichment Program

Faculty: Andy Gerhart, associate professor, mechanical engineering, principal investigator
Amount of Grant: \$40,480 (over two years)
Purpose: To develop a week-long summer camp for undergraduate engineering students from institutions within KEEN during the summers of 2013 and 2014. Lawrence Tech partnered with The Henry Ford, so that the week’s activities are split between the two locations. Through hands-on activities, students learn processes for creativity and problem-solving and apply them to team projects that are presented to their peers at week’s end. Documentation will be developed and disseminated so that other institutions can replicate similar camp and partnership efforts.

Small Group Grant—“Home”

Faculty: Jim Jolly, director, Leadership Program
Amount of Grant: \$1,500
Purpose: To share the movie “Home” and have students develop a business plan based on its message about the depletion of natural resources and the catastrophic evolution of the Earth’s climate.

Small Group Grant—“A Whole New Mind”

Faculty: Maria Vaz, provost
Amount of Grant: \$1,500
Purpose: To have faculty members read and meet in small groups to discuss Dan Pink’s book, “A Whole New Mind,” which purports that the future belongs to artists, inventors, storytellers, creative and holistic “right-brain” thinkers, and find ways to bring his ideas to their students.

Ciampa Grateful for LTU Education, Creates Legacy of Generosity



Fred Ciampa, BSME'64, and his wife, Marilyn, visit with Ray Ziegler (center), fab lab supervisor, after the dedication ceremony.

When Fred Ciampa, BSME'64, graduated from Dearborn's Fordson High School in January 1954, he had planned to enroll in the University of Michigan. But his father had other ideas. "He told me that if I wanted to go to college," said Ciampa, "I would have to figure out a way to pay for it on my own.

"Well, that got me to Lawrence Tech, where I could work full-time and go to school at night. It was a long haul for me—it took 10 years to earn my degree, and I was married and had a couple of kids by the time I graduated; but it was well worth it. I had the practical, hands-on training I needed to succeed, and I am very grateful."

Over the years, his gratitude has turned into generosity; he is one of Lawrence Tech's most loyal donors. Members of the 1932 Society, which honors those who have given between \$100,000 and \$249,999, Ciampa and his wife, Marilyn, have been making contributions to Lawrence Tech since 1972.

Their gifts include \$100,000 to name the Fred A. and Marilyn L. Ciampa Fabrication Lab in the A. Leon Linton Department of Mechanical Engineering. "It's like having a little machine shop right on campus. Other colleges don't have that. These students know how to make parts and will be able to take that knowledge to their jobs."

They also contributed \$25,000 to name Tutors' Row in the A. Alfred Taubman Student Services Center. "I wasn't the best student," Ciampa admitted. "It was a struggle for me to get ahead at work, do my schoolwork, take care of my family, get to class on time. I wanted to offer assistance to other young students who might need a little boost. That's why Tutors' Row appealed to me," he said.

The Ciampas also have made a series of contributions to the College of Engineering, Affleck House, Blue Devil Motorsports, the Don Ridler Field House, and the annual fund.

Ciampa retired from the Transmission and Chassis Division at Ford Motor Company in 1999. His 40-year tenure with the automaker included a four-year stint in China negotiating a joint venture between Ford and a Chinese powertrain manufacturer.

"I've been lucky. I've had a great career, and we have been able to live well," said the proud member of Phi Kappa Epsilon, who later went on to earn an MBA. "My education at Lawrence Tech is the reason all of this was possible."

Now living on a 5-1/2-acre spread in Northville, Mich., Ciampa fills his time restoring antique engines—he's recently added outboards to the mix—and vintage cars. His latest acquisitions are a 1940 two-door Ford sedan and a 1928 Model A Ford pickup truck. "Part of the fun is the challenge of finding parts for these old machines," he said.

As for the future? "More cars and engines to work on, and I expect I'll donate more to Lawrence Tech," he said with a smile.

"I've been lucky. I've had a great career, and we have been able to live well. My education at Lawrence Tech is the reason all of this was possible."

