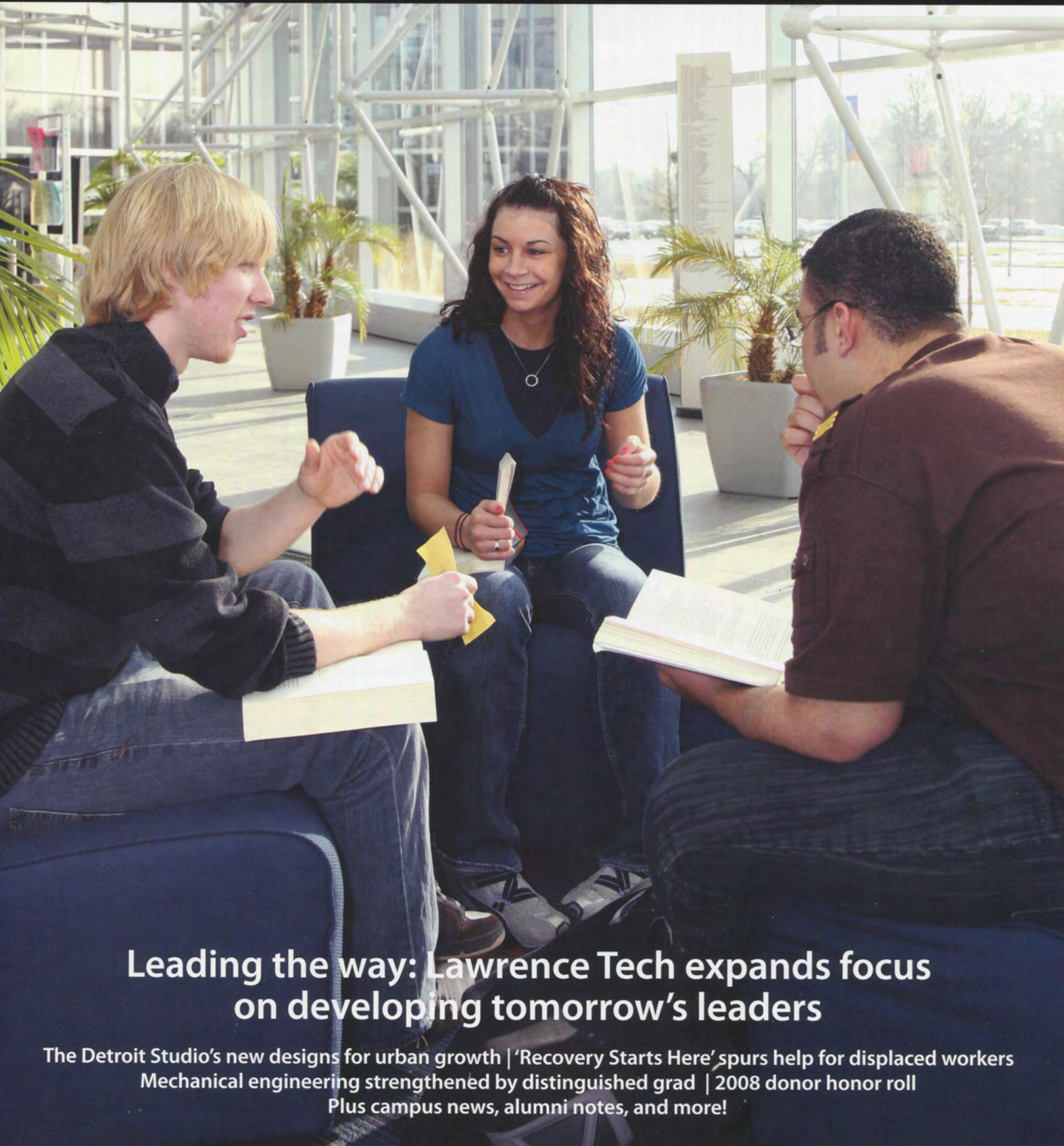


Lawrence Tech[®]

LAWRENCE TECHNOLOGICAL UNIVERSITY MAGAZINE | Spring/Summer 2009



Leading the way: Lawrence Tech expands focus on developing tomorrow's leaders

The Detroit Studio's new designs for urban growth | 'Recovery Starts Here' spurs help for displaced workers
Mechanical engineering strengthened by distinguished grad | 2008 donor honor roll
Plus campus news, alumni notes, and more!

Lawrence Tech

LAWRENCE TECHNOLOGICAL UNIVERSITY MAGAZINE

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On the cover: William Sharp, Alexander Height, and Samer Henawi discuss an in-class assignment for Leadership Models and Practices, the new sophomore course that has been integrated into all undergraduate majors as part of Lawrence Tech's four-year leadership curriculum. The course emphasizes teamwork, and students work in small teams on projects. In order for a team to be successful, individual members must contribute their ideas and then take responsibility for implementing the approach the team decides to take.

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Leading the way

A comprehensive approach to undergraduate leadership education will help all Lawrence Tech students maximize their potential.



Freshman Amanda Sweet (L) checks in volunteers for Maybury Elementary School during the Martin Luther King Day of Service on Jan. 19. Sweet was a site leader for volunteers from three other area universities and the United Way who painted and cleaned the Detroit elementary school.

By Melissa Grunow

Taojie Hua smiles when he sees familiar faces, which is often as he appears to recognize everyone he's ever met. A native of China, Hua hasn't allowed cultural differences, an unfamiliar country, and language barriers get in the way of his development as a leader.

In the fall semester, Hua was one of more than 50 students enrolled in Leadership Models and Practices, the new sophomore class that has been integrated into all undergraduate majors as part of Lawrence Tech's four-year leadership curriculum. He met Rosalind Andrews-Worthy, executive director of Gospel Against AIDS (GAA) in Detroit when she was a guest speaker in his leadership class.

"She showed some work she is doing in Africa," Hua said. "She asked me about the situation of AIDS in China. She told me that when she asked the Chinese government for information, the government didn't report anything to her."

Hua solved that problem by finding the government's official AIDS report on a website and translating it into English. His volunteer work as a translator for GAA has extended to presentation materials for AIDS education and training for local churches.



Melissa Grunow has been the leadership curriculum coordinator at Lawrence Tech since the position was established in 2007.

Building a leadership curriculum

Beginning with the incoming class of 2007, all undergraduates at Lawrence Tech are playing larger roles on campus and in the community as they engage in leadership development during all four years of college. With the exception of the three military academies, no other American college is believed to offer such a comprehensive approach to leadership education.

“Our mission is to develop leaders through innovative and agile programs embracing theory and practice. Our vision is to be a preeminent private university producing leaders with an entrepreneurial spirit and global view,” said President Lewis N. Walker.

“As a result, Lawrence Tech began providing leadership material for students, along with giving students the opportunity to hear a diverse group of leaders so they may learn about communication and character. Many great leaders have remarked that they have read the writings of others to learn not only what to do, but also what not to do,” Walker said in a recent interview with freshman Phil Lucas, who interviewed the president for an assignment in the leadership course.

The phased-in leadership curriculum started when service learning and the Social Change Model of Leadership were added to the University Seminar taken by all freshmen. In the current academic year, sophomores began taking Leadership Models and Practices, a one-credit course that introduces them to different leadership theories and models and incorporates team-based activities to practice the skills introduced in the course. Games help students build confidence and become comfortable with each other so that they can participate in more challenging role-playing

activities that include confrontation, being inclusive, and taking a team approach.

Pending final administrative approval, juniors will complete a minimum of five hours of leadership experiences outside of class and attend the Leadership Seminar Series, which includes campus presentations and workshops related to leadership and professional development.

Students will complete their leadership portfolios with the Leadership Capstone during the senior year. The culmination of their leadership education will include a critical reflection on the senior year leadership experience, whether

it be a team-based senior capstone project, a professional experience, or a co-curricular demonstration of leadership.

‘Lawrence Tech began providing leadership material for students, along with giving students the opportunity to hear a diverse group of leaders so they may learn about communication and character.’

Looking for role models in leadership education

Soon after his inauguration as Lawrence Tech president in 2006, Walker began to champion leadership education as an integral part of the Lawrence Tech experience. He appointed the Leadership Curriculum Task Force, comprised of administrators and faculty, to survey the best practices across the country. With the exception of the military academies, no other university had a comprehensive program.

“We looked at other universities that had leadership programs, and we found two very important things. First, we found that no other university was offering a required, campus-wide leadership program. The ones we did find all followed the same pattern: build a foundation and provide experiential learning. So, that’s what we did,” said Andrew Gerhart, associate professor of mechanical engineering and chair of the task force.

The faculty and other university representatives on the task force developed an outline for the leadership curriculum and reported back to the administration on what might work. The next step came after the group was transformed into the Leadership Curriculum Implementation Committee.



Freshman Philip Lucas didn't have to go far to interview a leader for an assignment in "Leadership Models and Practices." He stopped by the Buell Management Building to hear what Lawrence Tech President Lewis N. Walker had to say on the subject.



Lawrence Tech students are taught that understanding and practicing teamwork is an essential part of leadership. In the right photo, members of the new Society of University Leaders come up with a solution for untangling a group without breaking the chain, while Leadership Curriculum Coordinator Melissa Grunow watches in the background. In the left photo, students in a leadership class enable teammates to cross a finish line without touching the ground.

“We actually just started to fill out the outline. The details have evolved a lot, but the general concept hasn’t,” Gerhart said.

Leadership essential in today’s global economy

Today’s graduates face a fiercely competitive global economy with co-workers, research facilities, production sites, supply lines, and markets that transcend geographical and national boundaries. Students need the knowledge and leadership skills to help them navigate cultural differences, grow with advancing technologies, and compete on a global scale.

“I sincerely feel that our graduates will be differently prepared than our graduates in the past,” Gerhart said.

For example, the engineer of 2020 will need teamwork skills, the entrepreneurial mindset, creativity, and critical thinking – all qualities that pertain to leadership.

The key to a successful leadership program is to realize that there is no cookie-cutter approach to leadership. No matter what an individual’s background, leadership can be learned and developed at the college level.

“We provide different views and opportunities for everyone,” Walker said. “We want to build confidence and give instruction so that when there is a challenge, Lawrence Tech graduates will take on the problems and step up to find the solution.”

What started as a university initiative to provide leadership education for all undergraduates has evolved into a comprehensive leadership program that extends beyond the curricular fundamentals in the classroom and provides additional co-curricular opportunities for teamwork, community engagement, and global learning.

Hua’s work with GAA is just one example of students taking the initiative to reach out to the community and volunteer with causes that are important to them.

“First I realized AIDS cannot be cured,” he said. “Also, the population [of people living with AIDS] is increasing rapidly these days, including in China. So I think it’s a global issue, a

global problem that people have to face. I try to do what I can do to just help a little, to solve a little problem there. Personal power may be small, but that’s what you can do.”