Fred Ciampa, BSME'64



Affleck House Restoration Moves to Next Phase



Bolstered by a silent auction fundraiser that produced nearly \$3,000, The Affleck House Restoration Council is now focusing its attention on upgrading the kitchen and electrical system in the University's iconic Affleck House designed by Frank Lloyd Wright.

"We have been very fortunate to pay for some of the restoration projects from proceeds from the sale of hand-crafted cypress wood pens made by Fred Butters and drawings of the house sketched by Harvey Ferrero," said Julie Vulaj, philanthropy director. "Yes, this is creative fundraising, but it has worked! The University is grateful to all those who have shared their talent, volunteered their time, or made outright contributions to ensure the Affleck House maintains the standards both the architect and family would expect."

Working with National Historical

Preservation Society guidelines, the University and the Restoration Council are being careful to retain the home's original materials and design.

The 1941 home in Bloomfield Hills was donated to the University in 1978 by the children of Gregor and Elizabeth Affleck. Last year's big projects at the historic home were the reconstruction of the exterior staircase and retaining wall as well as replacement of the driveway with natural limestone, redirecting drainage, and reinstalling the original external lamp posts.

Clean-up days were initiated by the Restoration Council. LTU faculty, staff, students, and friends spent many hours cutting small trees and clearing brush and debris, vastly improving the view of the house from the southeast approach. Also, a generous donation of planting materials from Bordine's in Rochester helped the council replenish

the house grounds with healthier, non-invasive species.

The improvements will allow the home to be used as a setting for more University, community, and civic events.

Due to the success of the clean-up days, an Affleck House Grounds Committee is being formed. Anyone interested in joining the club should contact Jennifer Matz, philanthropy officer, at 248.204.2219 or jmatz@ltu.edu.

Tours of the Affleck House are offered the third Saturday of the month from April through November. To sign up, visit www.ltu.edu/affleck_house/tours.asp.

To make a contribution to the Affleck House restoration, contact Julie Vulaj at 248.204.2313 or jvulaj@ltu.edu.

Johnson Controls Announces Corporate Partnership With Lawrence Tech; Donates Equipment, Aligns Resources

Johnson Controls, Inc., a global, multi-industry company with core businesses in the automotive, building efficiency, and energy storage sectors, has announced a partnership with Lawrence Tech that will sponsor University opportunities for applied research and provide students with hands-on, real-world experience.

Johnson Controls is donating test equipment and deploying other resources to support research and development of energy storage technologies for automotive applications. Ultimately, these technologies will save consumers money through improved vehicle performance and functionality.

It's all part of a new and expanded relationship with Johnson Controls spearheaded by MaryAnn Wright, vice president of engineering and product development for Johnson Controls Power Solutions, who joined LTU's Board of Trustees in 2013.

"We believe strongly in building the next generation of technical leaders through academic partnerships," said Wright. "It is an investment in both the future of academic research in energy management as well as the development of the talent pipeline for our industry."

"The partnership with Johnson Controls is part of a broader effort

by Lawrence Tech to respond proactively to the needs of our corporate partners with innovative academic and research programs. We are helping corporate partners develop market-based solutions while providing students with real-world experiences and skills," said President Virinder Moudgil.



Assistant Professor Giscard Kfoury and a student in the newly renovated dynamometer lab.

As a result, LTU is leveraging its faculty expertise and research facilities in energy storage systems, electrification applications, modeling and simulation, and vehicle testing to assist Johnson Controls in meeting its research-and-development objectives.

Mark Brucki, executive director of economic development and government relations, stated, "We are very honored that Johnson Controls is partnering with LTU to drive vehicle efficiency, innovations, and support for the development of the next generation



of technical talent." Brucki added, "It's all about creating real-world research and leading-edge academic programs through collaboration. The engineers, scientists, faculty, and leadership teams from both organizations have a great rapport with each other and work well together—all to the benefit of our students."

So far, Johnson Controls has funded significant upgrades to the dynamometer that Lawrence Tech uses for testing automobiles. Thanks to Johnson Controls' donation, the 12-year-old dynamometer received four new electric motors that power the wheel rolls; a robot "driver" that is better able to consistently perform than human drivers; and a robust data acquisition system that will help researchers analyze results.

"When our original, four-wheel chassis dyno was installed, it was state-of-the-art and very unique, even for industry, let alone for universities," said Giscard Kfoury, associate professor of mechanical engineering. But the technology moved on and the old dynamometer wasn't able to meet more stringent and complex testing parameters.

With this upgrade, LTU will be able to provide testing services in the areas of engine efficiency, thermal management, hybrid powertrain analysis, regenerative braking systems, wheel lock or slip, and engine control strategies, among others.



"We are very honored that Johnson Controls is partnering with LTU to drive vehicle efficiency, innovations, and support for the development of the next generation of technical talent."

Mark Brucki, executive director of economic development and government relations

Wall in Buell Building Acknowledges Corporate Partners, Honors Longtime Relationships with Companies



Robert Trecapelli, BSME'99, speaking at the dedication, with (L-R) Lloyd Reuss, chairman, Board of Trustees; MaryAnn Wright, trustee; and Vincent Dow, BSEE'79, trustee.



Left: The new Corporate Partners wall in the Buell Management Building honors 35 inaugural inductees.

The Corporate Partners wall at the entrance to the Buell Management Building honors a blue chip roster of some of the nation's leading companies, all of which are loyal, generous supporters of Lawrence Tech.

Dedicated in January, the customized panels permanently line the wall along the corridor that leads to the president's office.

"Over the years, our corporate partners have played a significant role in helping our students meet their educational goals and get a head start on their careers," said President Virinder Moudgil. "Highlighting the significant contributions of our corporate partners points out the value of an LTU education and the career opportunities that so often result from internships, co-ops, and projects prior to graduation."

"We were looking for a way to celebrate these companies that have made a difference for so many of our students and alumni," said Howard Davis, director of corporate and foundation relations. "This installation is a formal recognition and a heartfelt thank you to these corporate friends of such long standing."

To be selected as a Corporate Partner, companies had to demonstrate significant support in four areas: academic programming, applied research and industry-sponsored projects, career pathways for LTU graduates, and a strong history of philanthropy.

Other speakers at the recognition ceremony included Lloyd Reuss, chairman of LTU's Board of Trustees; MaryAnn Wright, an LTU trustee, who is vice president of engineering and product development at Johnson Controls Power Solutions; Vincent Dow, BSEE'79, an LTU trustee, who

is vice president and chief engineer for distribution operations at DTE Energy; and Robert Trecapelli, BSME'99, who is director of digital innovation/PLM/EPIC at Ford Motor Company.

The inaugural roster of LTU Corporate Partners includes:

Aramark Higher Education, AT&T, AVL, Barnes & Noble College, Barton Malow, Chase, the Chrysler Foundation, Chrysler LLC, Comerica, Consumers Energy, Denso, DTE Energy, Dow, Eaton, Federal Mogul, Ford Motor Company Fund, Grant Thornton, General Motors, Harley Ellis Devereaux, Huntington, IBM, ITC Holdings Corp., Johnson Controls, JPRA Architects, Kahn, Lear Corporation, Lockheed Martin, Masco Corporation Foundation, Meritor, Michigan First Credit Union, Microsoft, Nissan, Roush, Siemens, Toyota, and Walbridge.

Tama Thanks Lawrence Tech with Lifelong Generosity

Ely Tama, BSIM '69, has taken a circuitous route to success. Born in Germany, he moved with his parents to Israel when he was one-year-old and then to the United States when he was 12. Settled in suburban Detroit, he graduated from Berkley High School and enrolled at Lawrence Tech in engineering.

"I chose engineering because I was good in math and I liked numbers. But after my first year, I had a 1.0 grade point and was on the verge of being kicked out," he remembered. "I thought, 'I can't go home and tell my parents I've failed. What am I going to do?' Lawrence Tech was kind enough to put me on probation and a professor suggested I take an accounting class. I had no clue what accounting was, but I figured I had nothing to lose. What a difference! I made the dean's list every semester after that."

As a result, he qualified for a scholarship. "I actually finished my degree for free," he said. "I told myself at the time that for the rest of my life I would be a donor to Lawrence Tech."