Responding to community needs

Walker envisions Lawrence Tech students taking leadership roles in identifying and then responding to needs in the community.

“We have made community service an essential element in our leadership curriculum,” he explained. “Our students and faculty are helping to revitalize Michigan’s social fabric by working with a variety of community groups, and we believe these efforts enhance the educational experience at Lawrence Tech.”

The development of new programs and opportunities has been the University’s response to students’ growing needs and de-

Leadership curriculum at Lawrence Tech

Freshman Year

University Seminar introduces the Social Change Model of Leadership and service learning.

Sophomore Year

Leadership Models and Practices introduces students to different leadership theories and models and incorporates team-based activities to practice the skills introduced in the course.

Junior Year*

The Leadership Seminar Series will include speakers and workshops and five hours of leadership experiences outside of the classroom.

Senior Year*

The Senior Capstone will include critical reflection of senior year leadership experiences and presentation of the leadership portfolio.

* Pending final administrative approval

mands for leadership development. In fact, many of the opportunities have started with students identifying a need and pursuing an opportunity for other students.

Lawrence Tech's faculty and staff have played a key role in the development of the leadership program and opportunities for the students.

"The faculty response has been extremely important. The vision is supposed to come from the administration, but what's actually going on down here in the trenches with faculty, staff, and students comes down to what we believe will be effective," Gerhart said.

Initiatives supported by faculty include the Quest Program for students in the College of Arts and Sciences, and new opportunities to study and volunteer abroad. There's a new student organization, Society of University Leaders (SOUL), dedicated to community service and leadership development.

"SOUL is an organization where people can express their leadership qualities, better their skills, network with other people on campus and in the community, and really just give back. It's a good way to get people involved," said freshman Amanda Sweet, who has been instrumental in creating SOUL and getting students involved in the organization.

Elijah Hartman, one of SOUL's officers who is taking Leadership Models and Practices this semester, said students need to understand that leadership is more than just a title or a position, it's a way of being. "SOUL is the only organization on campus completely dedicated to giving students the chance to give back," he said.

Representatives from SOUL joined three other Detroit-area colleges and the United Way for Southeastern Michigan during the Martin Luther King Day of Service in January.

The students are also planning the first-ever Lawrence Tech Day of Service in April and have formed a team for Relay for Life to support the American Cancer Society in May.

What is leadership?

So what makes a good leader? Integrity and character are among the most important qualities, notes Gerhart. Being a good leader starts with being a good person. It also means understanding the dynamics of a team and being willing to take calculated risks and step forward when challenges are presented in both academic and professional environments.

As the coordinator for the program, I realize that Lawrence Tech's approach to integrating a unique, university-wide leadership curriculum has some risks involved. Whatever form this program finally takes, it will be effective when students are given the basics in an instructional setting and then provided with opportunities to practice, hone, and develop those skills. The curricular components provide a "toolbox," a set of skills that stu-

Lawrence Tech's outreach efforts earn Carnegie recognition

Lawrence Technological University has been recognized by the Carnegie Foundation for the Advancement of Teaching for its expanding community engagement and outreach efforts.

Lawrence Tech is one of nine universities in Michigan – and only 119 nationwide – to receive the Carnegie designation in 2008 for both curricular engagement and outreach and partnerships. It is the only technological university in Michigan to earn that distinction.

The community engagement classification is a recent addition to the Carnegie classification system for U.S. colleges and universities. Universities apply by submitting required documentation describing the nature and extent of their engagement with the community. This approach enables Carnegie to address elements of institutional mission that are not represented in the national data on colleges and universities.

"We have made community service an essential element in our leadership curriculum," said Lawrence Tech President Lewis N. Walker. "Our students and faculty are helping to revitalize Michigan's social fabric by working with a variety of community groups, and we believe these efforts enhance the educational experience at Lawrence Tech." ▲EP

dents can take with them and practice in various settings across the University and in their professional lives.

I believe that it is our responsibility as a university to prepare our students in all areas that will impact their professional careers, and leadership skills are absolutely vital for our already

technically skilled students. Lawrence Tech is setting itself apart as a leading university by placing such a thoughtful emphasis on leadership education.

By and large, Lawrence Tech students agree the leadership curriculum and co-curricular opportunities are necessary for their future success.

"Leaders are definitely needed. As long as people are going to follow, and follow, and follow, and don't make changes, the world is never going to get better. The way the world is now, there is definitely a need for new leaders," said Corey Williams, a member of SOUL.

Despite – or perhaps because of – the tough economic climate that the country is facing, many Lawrence Tech students see strong leadership as essential both in their own lives and for the country as a whole.

"There is so much to being a leader," said freshman Sydney Pea, who was part of a Lawrence Tech group that attended President Obama's inauguration in January. "Leaders are changing the world." ▲

'SOUL is the only organization on campus completely dedicated to giving students the chance to give back.'

Lawrence Tech leads initiative

to overcome Michigan's economic challenges

By coming out first with the most comprehensive approach for helping displaced workers, Lawrence Tech becomes a role model for other Michigan universities.



When Gov. Jennifer Granholm wanted a good setting to publicize what the state and local governments were doing for workers displaced by the country's financial crisis and the auto industry's plummeting sales, she brought Metro Detroit's governmental leaders to the Taubman Student Services Center at Lawrence Tech for a press conference in December.

The following month more than 1,200 of those displaced workers jammed into the same space to discuss opportunities with representatives of 55 companies that continue to look for talented workers with the right mix of education and experience.

It was no accident or coincidence that elected leaders, displaced workers and successful businesses turned to Lawrence Tech. They all came to the Southfield campus because this relatively small private university is playing a large leadership role in coping with the economic crisis and demonstrating how Michigan's colleges and universities could be part of the solution.

Lawrence Tech earned its place in the spotlight shortly after the Thanksgiving break when it became the first university in the state – and possibly the nation – to develop a comprehensive

On Jan. 22 more than 1,200 displaced workers with college degrees and representatives of 55 companies got together at the first of four networking receptions that are part of Lawrence Tech's "Recovery Starts Here" initiative. Above, Lawrence Tech alumnus David Darbyshire, BSME'87, co-owner of DASI Solutions in Pontiac, talks to job seekers in Alumni Hall of the Taubman Student Services Center.



Lawrence Tech President Lewis N. Walker was the first speaker at the press conference Gov. Jennifer Granholm called at Lawrence Tech on Dec. 12 to publicize efforts in Michigan to aid displaced workers. Walker explained the rationale behind Lawrence Tech's "Recovery Starts Here" initiative to a large audience that included representatives of four television stations, two radio stations and several newspapers.

plan to help displaced workers get the educational retooling and career services they could use to get back into the workforce. Other Michigan universities followed with plans of their own, but Lawrence Tech was first with the most comprehensive plan.

A dramatic and effective plan

Guided by President Lewis N. Walker's determination to do something that would be both dramatic and effective, an administration team spearheaded by Lisa Kujawa, assistant provost for enrollment services, Dean of Students Kevin Finn, and Marketing and Public Affairs Executive Director Bruce Annett hammered out the details of the plan that delivered the greatest possible impact within the constraints of the University's budget.

What made headlines was the offer of 400 grants for an unprecedented 50 percent of tuition – a \$3 million commitment that was simply extraordinary for a small university. But what was just as notewor-

What made headlines was the offer of 400 grants for an unprecedented 50 percent of tuition – a \$3 million commitment that was simply extraordinary for a small university.

thy was the wide-ranging scope of the initiative.

At a press conference on Dec. 3, Walker unveiled "The Recovery Starts Here: Lawrence Technological University's Stimulus Package for Displaced Workers." The package includes:

- 400 "Recovery Grants" that provide 50 percent of tuition for eligible displaced workers or their dependent children through the completion of an undergraduate or graduate degree program.
- Expanded academic programming in such fields as sustainability, alternative energy and life sciences that is geared to strengthen and diversify Michigan's economy and prepare students for the changing global market.
- Career networking receptions and workshops – not limited to Lawrence Tech alumni and students – that match displaced workers with college degrees with innovative companies that have employment opportunities.

"The Recovery Starts Here package is an investment in the future of our state and nation, and the right thing to do. We believe this is the first comprehensive package of recovery initiatives set forth by any university in the nation," Walker said. "The recovery starts here and it must start with us. We invite other institutions throughout Michigan to join us. Together, we will succeed."

Walker's plan was greeted with a virtual avalanche of positive publicity. Four television stations and Metro Detroit's two big news radio stations, WJR and WWJ, covered the press conference. There were literally dozens of newspaper articles, editorials

For the latest information on
Lawrence Tech's 'Recovery Starts Here'
initiative, visit
www.ltu.edu/recovery.

and blogs, and Lawrence Tech was invariably mentioned when other Michigan universities eventually followed suit with their responses to the economic crisis. The University won national attention in *USA Today* and the *Chronicle of Higher Education*.

Retooling displaced workers with education

The new Lawrence Tech Recovery grants will fund half the tuition for 400 displaced workers (or the dependent children of displaced workers) who meet the admissions criteria for the programs they wish to enter. Candidates have to submit a dated buyout letter, separation agreement or unemployment application to show they are displaced.

The number of grants was initially limited to the first 200 undergraduate and first 200 graduate students who qualify. Grant recipients are expected to proceed on a full-time schedule until they have completed their degree programs, taking a minimum of 12 credit hours per semester if undergraduates, and six credit hours if graduate students.

In February, Kujawa reported to the Board of Trustees that 160 students had taken advantage of the Recovery grant program for the spring term, and she anticipated that all the grants would be used by the end of 2009. The Recovery grants enabled 34 current students to stay in school and attracted 48 new students. The most dramatic impact of the program was the return of 78 former students who had not been enrolled for two or three years.

"All said that without the grant they wouldn't have been able to come back," Kujawa said.

Over the past few years, Lawrence Tech has aggressively recast its existing academic programs and inaugurated new content. Recent new programs include bachelor's degrees in biomedical engineering, industrial operations engineering, molecular and cell biology, chemical biology, transportation design, and media communication, and certificates in energy engineering and

aeronautical engineering. A new leadership training initiative is being integrated throughout the undergraduate curricula (see cover story).

New master's degree programs include mechatronic systems engineering, architectural engineering, construction engineering management, and the MBA International. Many of these programs and others are offered days, evenings, weekends, or online to provide the flexibility that today's students need.

The Office of Admissions had already put together a comprehensive campaign to introduce future students to opportunities in these emerging fields. In December alone, Admissions held a graduate program open house, an "on the spot admissions" day, and information fairs at Schoolcraft College and Lansing Community College.

Extending career services beyond Lawrence Tech

Lawrence Tech's Office of Career Services (OCS) was already very busy counseling both recent graduates and older alumni who were between jobs. Walker's plan opened up OCS to all displaced workers with college degrees – no longer limiting its services to Lawrence Tech students and alumni.