It is a promise he has kept for 42 years.

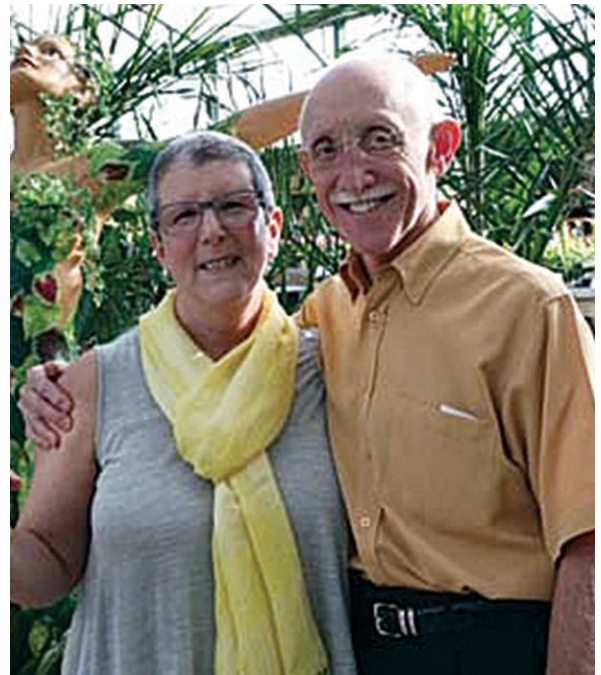
Since his initial gift of \$20 to the annual fund in 1972, he has made at least one gift every year—a total of 45 separate donations—earning him membership in the Benefactors' Society.

After he graduated from Lawrence Tech, Tama took the exams to become a CPA. Working initially for a large firm, he eventually joined a smaller private one and became managing partner when the founder retired. Today, he serves as president of Tama, Budaj and Raab, PC, in Farmington Hills, Mich., which offers individual and corporate clients a full range of financial and accounting services.

"I have had a wonderful life," said Tama. "And I owe so much of my good

fortune to Lawrence Tech and the faculty and staff who had faith in me and gave me a second chance."

An avid biker (he has participated in the last leg of the Tour de France twice) and dedicated runner (he has completed 15 marathons), Tama is proudest of his two daughters, Monica and Jessica; their husbands, Jason and Chris; and his two grandchildren, Charlie and Evelyn. He and his wife, Andrea, an artist and interior designer, live in Farmington Hills.



Andrea and Ely Tama

"I owe so much of my good fortune to Lawrence Tech and the faculty and staff who had faith in me."

Ely Tama, BSIM '69

PLANNED GIVING

Manchester Bequest Caps Lifetime of Giving

Willis "Bill" Manchester, BSME '58, was a quiet, hardworking man with a big heart. When he passed away last October, his estate included a \$30,000 bequest for Lawrence Tech.

Dennis Howie, associate vice president and chief development officer, said, "Over the years he made numerous gifts to the College of Engineering, the library, the annual fund, the Alumni Association, and the

Taubman Student Services Center. This final gift is an extension of his longtime giving."

Manchester spent two years at the Highland Park campus before he left to serve in the Korean Conflict as a Seabee with the U.S. Navy—something of which he was very proud. When he returned, he completed his degree on the GI Bill at the Southfield campus.

"He had a special affiliation with

Lawrence Tech," added Howie. "His father was a boyhood friend of E. George Lawrence, one of the University's founders, and they often played cribbage together."

A loyal employee of George A. Bass Construction Company, Manchester volunteered on his own time to prepare tax returns for low-income seniors as a way to give back to his community. His wife, Shirley, passed away in 1996.

Marcums Shared Love of Lawrence Tech, Support for Students, Programs

Frank Marcum, BSME'72 DIT, is perhaps best known around campus as the creator of the Mary Ann Marcum Customer Service Award that recognizes Lawrence Tech employees for excellence on the job.

He founded the biannual honor in 2007 in memory of his late wife, Mary Ann, MBA'92, who was director of continuing education at Lawrence Tech at the time of her death.

He leveraged matching funds from his former employer Detroit Edison and a grant from the Michigan Community Foundation to augment his initial personal contribution of \$10,000 to establish the award with \$30,000. He has made additional donations to the fund as well.

Earlier, in 2001, he also had created in his wife's honor the Mary Ann Marcum Memorial Endowed

"Mary Ann and I both wanted to help students reach their goals," he said.

Although he was a graduate of the Detroit Institute of Technology, which closed in 1981, he adopted Lawrence Tech, which houses all the DIT records, as his alternate alma mater. "DIT isn't around anymore," he added. "So I switched my support. Anything I can do to help today's students is worthwhile."

But people might not realize how far-reaching Marcum's connections with the University are. He was an adjunct professor, teaching the computer language Fortran and



Mary Ann and Frank Marcum



Admissions receptionist Wanda Barnes, the latest recipient of the Mary Ann Marcum Customer Service Award, was honored on May 15 by Frank Marcum (left) and LTU President Virinder Moudgil at a ceremony in the Buell Management Building. Along with a commemorative plaque, Barnes received a \$1,000 honorarium.

Scholarship for non-traditional female students.

Both are reflective of the Marcums' shared belief in the importance of education.

systems analysis and design as part of the associate studies program.

When his wife passed away, he actually served as interim director of continuing education until a permanent

successor could be hired.

He even took a turn as a staffer on the Laptop Help Desk.

Marcum, who was on the strategic planning and by-laws revision committees for the Lawrence Tech Alumni Association, was elected to its Board of Directors in 2009.

He is retired from Detroit Edison, where he worked in IT and technical systems.

Marcum makes regular annual donations to the University and recently took advantage of IRA roll-over regulations to make an additional gift. Last year, he stepped up and made a donation to help a fraternity on campus meet its fundraising goal for the Special Olympics.

"Frank continues to be one of our most loyal friends," said Steve Brown, vice president of university advancement. His contributions have earned him membership in the 1932 Society for donors whose cumulative gifts exceed \$100,000.



"Frank continues to be one of our most loyal friends."

Steve Brown, vice president of university advancement

'Science in Cyberspace' Latest Cisler Lecture Featured CIT Astronomy Professor Djorgovski



Special guests at the Cisler Lecture included members of the board of trustees and administrators from the nearby Alex and Marie Manoogian School—a charter academy founded in 1969. They are pictured here with Lawrence Tech President Virinder Moudgil and President Emeritus Richard Marburger, who serves as chairman of the board of trustees of the Manoogian School. “Dr. Moudgil was gracious enough to extend our hospitality to this fine institution to share the richness of our academic offerings,” said Marburger. “We have a lot of similarities—both institutions were founded by entrepreneurs and are focused on excellent private education. With Manoogian’s three- and four-year-old pre-school programs through high school, and Lawrence Tech’s bachelor’s, master’s, and doctoral degrees—between us we can serve everyone’s academic needs.”



Through a generous grant from the Holley Foundation, Lawrence Tech once again featured the groundbreaking research of an accomplished scientist in the annual Walker L. Cisler Lecture. This time, S. George Djorgovski, PhD, a professor of astronomy at the California Institute of Technology, took the stage in the Mary E. Marburger Science and Engineering Auditorium to discuss the growing capacity of computers to collect and store data and how this has transformed science.

“We live in an era in which scientific databases are primary research tools and the virtualization of these databases gives any person who has a computer and Internet connection

the opportunity to perform scientific research,” he said. “This development, however, has come with a challenge: how do you analyze extremely large scientific databases and turn that data into knowledge and scientific discoveries?”

At the forefront of this new data-intensive and computationally enabled paradigm, Djorgovski is one of the founders of the Virtual Observatory

concept and a leader in the emerging field of astroinformatics.

The annual Walker L. Cisler Lecture honors its namesake for his leadership at Detroit Edison from 1954 to 1971 and his dedication to improving the quality of life for people everywhere.