OCS scheduled the first of four career networking receptions in January, and then partnered with the Ayers Group of Southfield, a career transition management firm and a division of Kelly Services Inc. of Troy, to provide a series of three workshops for displaced workers who were returning to the job market – in many cases for the first time since graduating from college.

The day before the first networking reception in January, the



Gov. Jennifer Granholm is surrounded by the media at the conclusion of her press conference at Lawrence Tech. She publicized what the state government, local governments, and universities in Michigan are doing to help dislocated workers and drew attention to Lawrence Tech's Recovery grants.

Ayers Group held two sessions of a workshop, "Networking for Success," in the Science Building auditorium. The following week workshops were offered on "Resume Critiquing by Professionals" and "Proven Job Search Strategies."

Lawrence Tech was demonstrating how universities can contribute to Michigan's economic recovery by acting as a catalyst for job growth.

"We at Lawrence Tech are convinced that all the building blocks required for an economic recovery are already here in Michigan. We aim to do our part to bring enterprising companies and educated workers together," Walker said. "Combining the creativity of our entrepreneurs and the know-how of our workers will lead to Michigan's next big economic success story."

Generating positive news coverage

By mid-January, job-seekers in Michigan were more than ready for the helping hand that Lawrence Tech was offering, and local television stations were anxious to deliver any good news on the grim employment front. The networking reception was expected to draw around 400 people, but the reservations kept coming in through the University's website, especially after WWJ, WJR and Channel 7 promoted the event the day before. Fox 2 television broadcast from the campus the day of the event to encourage people to stop what they were doing and come to Lawrence Tech. In the end, attendance surpassed 1,200 job seekers.

Margaret Pierce, the career services director at Lawrence Tech, said many job applicants were pleasantly surprised to see how many companies in Michigan are still looking to add employees who have experience. "This was an opportunity for us to show those companies that the workers they seek are right here in Michigan," Pierce said.

The networking reception provided applicants with the opportunity to talk to business



Lisa Kujawa, assistant provost for enrollment services, answers questions for television reporter Kimberley Craig of Channel 7 at the conclusion of the Dec. 3 press conference called to announce the "Recovery Starts Here" initiative. In the background are Marketing and Public Affairs Executive Director Bruce Annett, Vice President of University Advancement Stephen Brown and Dean of Students Kevin Finn, who all played key roles in developing the plan.

recruiters on an informal basis. "Instead of the resume shuffle that takes place at job fairs, we gave job applicants the opportunity to talk to employers on a variety of topics," said Finn, who was Career Services director before being appointed dean of students in 2007.

Career fields generating job opportunities across Michigan include energy, life sciences, homeland security and defense, and advanced manufacturing. These jobs pay well because there is a need for employees with the educational background and practical experience to implement new business strategies.

"Although it is easy to presume that job opportunities are scant, many companies and industries today need talented and experienced people to contribute to and lead their organizations," Finn said.

A greater role for universities

Lawrence Tech's Recovery program demonstrates that universities have the resources to play an active role in improving the business climate. Higher education has long been recognized as an economic engine that has driven job growth in Michigan by providing innovative ideas, research and skilled workers to implement improvements in all aspects of business. Walker's plan demonstrated that universities can do even more.

"Institutions of higher learning can be the bridge to bring enterprising companies and educated workers together," Walker wrote in an op-ed piece in the *Detroit Free Press* in December. "Michigan's economic recovery will get a big boost if we can apply this state's considerable educational resources to the task."

▲EP

Many job applicants were pleasantly surprised to see how many companies in Michigan are still looking to add employees.



Glen LeRoy (L standing), dean of architecture and design, discusses how to apply urban design theory to the practical realities of neighborhoods on Detroit's east side during a weekend charrette exercise in February. Lawrence Tech student Matt Scheiderer is second from the right.

Urban design projects get Lawrence Tech students into the real world

The Detroit Studio expansion will create more opportunities for architecture students to put urban design theory into practice in a challenging environment.

A loft space at Gleaners Community Food Bank on Detroit's east side was the scene of an unusual academic exercise known as a charrette over one weekend this February. Students and faculty from Lawrence Tech, the University of Michigan, and the University of Detroit Mercy engaged community residents in far-reaching discussions about future plans for their neighborhoods.

Starting on Friday evening and concluding on Sunday afternoon, the charrette produced an ambitious agenda of potential projects for the client, the Villages Community Development Corp. (CDC), which seeks improvements for six neighborhoods along Jefferson Avenue on Detroit's east side. The list included alternative energy sources such as wind turbines along the Detroit River, a diagonal greenway connector linking the neighborhoods, improved transportation such as a light rail line along Jefferson Avenue, and new housing and commercial spaces created by the conversion of underutilized warehouses.

Student involvement in community design projects is a longtime tradition for Lawrence Tech's College of Architecture and Design. While other architectural programs focus on theory, Lawrence Tech has always encouraged students to begin practic-

Urban Design Projects

C O N T I N U E D

ing what they have learned in the classroom. Dean Glen LeRoy would like all architecture students at Lawrence Tech to get involved in community service projects.

LeRoy clearly relished the dynamic give and take with students and the free flow of ideas at the charrette in February. While the students taught him a thing or two about software programs, he quickly transferred some of their ideas to paper by drawing on his years of experience as an urban planner and architect on projects across the country.

"It's important for architecture students to get out of the classroom and into the community where new ideas and new projects can make such a big difference," LeRoy said. "You need to talk to residents in order to get an understanding of what will work and what won't."

Urban experience enhances education

The Villages CDC charrette was the type of urban experience that LeRoy wants for all of his architecture students. He and the College's faculty are considering a proposal that would add an urban experience, a cross-cultural experience and community service to the list of bachelor's degree requirements. An expansion of Lawrence Tech's Detroit Studio now under way will open up opportunities for an urban experience to many more architecture students.

"Students would miss an important opportunity by not studying in the urban environment that Detroit provides," LeRoy said.

Prior to being named dean in 2005, LeRoy was a principal in a multi-disciplinary design firm based in Kansas City with five other locations nationally. For more than 20 years he taught at the School of Architecture and Urban Design at the University

of Kansas, and for many years led the university's Kansas City Urban Design program.

With his professional and academic background, LeRoy can see great challenges for today's architecture students as well as great opportunities. The challenges come from the growth and use of information technologies, emerging methods for service and construction delivery, and the increasingly competitive climate for professional practice. This requires today's students to possess knowledge and skills that prior generations could not even imagine. But this increased knowledge base – when combined with Lawrence Tech's "theory and practice" approach to education – also prepares today's students to quickly move from a classroom setting to the community.

'It's important for architecture students to get out of the classroom and into the community where new ideas and new projects can make such a big difference.'

Learning outside the classroom

The Lawrence Tech students who participated in the charrette had to make the transition quickly. A project that could have occupied an entire semester was jammed into a single weekend of intense work. The students found that the tools they had gained in class – such as the ability to sketch quickly – were essential for the rapid flow of proposals and counter-proposals.

"It was like a sprint," said Lawrence Tech student Josh Maddox. "But it was pleasant to step back and see how we came in completely cold on Friday and had some viable ideas by Sunday."

The students experienced what it was like to have clients who had both bold aspirations for the future and specific requests for

Third-year architecture student Julie Kehoe presents her proposal for a community center complex with assistance from Ade Abdalla, who sponsored the planning project for the Balduck, Cannon, and Finney neighborhoods on Detroit's east side during the fall semester.





Assistant Professor Constance Bodurow (R standing) offers guidance to students from Lawrence Tech, the University of Michigan, and the University of Detroit Mercy while they work on urban design proposals for six neighborhoods on Detroit's east side.

making conditions better right away.

"In a charrette you see the community's perspective. They're telling you what is important to them," student Matt Hamrick said. "It was my first experience with people talking to us about real problems."

It's an experience all students should have, according to student Philip Lyzenga.

"I found out how much people care about their neighborhoods, and how badly they want them to survive and prosper," he said. "It looked like a gloomy area to me at first, but then I saw how much hope they had."

Expanding the Detroit Studio

Lawrence Tech's long-term commitment to an urban experience for its architecture students is illustrated by the dramatic expansion planned by the Detroit Studio, a community-based program located at 2990 West Grand Boulevard across from the Fisher Building. Since 1999, Lawrence Tech students have been tackling urban design projects in Detroit – and occasionally in the suburbs – from a vantage point in the heart of the city.

A pending lease agreement with the New Center Council calls for Lawrence Tech to move from two small studios on the first and mezzanine floors and take over the entire third floor of the building. The 10,000 square feet of space will be converted into five or six studios, "crit" spaces, a gallery, faculty offices and a classroom, according to Associate Dean Joseph Veryser who is overseeing the expansion in his role as campus architect.

'I found out how much people care about their neighborhoods, and how badly they want them to survive and prosper.'

"We feel it is imperative that students have an urban learning experience and come to appreciate an urban setting," Veryser said. "The New Center is a center for cultural activities, and its proximity to the museums and downtown adds to the opportunity for even greater appreciation."

Developing a 'Creative Corridor' in Detroit

Expanding the Detroit Studio will enable Lawrence Tech to take a more active role in the "Creative Corridor" project to make downtown Detroit a more attractive place for architects, artists, and design professionals to work and live. This semester LeRoy and Assistant Professor Constance Bodurow are co-teaching an urban studio to enhance the current plan developed under the auspices of Detroit Renaissance, a nonprofit organization dedicated to the region's economic growth, and the Arts League of Michigan, with funding from the Knight Foundation.

The main target area is along Woodward Avenue from the riverfront to the New Center, but the studio is working to expand the geography of the "Creative Corridor" by incorporating neighborhoods where "creatives" currently flock, such as Corktown, Eastern Market, and Woodbridge.

The expanded Detroit Studio will facilitate the development and growth of academic programs and applied research capabilities with a focus on green and sustainable communities. The long-term goal is to provide interdisciplinary applied research that will advance the education and practice of future urban design and planning professionals, architects, industrial engineers, transportation engineers and civil engineers focused on alternative energy, energy efficiency and advanced building technologies.

Urban Design Projects

C O N T I N U E D

Associate Professor Joongsuk Kim (second from left) listens to a discussion among graduate students at the Detroit Studio about using agriculture and green spaces to improve Detroit's urban environment. Kim has been director of the Detroit Studio since 2002.



LeRoy envisions Lawrence Tech as providing a platform for an ongoing dialogue with community groups, K-12 schools, government officials, and visiting professors and scholars.

"That's another reason to have a stronger physical presence in the city," he said.

Building a national and international reputation

The Detroit Studio's portfolio of more than 20 projects has attracted national and now international recognition. Associate Professor Joongsuk Kim, the Detroit Studio's director, is currently on sabbatical in Korea working on an urban revitalization/regeneration project with researchers from Japan, Korea, England, Australia, Ireland, Canada and Sweden. That project is funded by the South Korean central government and Yonsei University in Seoul.

'Many industrialized countries have strong interest in urban design and planning, and I was asked to participate because of the Detroit Studio experience in urban regeneration and revitalization in Michigan.'