The series, which is focused on expanding scientific knowledge, is sponsored by the Holley Foundation, a private, grant-making organization that supports educational and family initiatives in southeastern Michigan. Hsiao-Ping Moore, dean of the College of Arts and Sciences, which hosts the series, is a PhD graduate of Caltech and was instrumental in securing the evening’s speaker.

“How do you analyze extremely large scientific databases and turn that data into knowledge and scientific discoveries?”

S. George Djorgovski, PhD

The annual Walker L. Cisler Lecture honors its namesake for his leadership at Detroit Edison from 1954 to 1971 and his dedication to improving the quality of life for people everywhere.

DIT Alums to Gather in July at LTU to Honor Legacy, Share Memories

The Detroit Institute of Technology, a venerable, private, four-year technical college that traced its roots to 1891 and heralded such faculty as Henry Ford, closed in 1981. Soon thereafter, the State of Michigan asked Lawrence Technological University to retain and manage the DIT student transcripts. At the same time, the University welcomed DIT alumni to the LTU Alumni Association.

“Now we want to offer DIT alumni an opportunity to get together to share their memories and reconnect with their friends,” said Emily Remington, philanthropy officer. “We’re planning a reunion on July 24 at 5:30 p.m. in the University Technology and Learning Center gallery on LTU’s campus.”

Organizers are hoping to locate DIT memorabilia—yearbooks, clothing, and sports uniforms—to display at the event. School colors were originally purple and white, but changed in the ’70s to red and black. DIT teams competed in football and basketball in the NAIA College Division. Most recently located in the former S. S. Kresge Company headquarters in downtown Detroit, DIT had three colleges—Arts and

Sciences, Engineering, and Business Administration.

“DIT was a very important part of Detroit history and a leader in technical education in the region,” said Virinder Moudgil, president. “Its alumni continue to contribute to industry, business, and technology, and we want to honor that here at Lawrence Tech. I am excited to reach out to DIT graduates and hope they will pass along this information to their former classmates and join us for the reception.

“Many DIT alums have shared their loyalty and generosity with Lawrence

“We want to offer DIT alumni an opportunity to get together to share their memories and reconnect with their friends.”

Emily Remington, philanthropy officer

Tech over the years. We are grateful that they have adopted Lawrence Tech as their foster alma mater, just as we have embraced them with the same rights of membership enjoyed by LTU

graduates,” added Moudgil.

For more information on the DIT reunion, contact Emily Remington, philanthropy officer, at 248.204.2211 or eremingo@ltu.edu.

**Detroit Institute
of Technology
All-Year Reunion**

Thursday, July 24, 2014

5:30 p.m.

UTLC Gallery



Spring Phonathon Tops \$35K

Eighteen Lawrence Tech students signed up to call alumni during the Spring Student Phonathon Jan. 27 through March 6 and raised more than \$35,000 for the deans’ funds at the various colleges. Combined with the results from the fall phonathon, more than \$82,000 was brought in, outpacing last year’s effort.

Jen’ai James, who headed up the effort for Ruffalo-CODY, an on-campus fundraising management company, hired and trained the students. “We had a great response,” she said. “Alumni were happy to talk with the students about what it’s like at Lawrence Tech today. Time and time again, the students heard alumni tell them how grateful they were for their Lawrence Tech education.”

Working in three-and-a-half-hour shifts, the students manned phones evenings Sunday through Thursday and earned \$8 an hour.

“Also, we were really pleased that so many of the alumni donors were willing to put their donation on a credit card, which gets the money into the dean’s funds immediately and saves on follow-up costs,” added James.

Tech Invitational Set For Aug. 11, 2014

Save the date. The 11th annual Tech Invitational golf tournament will return to Meadowbrook Country Club in Northville on Aug. 11, 2014.

The event, which raises funds for student programs at Lawrence Tech, will feature a live and silent auction, dinner, and golf-themed gifts.

Sponsors, participants, and donors should contact Robin Leclerc, director of university special events and services, at 248.204.2203 or rleclerc@ltu.edu.

Alums Gather to Hear Plans



President Virinder Moudgil explained the recent developments at Lawrence Tech to a group of alumni, donors, and other friends at Forest Grill in Birmingham, Mich., hosted by Victor Saroki, FAIA, BSAr'79, BA'r'80, HD'08.

Lawrence Tech Welcomes New Alumni Relations Director

Joining the staff on May 1, Lauren Morris, the new director of alumni relations and annual giving, comes to Lawrence Tech having held similar posts at Detroit's College for Creative Studies and the New Jersey Institute of Technology.

"I'm eager to get started," she said. Her plans include hosting more local events for alumni in southeast Michigan and using social media more robustly to connect with younger alumni.

She also plans to communicate specifically with grads who are celebrating milestone anniversaries and ask for their participation in the annual giving effort. "I'm calling it the 'True Blue Challenge.' I want to attract class chairs to help personalize the message, and we hope to boost the dollars given with a little healthy competition between the reunion classes," she said.

"I also want alumni to know that gifts don't have to be large to be meaningful. Even small donations matter."

Morris acknowledges that raising support for private institutions of higher learning is an ongoing challenge and critical to the schools' viability; but her experience makes her well suited to the task.

The Michigan State University grad originally had planned to pursue a law degree. While completing a bachelor's degree in pre-law, she participated in several student phonathons and realized that she really liked reaching out to alumni and encouraging them to support their alma mater. "It changed the direction of my career," she said. "I enrolled in the master's program in public relations and never looked back."

"I hope to attract class chairs to help personalize the message and boost dollars given."

Lauren Morris, director of alumni relations and annual giving



Proud Heritage, Bold Future is published by the Office of University Advancement, Lawrence Technological University, 21000 West Ten Mile Road, Southfield, MI 48075-1058

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NEWS AND NOTES



The Future Starts Here

Lawrence Tech students take their first steps toward successful careers as they participate in classes, labs, and studios surrounding the beautiful Quad at Lawrence Technological University. You can help keep that path open for generations of future students by making a gift to the University in a variety of ways:

- Annual Giving
- Major Gifts
- Scholarship Endowments
- Charitable Gift Annuities
- Bequests

Philanthropy is an important tool for managing taxes on current income. Charitable gift annuities can guarantee a continuous income stream in retirement. Bequests can be an important part of your estate plan. All three ensure that your legacy will live on at LTU.

To learn more, contact Dennis Howie at **248.204.2304** or visit **www.ltu.edu/giftplanning**



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T H E B A C K P A G E

Third residence hall to meet growing demand

Responding to the growing demand for more on-campus housing, the Board of Trustees of Lawrence Technological University has approved the construction of a third residence hall. The groundbreaking ceremony was held in April for the 47,545-square-foot, two-story building near University Housing-North, which will have a capacity of 160 students. The \$11.6 million project is scheduled for completion in time for fall classes in 2015.

The new residence hall will have five pods with 16 double-occupancy units. Each pod in the new building will have its own common lounge with fireplace and kitchenette space complete with range, refrigerator, and microwave appliances. Amenities include cafe/retail space on the first floor, central laundry on both floors, a multi-purpose room, a game room, and two conference-type spaces.

“The building is designed to encourage students to be out of their rooms with plenty of space for interaction and collaboration. A goal is to get new students involved in campus life by fostering collegiality,” LTU President Virinder Moudgil said.

Other speakers at the ground-breaking ceremony were Southfield Mayor Brenda Lawrence; Lloyd Reuss, chairman

of the LTU Board of Trustees; and LTU Student Government President Nicole Gerou.

LTU’s two residence halls are filled to their capacity of approximately 600. LTU is leasing residential suites for 80 additional students at Arbor Lofts located near campus on Civic Center Drive in Southfield.

University Housing Solutions and Adena Corporation, both of Mansfield, Ohio, are the developer-design-builder and construction manager for the project, respectively. JPRA Architects of Farmington Hills developed the plans and are the architects of record. □EP



Construction of the new residence hall was officially kicked off in April by (from left) Southfield Mayor Brenda Lawrence, LTU Board of Trustees Chairman Lloyd Reuss, LTU President Virinder Moudgil, and LTU Student Government President Nicole Gerou.

Lawrence Tech's third residence hall will open for the 2015 fall semester.