"Many industrialized countries have strong interest in urban design and planning, and I was asked to participate because of the Detroit Studio experience in urban regeneration and revitalization in Michigan," Kim said.

In recent years Lawrence Tech's Detroit Studio has emphasized sustainable urban design/urban agriculture, which is an emerging field in urban design and particularly relevant to Detroit

where there are thousands of vacant lots. Two recent projects that followed these principles, the East Warren Community Study and East Forest Hope District Study, attracted funding from the Boston Society of Architects (BSA) and the American Architectural Foundation in Washington, D.C. Selected outcomes of

these projects were exhibited at the American Institute of Architects national convention and the international symposiums and exhibitions held last year in Toronto and Seoul.

In a competition against the University of Michigan and the University of Detroit Mercy last year, Detroit Studio students took first place in the city of Detroit's Eco-Village Design Competition.

According to Kim, Lawrence Tech has integrated an interdisciplinary and collaborative approach into its urban design curriculum. "Students are the direct beneficiary of the Detroit Studio's socially conscious projects in architecture and urban design because they have the opportunity through service learning to link theory with practice, academia with the profession, and student projects with applied research," he said.

Designing a community center complex

During the fall 2008 term, Kim and his students worked on proposals for a community center complex for the Balduck-Cannon-Finney neighborhood on Detroit's east side. Sixteen juniors in Integrated Design Studio 3 focused on designing a community center complex, and they were joined by two graduate students in Urban Studio 1 on master planning for Balduck Park.

The students included sustainable design features such as roof gardens, urban farming, a greenhouse, solar energy systems, a wind energy system, natural lighting, and other energy conscious features. Students selected specific sustainable features depending on their design philosophy.

Students participated in site analysis, a community workshop, and a field trip with the project sponsor team. After soliciting feedback along the way, they presented their proposals at a reception for the project sponsors and supporters, residents, public officials, and other stakeholders.

"This is a great example of how Lawrence Tech and its Detroit Studio provides planning tools to the grassroots organizations that are the real building blocks of the community revitalization efforts in Detroit," Kim said. ▲EP

Corktown is Detroit's longest inhabited neighborhood, but many parcels were converted to surface parking lots for the now shuttered Tiger Stadium. This illustrated map developed at Lawrence Tech provides a visual inventory of parking – a tool that can be used to show where a surplus exists and to identify parcels suitable for possible development. Each vehicle and color in the illustration represents 40 parking spaces and different ownership (public, private, institutional).



Groundbreaking research at Lawrence Tech puts the emphasis on people

The rise and fall of Detroit and its population have been studied by urban designers all around the world, but Lawrence Tech Assistant Professor of Architecture Constance Bodurow is concerned that they often don't see the proverbial forest for the trees – or in this case the people instead of all the vacant buildings and empty lots.

"There is a morbid fascination with Detroit, especially for international urbanists," said Bodurow, who is both an architect and an urban planner. "They see it as a blank slate."

She hopes the Value Densification Community Mapping Project she is leading will put people at the center of the design process.

Working with grants from the Local Initiative Support Corp. and the American Institute of Architects, Bodurow has brought together Google Earth, Google Sketchup, and ESRI's geographic information systems (GIS) software to provide a new way to analyze data about the city. Her project covers 19.5 square miles of southwest Detroit that includes Mexicantown. Her client is the Southwest Detroit Development Collaborative, a group of 25 community development and social services agencies.

Drawing on 2000 census data and more detailed 2005-06 data compiled for the city of Detroit, Bodurow has created models of social density – population and employment – that she overlays with an inventory of physical density: infrastructure including greenways, buildings, and historical and cultural resources.

Her project showcases data that can help the community coordinate social, economic and environmental goals – three major components for sustainable design and planning.

Bodurow believes urban designers should focus attention on areas like southwest Detroit where the population is growing. "We need to first value places where the people are concentrated," she said. "When you model social density and then overlay it with the inventory of physical assets, you can start making better decisions about proposed projects and investments."

At Lawrence Tech, GIS is taught by the Department of Civil Engineering, and Bodurow's research partner is Calvin Creech, an adjunct professor there. The interdisciplinary collaboration has provided a valuable new perspective on the data.

"Working with Calvin has enriched and expanded my research project," Bodurow said.

The grant funding also pays for a part-time research assistant, Jordan Martin, a fourth-year architecture student. ▲EP

Linton left Michigan behind

but not his love for Lawrence Tech

An alumnus who moved back home to pursue a career made possible by his education at Lawrence Tech is making a lasting impact with a \$2.5 million donation.



Lawrence Tech alumnus A. Leon Linton inspects a new drive sprocket that is part of an assembly capable of moving more than two and one half million pounds of live load on a single conveyor.



A. Leon Linton

A. Leon Linton, BSME'62, received his education in Michigan, but returned to his native south to build a career and then a successful company. While he prefers the weather and cultural climate of Memphis, Tenn., he has never lost the warm spot in his heart for Lawrence Tech, where he received training as a mechanical engineer.

Linton has donated \$2.5 million to his alma mater, and the department that awarded him his bachelor's degree has been renamed the A. Leon Linton Department of Mechanical Engineering.

"Mr. Linton's generous gift reaffirms that the University has a tremendous impact on industry and the careers of our alumni," said Lawrence Tech President Lewis N. Walker. "A gift of this size will help Lawrence Tech maintain superior standards in its mechanical engineering programs and continue to provide tremendous opportunities to future generations of students.

"We are delighted that our Department of Mechanical Engineering, one of the University's largest departments, will now be further distinguished by carrying the name of one of its most successful graduates."

Linton is the founder and CEO of Memphis-based Southern Systems Inc. (SSI), which designs, builds and installs custom conveyor systems for manufacturing and distribution facilities. His company outpaces all competitors for conveyor systems handling heavy products like construction equipment and tanks. SSI has installed conveyor systems coast to coast, as well as in Mexico and several other countries.

Transplanted southerner finds opportunity in Michigan

Linton was born in a rural Mississippi town on the Tennessee River about 90 miles from Memphis. When he was 12, his family moved to Michigan after his father – a World War II veteran back from Okinawa – took a construction job in Milford. After his father was transferred to another construction project, Linton finished high school in Ypsilanti.

While still in high school, Linton began a millwright craftsman trade apprenticeship and worked the night shift at a Lincoln-Mercury assembly plant. He expected to be called by the Army to serve in the Korean conflict following high school graduation, and in the interim worked in the millwright trade on the construction and installation of conveyor systems, machinery, and automation equipment. When the Army call-up hadn't come after two years, Linton took the advice of his mentors and enrolled in the mechanical engineering program at Lawrence Tech in 1955, the year the Southfield campus opened.

Since his grandfather was a master carpenter, Linton knew from an early age that he wanted to build things. That ambition made mechanical engineering an obvious choice for him.

'The professors forced us to pay attention to detail and to understand what we were doing, and that training has followed me all my working life.'

Continuing to work full-time, he took Lawrence Tech classes at night and on some Saturdays. By the time he completed his bachelor's degree at the age of 28, he was a project engineer for Jervis B. Webb, working on conveyor system installations in automotive plants.

"My evening courses at Lawrence Tech started paying real dividends very quickly," Linton recalled. "My ability to make physics calculations and solve basic problems expanded significantly to more complex issues. Other courses were teaching me about exciting materials and new methods that could be used in various equipment design applications."

He was even more appreciative of the overall approach to engineering instilled by Lawrence Tech professors.

"The professors forced us to pay attention to detail and to understand what we were doing, and that training has followed me all my working life," Linton said. "The education I received at Lawrence Tech has been the backbone of all the activities I have done since."

After college graduation, Linton persuaded his employer to let him return to Tennessee and open a one-man office in Memphis. In addition to handling regional sales and working on automotive assembly projects, he demonstrated his engineering talents in the design and implementation of automated truck terminals, ammunition plants, manufacturing facilities and even germ warfare production. In recognition of his accomplishments, Linton received the Lawrence Tech Alumni Achievement Award in 1968.

Going out on his own

Also in 1968, he decided to go out on his own and founded Southern Systems, Inc. (SSI), to design, manufacture and install conveyor systems, automation equipment and electrical controls on a turnkey basis. SSI performed major projects from New York to California and quickly developed a niche market for the heavy-duty conveyor systems utilized in the manufacture and production of heavy trucks, construction equipment, military tanks, oil field pipe, aircraft, furniture, appliances and package handling.

Forty years later, at age 74, Linton has no plans for retirement and remains eager to tackle the future challenges facing his company. Since many manufacturing operations have moved overseas, SSI is pursuing opportunities in distribution centers and other service-oriented operations.

"As a company, we have to keep evolving to stay in line with what the country is doing," he said.

The Bulk Handling Division of SSI operates as a general contractor in many states, from California to Florida, and is one of a very few companies in the United States capable of slip-form, continuous-pour concrete construction of massive silos and

related equipment associated with ethanol production, cement manufacturing, pet food processing and coal handling and storage.

'Theory and practice' will never go out of style

Linton said he is confident Lawrence Tech will continue to thrive by maintaining its "theory and practice" approach to education, which he finds just as valuable in today's manufacturing environment as it was when he graduated.

"Over the years, Lawrence Tech has demonstrated an uncommon ability to search out and find the best people to teach in departments, operate the administrative staff and lead and accomplish the vision for the University in a very cost efficient manner," he said.

He is pleased that Lawrence Tech is returning to a previous area of strength and also looking to the future by offering a minor in aeronautical engineering. "Lawrence Tech has always been mindful of and catered to serving the needs of industry by providing a top flight education for graduates in the meaningful disciplines needed for industry to stay competitive and move forward," he said.

Students who have been trained in both the theory and practice of engineering will "hit the ground running" and compete well against graduates from other good engineering programs across the country, according to Linton.

"My ideal is a person who can put his thoughts on paper in such a manner that the shop can build it, the field [team] can install it, and the company can make money with it," he said.

One slight disappointment has been his inability to recruit a Lawrence Tech graduate to his company in Memphis, but he understands that people from the north aren't nearly as comfortable with the hot and humid summer weather in Memphis as he is.

Given Michigan's current economic forecast, Linton may soon find Lawrence Tech alumni willing to follow his example by moving to another clime where more opportunities abound. ▲EP



A. Leon Linton (L) accepts a signed photo of the Department of Mechanical Engineering faculty from Chair Greg Feiertel at the March 12 dedication ceremony for naming the department in his honor. Linton and several family members and friends from Tennessee also attended Winterlude that evening.

Lawrence Tech awarded \$1.1 million grant to transform engineering education

In January the Kern Family Foundation of Waukesha, Wisc., awarded a five-year, \$1,154,500 grant to further integrate entrepreneurial education into the curricula of the College of Engineering. The curriculum changes will assure that all undergraduate engineering programs at Lawrence Tech will be enhanced with comprehensive entrepreneurship content.

"The goal is to produce well-rounded engineers who possess solid technical knowledge as well as an understanding of entrepreneurial opportunities and how to pursue them," said Timothy Kriewall, program director of engineering entrepreneurship at the Kern Family Foundation. "Lawrence Tech has come up with an exciting plan for offering both sides to all undergraduate engineering students."

Lawrence Tech will use the Kern grant to achieve three ambitious goals: transform the educational experience of undergraduate engineering students in order to develop the entrepreneurial mindset; change the culture of the faculty and the university leadership involved in engineering education; and provide an infrastructure to encourage and support entrepreneurial activities for undergraduate engineering students.

Kern monies will allow the College of Engineering to:

- Modify 30 courses taken by engineering students to introduce pedagogical methods and/or content to develop both the knowledge and the practice of attributes that define the entrepreneurial mindset.

- Introduce multidisciplinary student projects that contain entrepreneurial components.
- Establish an entrepreneur-in-residence program.
- Create an entrepreneurial co-op and internship program.
- Establish a regional innovation competition, Entrepreneurs Quest.
- Hold entrepreneurial mindset workshops for faculty and university leadership.

Lawrence Tech Provost Maria Vaz, the principal investigator for the Kern grant, explained that the entrepreneurial mindset starts with critical thinking, creativity and innovation. Entrepreneurs also must understand basic business practices, have experience working in and leading interdisciplinary and multidisciplinary teams, be able to listen and communicate effectively,

and have the ability to incorporate input and feedback from diverse perspectives and cultures. Entrepreneurs must understand how to develop and bring products to market.

"These attributes are not learned in books, but rather through practice in different settings," Vaz said. "We will achieve our vision of graduating engineering students with an entrepreneurial mindset by changing the methodologies and pedagogy in the classroom and through co-curricular experiences."

Over the past five years, other grants from the Kern Family Foundation have helped Lawrence Tech improve the engineering educational experience in a number of ways, and students and faculty have participated in activities sponsored by the Kern Entrepreneurship Education Network (KEEN). KEEN's mission is to graduate engineers equipped with an entrepreneurial mindset who will contribute to business success and in so doing transform the U.S. workforce. ▲EP

Professor shares expertise in stormwater management

Associate Professor of Civil Engineering Donald Carpenter has been named a Water Fellow at the Michigan State University Center for Water Sciences. As one of 30 fellows in 2009, he will participate in meetings that examine the impact of stormwater on water resources in Michigan and explore potential solutions.

Carpenter was invited to participate as a Water Fellow in recognition of his expertise in low impact development and his experience in using innovative methods to treat stormwater. Last year he served on a committee that assisted in developing and implementing the State of Michigan Low Impact Development Manual.

Carpenter is also gaining national recognition for his efforts and



Donald Carpenter

has recently been an invited speaker at the Michigan Nursery and Landscape Association's Great Lakes Trade

Exposition in Grand Rapids, the annual winter conference of the Florida Stormwater Association in Tampa, the Low Impact Development Conference in Seattle, and the American Nursery and Landscape Association's management clinic in Louisville, Ky.

▲EP



Women's volleyball team finishes second season

Players on this year's Lawrence Tech Volleyball Team are (L-R) in the back row Abby Schroeder, Kaitlin Eisen, Angela Bates, Valerie Tetro, Laura Saler, Tiffany Platt and Britinie Lomason. In the front are Kelly Sucaet, Gena Briolat, co-captains Katrin Bosch and Shannon Braun, Katelyn Fortin and Anna Vantsevich. The team practiced twice a week in preparation for tournaments at Central Michigan University and the University of Michigan that concluded the second season of women's volleyball at Lawrence Tech.

Slovenian student pursues dream career at Lawrence Tech

When three transportation design students worked over Christmas break to design Lawrence Tech's display at the North American International Auto Show, their collaboration was truly international.

While sophomores Taylor Manuilow and Chris Nichols remained on campus, freshman Gregor Duler was hard at work while at home in Slovenj Gradec, Slovenia. Duler posted his high-resolution work on a special website, where it could be retrieved and put onto the final boards by Nichols and Manuilow. He used online video messaging to give and receive feedback.

Duler, 24, is the transportation design program's first interna-

tional student. Though he always had a passion and aptitude for transportation design, he didn't know that designing vehicles was a viable career option. Instead he opted to study wood science at the University of Ljubljana in Slovenia's capital city. When he heard about Lawrence Tech's program and scholarship opportunities from program director Keith Nagara, his dream finally came true.

"I especially like how the professors put in effort to help students and how they encourage questions and curiosity," he said.

He's excited to be a part of an industry that still provides many opportunities, and his career change isn't all that unusual —

the average age of transportation design freshmen across the world is 28. "Times like these require someone to step up and make a difference, and I want to be that person," he said.

Duler took it upon himself to create a Lawrence Tech transportation design poster to display at his high school in Slovenia to attract new students. ▲EP



Gregor Duler worked from his home in Slovenia to help put together Lawrence Tech's transportation design display at the North American International Auto Show.

MBA International program expands options

Living and working in a global economy has become a fact of life, and Lawrence Tech's College of Management curriculum is evolving to prepare graduates to be global thinkers and global leaders. To help achieve this goal, the faculty and administration are restructuring academic programs to ensure that they include a strong global perspective.

This redesign process began last fall with the development and launch of the new MBA International program, a degree containing significant global content that traces its roots to the College of Management's master's degree program in global leadership and management, developed in 2007 in cooperation with the Defense Acquisition University and the U.S. Army TACOM Life Cycle Management Command in Warren. This program provides senior civilian leaders in the military with educational opportunities comparable to those available to

uniformed officers.

This summer the MBA International program will be offered in the evening, and new electives in global management, global technology and innovation, and international travel will be rolled out.

MBA alumni who want to enhance their opportunities to advance in a global economy can complete the second master's degree in global leadership and management by taking 18 credit hours of additional coursework.

"Given today's economic challenges, organizations must change to remain competitive in the global marketplace, and we are dedicated to preparing our graduates for that challenge," said Dean Louis DeGennaro. "The College of Management has had a long history of creating new opportunities during difficult times, dating back to the Great Depression when Lawrence Tech was founded."

▲EP

Hydrogen fuel cell racer featured at auto show



Lawrence Tech's Element One team and its racing kart powered by a hydrogen fuel cell helped attract attention to the DENSO exhibit at the North American International Auto Show in Detroit in January. Team member Ian Williams discusses the racing kart with a young admirer.

Lawrence Tech students bring sustainable education to elementary school

Lawrence Tech and Eastover Elementary School in Bloomfield Hills are partnering on sustainable education this academic year. This has provided a great opportunity for Lawrence Tech students who are passionate about sustainable education and want to have a unique service learning opportunity, according to Assistant Provost Lisa Kujawa.

Lawrence Tech faculty and students are working with the elementary students and teachers to create a "Green Box City" to be displayed at the Green Street Fair in Plymouth May 1-3. Lawrence Tech did a similar project with an elementary school in Plymouth last spring.

"The Green Box City initiative is a great way to teach students, parents and the broader community about the development of neighborhoods and cities, as well as how we use energy," Kujawa said. "This creates a more informed citizen who can make better decisions about the future."

The concept behind Green Box City is more than three decades old. Using recycled materials such as boxes, paper and paints, students construct scale model buildings and a scale model city. The program incorporates sustainable design concepts, such as alternative energy supply, an understanding of site design and the development of concentrated, workable communities. ▲EP



Lawrence Tech faculty and students in the College of Architecture and Design are helping Eastover Elementary School students in Bloomfield Hills build a "Green Box City" to illustrate basic principles of environmental sustainability. At a kick-off reception held at Lawrence Tech, Assistant Provost Lisa Kujawa (L) and Dean Glen LeRoy presented a Lawrence Tech flag to teacher Mary Cobb and Principal Jami Wood of Eastover Elementary.

Engineering professor continues career as author

At the stage in his career when most professors are winding down and looking forward to retirement, Professor of Mechanical Engineering Harold Josephs has established himself as the co-author of two ME textbooks.

"Practical Stress Analysis in Engineering Design, Third Edition," the second textbook written by Josephs and co-author Ronald Huston of the University of Cincinnati, was published in January.

In their first collaborative effort that took 15 years to complete, Josephs and Huston produced "Dynamics of Mechanical Systems" in 2002.

Josephs is now hard at work on a third textbook on engineering issues involving fastening and joining, and a fourth book is already in the formative stages.

"Practical Stress Analysis in Engineering Design" is based on "the approach of understanding the physical characteristics of a given problem and then modeling the important aspects of the physical system."

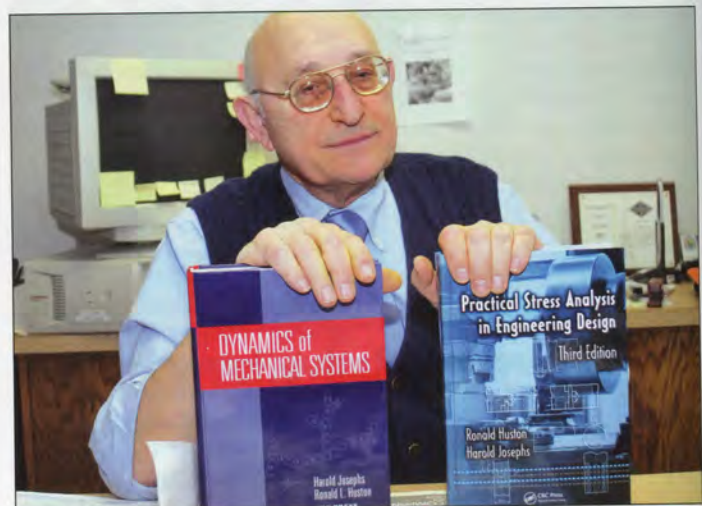
Published by CRC Press, the 672-page book has a list price of \$139.95 and is suitable for undergraduate and graduate students in mechanical, civil, and aerospace engineering. Josephs said his expertise in this area comes from consulting in the area of design and from courses that he previously taught at Lawrence Tech.

The book Josephs is now working on is based on a course he currently teaches, so he is doing the "heavy lifting" in his latest collaboration with Huston, who has authored or co-authored more than a dozen books.

"We have been contacted by a professor at a university in India who uses our first book. That makes us 'international authors,'" he smiled.

Josephs has been teaching at Lawrence Tech for 30 years. In the summertime when he isn't teach-

ing he can often be found riding his bike throughout the area. In the summer of 2008, Josephs raised money for a charity by riding his bike 750 miles from his home in Oak Park to Lakewood, N.J., where three of his children live. ▲EP



Professor Harold Josephs proudly displays the two books he has co-authored, "Dynamics of Mechanical Systems," and the recently published "Practical Stress Analysis in Engineering Design, Third Edition."

Engineering professors win first seed grants

Yawen Li, assistant professor of biomedical engineering, and Christopher Eamon, associate professor of civil engineering, were the first grant recipients under Lawrence Tech's new Faculty Research Seed Grant program.

The purpose of the grants is to encourage, develop and support faculty research and creative endeavors with the goal of subsequent development of proposals for external funding. Applications from pre-tenure faculty are given preference.

Li's proposal involves integrating microfabrication technology into biomedical engineering (BME) curriculum development. Microfabrication is an enabling



Yawen Li



Christopher Eamon

technology of 21st century medicine, with a wide range of applications varying from point-of-care diagnostic devices and tissue engineered products to basic tools for research in cell and molecular biology.

Li is establishing a biomedical microelectromechanical systems

(BioMEMS) lab that will be used in several biomedical engineering courses, while also providing research opportunities for students interested in micro/nano technology.

Eamon is developing and evaluating a new method for estimating the failure probability of structures. This is necessary so that design codes can be calibrated to provide an adequate and consistent level of safety and reliability for different types of structural components and systems. Eamon has developed the concept of a new reliability method, called "failure sampling," that addresses the problem of producing accurate results with a reasonable

computational cost.

In February, seven grants in the second round of the program to the following faculty (listed with their department):

- Assistant Professor Ahad Ali (Mechanical Engineering) will develop a predictive machine failure methodology using web-enabled e-manufacturing and condition-based monitoring.
- Associate Professor Rakan Chabaan (Electrical and Computer Engineering) will design and build a steer-by-wire (SBW) hardware-in-loop (HIL) bench to be used to research, develop, and refine the analytical redundancy based fault detection algorithms to minimize the total number of redundant components.
- Professor Gonzalo Munevar (Humanities, Social Sciences and Communication) will gather preliminary data for a study that will use brain imaging to determine what areas of the brain are characteristically activated during conscious processes.
- Assistant Professor Philip Plowright (Architecture) will examine dynamic micro-climatic wall systems that allow air and moisture to migrate through the wall assembly unlike traditional walls.
- Instructor Shannon Timmons (Natural Sciences) will explore the use of enzymes to accomplish the task of altering the medicinal activity of natural product-derived drugs by attaching different carbohydrate groups.
- Assistant Professor Changgong Zhou (Natural Sciences) will use CCD cameras to study the motion of nano particles under laser illumination.
- Assistant Professor Julie Zwiesler-Vollick (Natural Sciences) will explore the role that a DNA damage repair system plays in the regulation of virulence of a bacterial pathogen. ▲EP

Lawrence Tech nourishes the dramatic arts



Photo by Cliff Johnson

Students from three colleges and a dozen majors combined their talents when Lawrence Tech's Society of Dramatic Arts (SODA) kicked off its 2008-09 theatrical season with three performances of "Flaming Idiots." The ensemble included (L-R) in the back row, Kristy Willette, Sean LaFollette, Rachel Yarbrough, Edward Freund, Andy Bow, Jennifer Guthrie, and Ashley Croft. In the front are faculty advisor Cynthia Spires, John Camardese, Andrew Fox, Kris Naylor, Eric Lennemann, Neil Ganshorn, Giuseppe Lacaria, Timothy Bond, Joe Long, and Ron Jenkins.

Students celebrate Indian Festival of Lights

The Division of Student Affairs and the Lawrence Tech Indian student community came together in October to celebrate the tradition of Diwali, the Festival of Lights, at Café Lawrence. Diwali is a Hindu holiday that is also an important festival in other eastern religions, including Sikhism and Buddhism.

Café Lawrence was decorated with star-shaped lanterns hanging from the ceiling and oil lamps, or diya, on the tables. The tables had been arranged to represent the Indian national flag, and several were masterfully decorated with rangoli, an art form that uses dyed

sand carefully arranged to create designs. A wall of art and photos showcased the culture of India.

The evening began with the Puja, a traditional ceremony performed at the start of Diwali. There

was a presentation on various aspects of Indian culture and then a feast showcasing 17 different Indian dishes, catered by Namaste Flavors of Farmington.

The evening truly ended with a

bang, as Dean of Students Kevin Finn surprised the Indian students by having fireworks. Fireworks are just as important to Diwali celebrations as they are to American celebrations on the Fourth of July, so they were much appreciated by the Indian students who are so far from home. ▲EP

Organizers for the first Diwali celebration at Lawrence Tech included (L-R) Amol Patil, Samruddhi Fegade, Samata Devabhaktuni, Bhargav Joshi, Ashish Agarwal, Tejaswi Manepalli, Rushiraj Brahmhat, Krithi Bhat, Salai Saran, Dorrie Frontera of the Dean of Students staff, Tanmay Pandit, Amol Jambhekar, Amar Chaudhar and Sachin Magar.



First Miss Lawrence Tech crowned



Lawrence Tech became the first university in Michigan to sponsor a local Miss America preliminary competition when the Miss Lawrence Tech 2009 Scholarship Pageant was held Feb. 7. After the contestants competed in five categories – personal interview, swimsuit, talent, evening wear and onstage question – MC Charles Pugh of Fox 2 News announced that sophomore Andrea Freile had won the \$1,000 scholarship and the right to represent Lawrence Tech at the 2009 Miss Michigan Pageant. Following the crowning ceremony for Freile, she was joined onstage by runners-up (L-R) Tamara Bazoun, Allison Andre, Jenelle Sekol, and Jennifer Guthrie.

Lawrence Tech students witness history at Obama's inauguration

Six Lawrence Tech students experienced the exhilaration as well as the many inconveniences of being part of one of the largest crowds in American history when they travelled to Washington, D.C., for Barack Obama's presidential inauguration on Jan. 20.

Tyson Delandsheer, Jennifer Guthrie, Fritz Belfort, Adam Dumas, Andrea Freile, and Sydney Pea had represented the Democrats in a Lawrence Tech stu-

dent presidential debate on Oct. 28. They won the debate and then won a free trip to the inauguration when their candidate won the election.

The Lawrence Tech group arrived at a hotel on the campus of

Gallaudet College on the Saturday before the Tuesday inauguration ceremony and soon learned the difficulties of moving around the overcrowded city on shuttle buses and the Metro.

A concert at the Lincoln Memorial was the big event on Sunday, and on Monday the group attended an open house hosted by Michigan Gov. Jennifer Granholm and Lt. Gov. John

Cherry at the Madison Building of the Smithsonian Institution. The students met the governor and U.S. Sens. Carl Levin and Debbie Stabenow. They were media magnets because they were the youngest people in the room and represented the new generation of voters to which President Obama reached out.

The Lawrence Tech group had two options for watching the inauguration the next day – brave the cold and the huge crowds to be on the National Mall, or watch it on TV from the comfort of Congressman John Conyers' office in the Rayburn Building.

The students who decided to go with the authentic experience got up at 2:30 a.m. to be at the National Mall at 4 a.m. They spent more than three hours in what turned out to be the wrong line and by then the National Mall was full.

"We had no option but to go with our 'plan B,'" student Andrea Freile wrote in her blog about the inauguration trip. "Since most roads were closed, it took us two hours to find John Conyers' office. When we got there we had to go through security (another half hour). By the time we were inside and found a room with enough seats for us to sit next to each other, our legs hurt, we were frozen, and tired."

The inauguration experience concluded with the Michigan Dinner Dance Ball held at the National Museum of American History. Lawrence Tech students danced with Gov. Granholm, and a few stayed until midnight, even though they had to be up at 4:30 the next morning to catch a plane back to Detroit.

Despite the inconveniences, Freile said the overall experience was very worthwhile. "I was there to witness history happen and share the moment with many others," she wrote. ▲EP



Lawrence Tech students met with Michigan's governor and two United States senators when they attended the Michigan reception the day before the inauguration of President Barack Obama. Standing with U.S. Sen. Debbie Stabenow are (L-R) Tyson Delandsheer, Jennifer Guthrie, Fritz Belfort and Leslie Wilson of Student Affairs. In front are Adam Dumas, Andrea Freile and Sydney Pea.

Saudi Student Union says 'thank you'

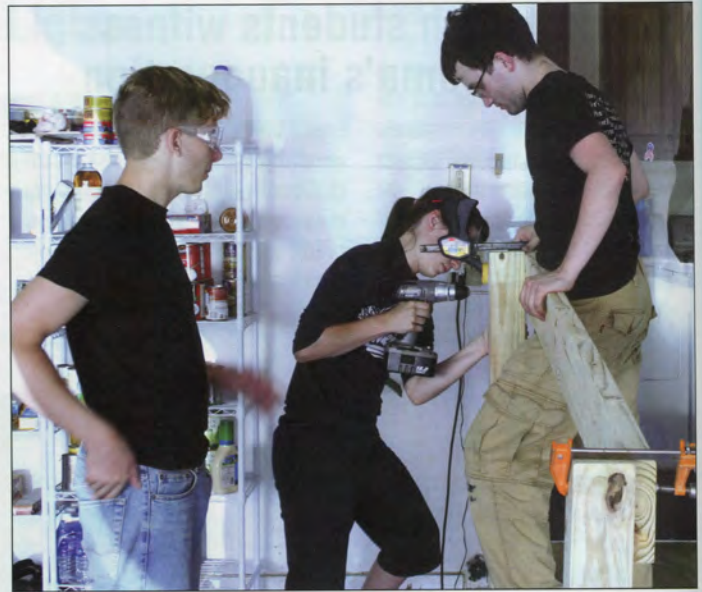


Lawrence Tech Provost Maria Vaz elicits applause from members of the Saudi Student Union during a reception the students held in November for officials of the Saudi Arabian Cultural Mission. The students took the opportunity to thank both Saudi Arabian officials and Lawrence Tech faculty and staff who have helped them make the transition to an American university. The Saudi students put up displays about their country, and a buffet of traditional Saudi cuisine was served.

Girl Scouts get a head start on computer science



Lisa Anneberg, professor of electrical and computer engineering, worked with Girl Scouts Hannah Lesko of Novi (front) and Katelyn Haygood of Detroit during a Computer Fun and Internet Safety program she organized for 25 Girl Scout Juniors at Lawrence Tech last fall. "I think it's important for girls to think about careers in science, engineering, math, and computers," Anneberg said. "In my classes only one student in ten is female. We want that to change!"



Students improve handicapped accessibility

Students Mark Weisgerber, Julie Kehoe, and Nathan Loree (L-R) work on a railing at the home of Susan Fitzmaurice in West Bloomfield as part of the ongoing "Freedom by Design" program of the American Institute of Architects Students (AIAS) chapter at Lawrence Tech. Each year the students design and then implement a renovation project to make a residence more handicapped accessible. The students raise money to pay for the supplies and equipment needed for the projects.

Tech
INVITATIONAL Meadowbrook Country Club
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Gorsich covers many bases as TARDEC's chief scientist

When David Gorsich, BSEE'90, was a student at Lawrence Tech, he liked to jump ahead and sometimes back in his textbooks to focus on topics that caught his interest. That enthusiastic approach to learning fits well with his new job as chief scientist at the U.S. Army Tank Automotive Research, Development and Engineering Center (TARDEC) in Warren.

Gorsich, who went on to earn a master's degree from George Washington University and a doctorate in applied mathematics from the Massachusetts Institute of Technology, has to deal with many topics at the same time. The Army has given TARDEC the lead role in mobile bridges, armor for tactical vehicles, ground vehicle robotics, fuels and lubrication, and the engineering and development of all Department of Defense ground vehicles.

TARDEC is growing along with parent organization TACOM Life Cycle Management Command. Its mission now includes collaboration with the Marines and the Navy on the development of a joint light tactical vehicle. Gorsich oversees the technical development of more than 1,200 engineers and scientists

and must make sure that he has the people with the right background to accomplish TARDEC's many missions.

As chief scientist, Gorsich is responsible for providing technical review of all science and technology programs and making recommendations to the director on all of TARDEC's technical programs.

A high school teacher awakened Gorsich's interest in electronics, but when he came to Lawrence Tech he found he was also fascinated by chemistry, physics, calculus, and mechanical engineering. In fact, he studied so many different subjects at Lawrence Tech that he had to "cram" some classes into his senior year so that he could complete his degree in electrical engineering in four years.

"Lawrence Tech was the perfect place for me," he said.

An internship provided him with practical experience with embedded controllers, and that background caught the attention of the Army recruiters who came to the campus. Even after successfully interviewing for jobs in private industry that paid more, Gorsich was drawn to the opportunity to get exposure to a broad range of research and

development with TARDEC.

"I went for the exciting job over the money," he said.

Gorsich started in information management systems at TARDEC and then moved to vehicle survivability research and vehicle electronics. He worked at the Army Research Laboratory and the Pentagon outside Washington, D.C., and the Army paid for his graduate education.

He has worked on improving fuel economy through vehicle intelligence, and prior to becoming chief scientist at the start of this year, he was associate director for vehicle modeling and simulation.

Gorsich finds that many engineers and scientists at TARDEC take the knowledge that they gained at the undergraduate and graduate level and apply it to real-world problems.

In adding armor to tactical vehicles that weren't designed for it, TARDEC scientists find they must

make trade-offs between their three vehicle objectives: payload, protection, and performance.

"TARDEC has world-class expertise in managing these tradeoffs," he said.

Research done at Lawrence Tech and other universities helps TARDEC utilize new materials and new engineering approaches to achieve the goal of protecting soldiers.

TARDEC engineers and scientists have worked closely with University Distinguished Professor Nabil Grace in Lawrence Tech's Center for Innovative Materials Research (CIMR) to develop new military applications for carbon fiber, a material that is lighter and stronger than steel.

"Lawrence Tech and TARDEC both focus on applied research – on how you integrate technology into a system to accomplish a specific mission," Gorsich said. ▲EP



David Gorsich, BSEE'90, wears many hats in his new job as chief scientist at TARDEC in Warren.

Fund-raising volunteers recognized



Two Lawrence Tech supporters were honored as distinguished volunteers when the Greater Detroit chapter of the Association of Fundraising Professionals held its National Philanthropy Day Dinner in November. Lawrence Tech President Lewis N. Walker (R) joins the award winners, Michael Zulinski, BSIM'74, president of the alumni association, and Karen Mitchell, director of major account services for DTE Energy who has chaired the Tech Invitational fund-raising golf tournament for two years.

Sigma Phi Epsilon at Lawrence Tech honors deceased brother

More than 50 members of the Sigma Phi Epsilon fraternity from across the country attended the funeral of John Jurewicz II, BSIM'92, who died Sept. 21, 2008, as the result of injuries suffered in a car accident.

"Brother Jurewicz, affectionately known as JJ, was a very dedicated member, if not the most dedicated member, of the Michigan Theta chapter for the past 20 years as both an undergraduate and alumnus," said classmate Rob Rochon, BSCvE'92.

Jurewicz joined the fraternity in 1987 and became fund-raising chairman two years later. With the help of another fraternity brother, Steve Lowes, BSBA'88, he secured a concession stand at the Pontiac Silverdome and then Ford Field for Detroit Lions home games and other events. He trained chapter members and lined up volunteers for each event. Over the past 20 years the chapter has earned over \$300,000 working these events.

As a member of the chapter's Alumni Volunteer Corporation (AVC), Jurewicz attended many chapter functions and leadership academies in order to improve operations of the alumni board/corporation. He helped the chapter earn three Buchanan Outstanding Chapter Awards from 1993 to 1997. He won the Volunteer Excellence Award at the chapter's 30th anniversary in 2001, and served as president in 2005 and 2006.

The Michigan Theta alumni and the AVC have established the Educational Foundation Committee in honor of Jurewicz with a fund-raising goal of \$50,000. These funds will help support the Balanced Man Scholarship, the

John Jurewicz II Burning Heart Award, Leadership Continuum sponsorships, and the chapter's alumni newsletter. To contribute,

send donations to Sigma Phi Epsilon Educational Foundation, P.O. Box 1901, Richmond, Va. 23218-1901, or contact Executive Director Doug Scheibe at 804.612.1409.

Another endowment, the Sigma Phi Epsilon Memorial Fund, will support the construction and

maintenance of a memorial on campus. Donations may be sent to Lawrence Tech's Office of Advancement. Contact Julie Vulaj, director of major gifts, at jvulaj@ltu.edu or 248.204.2313. ▲EP



Five Volunteer Excellence Award winners were honored at the Theta chapter's 35th anniversary party in 2006. In the photo, presenter Woody Floyd (R) joins award recipients (L-R) Tom Andreozzi, BSBA'92, John Jurewicz II, BSIM'92, Mike Wallace, Rob Rochon, BSCvE'92, and Salvatore Moschelli, BSAr'00.

Sheoris wins AIA Detroit Gold Medal



The American Institute of Architects (AIA) Detroit bestowed its highest honor, the Gold Medal, on Professor Emeritus John Sheoris (center), who taught at Lawrence Tech from 1984 to 2001. During AIA Detroit's annual Celebration of Excellence at the Detroit Institute of Arts in December, Sheoris was congratulated by two Lawrence Tech alumni, 2008 AIA Detroit President Mark Nickita (L), BSAr'87, BA'r'89, MA'r'01, and Jeff Zokas, BSAr'74, BA'r'75, the incoming chapter president.

AIA Detroit photo

Entrepreneurs share their experience through LEGENDS

The LEGENDS is an affinity group of the Lawrence Tech Alumni Association that brings together entrepreneurial Lawrence Tech alumni interested in fostering and enhancing the entrepreneurial mindset among current students. The organization also serves as a network and as a forum where Lawrence Tech alumni can share their entrepreneurial journeys and experiences. It can help identify business opportunities and future commercialization of intellectual property within the Lawrence Tech family.

LEGENDS is an acronym for Lawrence Entrepreneurial Graduates Exploring New Directions, a group of Lawrence Tech graduates who have created businesses and stimulated economic development throughout the United States. The formation of this alumni group gives students

access to entrepreneurial alumni through mentoring, internships, networking, class presentation, and the Entrepreneurial Lecture Series.

Alumni entrepreneurs can access a membership application through a link on the Alumni Association website, www.ltu.edu/alumni/legends.asp.

In addition, the LEGENDS has established a *LinkedIn Group* for its membership in order to facilitate communication, collaboration, and business networking.

Questions about the LEGENDS can be addressed to Donald Reimer, associate director of the Entrepreneurship Program in the College of Engineering, at 248.204.2573 or dreimer@ltu.edu.

▲EP



Domino's Pizza CEO delivers business insights

Prior to his Nov. 11 speech at Lawrence Tech, David Brandon (L), board chairman and CEO of Domino's Pizza, spoke with Lawrence Tech President Lewis N. Walker and Donald Reimer, associate director of the Entrepreneurship Program in the College of Engineering. Brandon, who received an honorary degree from Lawrence Tech in 1999, discussed what makes entrepreneurs successful. The event was co-sponsored by the LEGENDS, a new Lawrence Tech alumni organization for entrepreneurs and business owners, Lawrence Tech's Collegiate Entrepreneurs' Organization and the Kern Entrepreneurship Education Network.

Recent grad and senior win regional software design competition



Justin Bush (L) and recent graduate Keith Foreman work together at Vectorform Inc. in Royal Oak.

A Lawrence Tech senior and recent graduate were part of a three-man team from Royal Oak-based Vectorform Inc. that won the New York regional PhizzPop Design Challenge for designing an integrated suite of software applications to support K-12 education. The team will compete in the national finals in Texas.

The team included Justin Bush, who is majoring in digital arts, Kevin Foreman, BSCS'08, and Vectorform Creative Director Peter Ruthenberg. Together they conceived and developed Study Right, an educational program that features three Microsoft Surface applications integrated with a Silverlight-based website.

With Study Right, students who sign in with tagged identity cards would be tracked for attendance and performance. Students could follow the day's lesson plan, par-

ticipate in study labs, view accompanying digital materials, and take tests on their computers, while the teacher could communicate with students and parents in real time. Other applications are designed to aid younger students, teachers, and parents.

According to Bush, with the emergence of Multi-touch, solutions that include Microsoft Surface and platforms such as Windows 7 (scheduled for release in 2009) can be integrated with backend supporting platforms such as Live Services and SharePoint. "The feasibility of academic multi-touch applications will increase in schools and make these types of solutions a reality," Bush said. ▲EP

Lecture series focuses on 'theory and practice'

The Entrepreneurial Lecture Series (ELS) has developed into an integral part of the Lear Entrepreneurial Program (LEP) within the College of Engineering. Created in 2002 with a gift from Lear Corp., LEP has provided a strong foundation for the Lawrence Tech entrepreneurial program within the College of Engineering.

ELS fosters Lawrence Tech's theory and practice credo by bringing experienced entrepreneurs to campus. Each speaker provides students with an overview of an entrepreneurial or corporate entrepreneurial journey. The practical "hands-on" perspective brings added value by complementing the classroom learning experience.

ELS is sponsored by the LEGENDS, an alumni entrepreneurial group, and the Lawrence Tech chapter of the Collegiate Entrepreneurs' Organization. All but one of this academic year's speakers are Lawrence Tech alumni.

Held in the Lear Auditorium in the University Technology and Learning Center, the free lectures are open to all Lawrence Tech students, alumni, faculty, and the community.

"The feedback received from our students who have attended the lectures has been overwhelming," said LEP Associate Director Don Reimer. "The ELS mission is to create an awareness and understanding of the world of entrepreneurship, and the 2008-09 lecture

series has more than lived up to that goal. It has integrated various components of an engineering education and fostered the entrepreneurial mindset."

The 2008-2009 lecture series had the following lineup of speakers from October to April:

- Keith Pratt, BSIM'82, chairman and CEO, Shared Vision, LLC.
- Jayson Pankin, new venture creation specialist, Delphi Corp.
- Dominick Tringali, BSAR'83 BA'84, president and CEO, Dominick Tringali Architects.
- Michael Fitzpatrick, BSME'73, president, Fitzpatrick Manufacturing Co.
- Don Bernhardt, BSME'86, vice president, North American Seat Engineering, Lear Corp.
- David Darbyshire, BSME'87, engineer and co-owner, DASI Solutions LLC.

The 2009-10 series is in development now. For more information, contact Reimer at dreimer@ltu.edu or 248.204.2573. ▲EP



Keith Pratt, BSIM'82, displayed some of the products his companies have developed when he kicked off the Entrepreneurial Lecture Series in October.

Park West Gallery fund-raiser



Howard Weber (L), BSME'51, joined Lawrence Tech Vice President of University Advancement Stephen Brown at the UTLC gallery in February when several works of art donated by Park West Gallery owner Albert Scaglione were auctioned off to support scholarships at Lawrence Tech. The University received 266 original works of art valued at \$515,000, and many are now displayed on campus.

Park West Gallery photo

Women share knowledge of business

Dean Hsiao-Ping Moore of the College of Arts and Sciences addresses the annual High Tea luncheon, which brings together women graduates, students, faculty, and staff to discuss opportunities for women in the business world. Participating in the panel discussion are (L-R) Carolyn Dwyer, BSAr'87; Kathleen Schroeder, MBA'95, DBA'08; Elizabeth Howell, BSEE'92; Gina Van Tine, BSAr'89, BA'94; Karen Evans, AUS'01, BSHu'03; and Laura Clary, BSAr'95, who was the moderator.



Management alumnus wins national engineering award

Shortly after graduating in December, Christopher Scott, MBA'08, was thrilled to learn that he had been selected for a 2009 Black Engineer of the Year Award.

The award recognizes those who have achieved exceptional career gains in government and industry, in lifetime achievement, and in pioneering feats. Scott was honored in the modern day technology

leaders category, which recognizes men and women of color who are demonstrating outstanding performance and will shape the future course of engineering, science, and technology.

The Black Engineer of the Year Awards are hosted annually by Lockheed Martin Corp., the Council of the Engineering Deans of the Historically Black Colleges

and Universities, and *U.S. Black Engineer & Information Technology* magazine.

Scott is an electrical engineer at the U.S. Army Research, Development and Engineering Command's Tank Automotive Research, Development and Engineering Center (TARDEC) in Warren. He works on the high-performance computing team that is responsible for developing the engineering tools for in-depth modeling and simulation analysis of military vehicles.

A graduate of Cass Technical High School in Detroit and the University of Detroit Mercy, Scott decided he wanted to augment his bachelor of science degree in electrical engineering with an MBA. "I felt that I wanted to have a business background to go with my engineering background," he said. "This will make me a better engineer."

The 26-year-old Detroit native chose Lawrence Tech after a one-on-one meeting with Louis

DeGennaro, dean of the College of Management. "I had heard a lot of good things about Lawrence Tech from other graduates, and I liked the low faculty-to-student ratio and the smaller class sizes."

Best of all, Scott says, was the opportunity to take all his classes at his workplace. "The partnership between Lawrence Tech and my employer is great!" declared Scott, who chalked up a perfect 4.0 GPA and was well-respected by his professors.

"Chris' leadership ability and strong commitment to excellence are competencies that are necessary to help his organization grow and prosper. His professional experience and proven track record of academic accomplishments make him an outstanding choice for this prestigious award," said Patty Castelli, associate professor of management. Scott was a student in Leadership and Management, a class she taught at the Warren facility in the fall of 2007.

Now that he has both an engineering and business background, Scott looks forward to new opportunities as a civilian employee at TARDEC. "I definitely enjoy the type of work I do," he says. "I enjoy supporting our nation and supporting our soldiers." ▲ CM



Christopher Scott, MBA'08, found that his business courses helped him be more effective as an electrical engineer and a civilian employee at TARDEC in Warren.

Alumni Notes

Alumni Notes includes news gathered from alumni, their families and friends, corporate news releases, and Michigan newspapers. Due to space limitations in this issue, the editors were not able to print all the submissions we have received. Those submissions and others will be published in the fall issue. Use the form on page 30 to share news about you!

1933-1959

Harold H. Dunn, BSEE'55, ran as the U.S. Taxpayers Party candidate in 2008 for a seat in the Michigan House of Representatives. Harold, a retired automotive engineer, supports restoring tariffs on imports in order to bring back U.S. jobs that he believes have been lost due to free trade measures backed by the two major parties.

Gretchen Minnhaar, BSArE'59, is not only an accomplished architect but also a renowned fine-art painter whose works are featured in galleries, exhibits and private collections around the world. A native of Argentina, Gretchen now lives in Grand Rapids with her husband, retired cardiac surgeon Luis Tomatis. A feature article in the *Grand Rapids Press* earlier this year notes that Gretchen speaks five languages and has visited more than 80 countries. She is the former president and current member of the city's Downtown Alliance.

1960-1979

Donald E. Burwell, BSHu'62 (DIT), was featured in an article in the *Port Huron Times Herald* for his leadership as president and CEO of Kids Against Hunger Great Lakes Coalition. Nearly every weekend, Don loads a 14-foot trailer with food packs for distribution to needy people around much of Michigan as part of his personal campaign to end worldwide hunger. According to the article, he guides his volunteers "with the authority of a master sergeant and the skill and patience of a good friend."

It came 55 years after the fact, but **Gust C. Loizos**, BSIM'55,



Gust Loizos, with his citation, and as a soldier.

received the Bravery Gold Medal of Greece for his heroism while serving with the U.S. Army during the Korean War. "Better late than never," the 80-year-old Troy resident and son of Greek immigrants quipped in an interview published in the Nov. 5, 2008,



issue of the *Royal Oak Review*. In May 1953, Gust was working as an Army radio operator in Korea when someone speaking in the Greek language broke through the American communication lines with an urgent plea. Fortunately, Gust had learned Greek from his parents, and he was able to determine that the caller was with a group of 30 to 40 Greek soldiers trapped in the middle of a minefield and susceptible to enemy fire. Even though it was the middle of the night, Gust and six others headed out to rescue the soldiers. Gust received numerous honors and medals for his service in the Korean War but the Bravery Gold Medal of Greece, though promised, wasn't among them. For many years, Gust, described by his family as a modest man, kept the story mostly to himself, but a few years ago he began inquiring about the honor. Finally, the story reached the ears of David Neary, a former Marine and military historian. Neary, working with two others, secured the long-overdue medal and presented it to Gust at a special ceremony last year.

Robert L. Walters, AMT'64, was a candidate for the Grosse Ile Twp. Board of Trustees in 2008. Formerly with National Steel Corp., Bob is self-employed and runs an engineering construction consultant firm, R.L. Walters and Associates.

Peter M. Dobrzeniecki, BSIM'73, is the new treasurer of the City of Inkster. Known as "Peter D" due to his tough-to-pronounce last name, Peter came to Inkster from Flint, where he was the finance director. Before that, he worked in his hometown of Detroit as an auditor for 10 years, with the City of Grosse Pointe Park as a controller, and with Eastpointe as a treasurer.



Gary G. Balog, BSAr'75, FAIA, was elevated to the prestigious College of Fellows by the American Institute of Architects, an honor awarded to AIA members who have made significant contributions to architecture and to society and who have achieved a standard of excellence in the profession. Gary is president and CEO of BSHM Architects with offices in Youngstown and Columbus, Ohio.



Scott R. Bonney, BSAr'77, BA'78, AIA, LEED AP, was promoted to design director at Neumann/Smith Architecture in Southfield. Since joining the firm in 1987, he has been the lead designer on a variety of award-winning projects including the Jefferson Avenue Parking Structure in downtown Detroit, Metro Lofts in Royal Oak and Loft322 in Ann Arbor. Most recently, Scott was the



James P. Ryan

After over 45 years in the profession of architecture, including the last 30 years at the helm of JPRA Architects in Novi, **James P. Ryan**, BSArE'66, retired from active practice on Jan. 1, 2009. Jim will retain the title of chairman emeritus of the firm he started in 1978 and will contribute his expertise from time to time as commissions or special projects may require. Under his leadership, JPRA has grown into one of the leading design firms involved in national and international retail projects. Jim is currently on the Alumni Association Board of Directors.

lead designer for the Blue Cross Blue Shield of Michigan Parking Structure and Campus Improvements project, which has received LEED certification from the U.S. Green Building Council.

James Godbout, BSBA'78, was re-elected to a four-year term on the Westland City Council in 2007. Jim, an account manager for Rockwell Automation, is serving as council president.

Emil R. Sdao, BSAr'79, BA'80, RA, was promoted to designer director at Neumann/Smith Architecture in Southfield. Emil has more than 25 years of experience designing distinctive buildings, with a special talent for creating dynamic "people places." Since joining the firm in 1994, he has been the lead designer on several projects honored with multiple awards for design excellence.

1980-1989

Robert Mihos, BSIM'80, was tapped to lead a new energy conservation initiative for the city of Holland. Bob, a conservation programs manager for the city-owned Board of Public Works, will develop programs to help reduce energy use and educate the public on the importance of energy conservation.

Mark A. Farlow, BSAr'81, BA'82, was selected by the Birmingham Rotary Club to be the Team Leader for the 2008 Group Study Exchange trip to Turkey. The four-week program of the Rotary Foundation is a unique cultural and vocational exchange opportunity for young business and professional men and women between the ages of 25 and 40.

ALUMNI NOTES

Bert H. Koseck, BSAr'81, AIA, LEED AP, was promoted to director of business development at Neumann/Smith Architecture in Southfield. A senior designer who has been with the firm for over 24 years, Bert focuses on developing strategic client relationships.

Frederick F. Butters, BSAr'83, BA'84, was profiled in his hometown newspaper, *The Index*, for his remarkable career achievements. He has been a licensed architect since 1987 and a practicing lawyer for the past 18 years. An active member of the American Institute of Architects, Fred is a part-time faculty member at Lawrence Tech and past member of the Architecture Alumni Board.

Joseph A. Miller, BSAr'83, AIA, joined HBA Architecture & Interior Design of Virginia Beach, VA, as an architect and associate in the firm's Community Studio. Joe plays a critical role in the firm's Community Studio, serving as a project manager on a number of projects for the city of Portsmouth, including the renovations and additions to the Children's Museum of Virginia.

Lokman Abbas, BSEE'84, an electrical engineer with SmithGroup, was promoted to associate at the firm's Detroit office. He has been instrumental in the L'enfant Plaza Extended Stay Hotel in Washington, DC, and also has worked on the McNamara Terminal at Detroit Metro Airport, among numerous other projects.

Tim Frasier, BSEE'85, has been named regional president of automotive electronics in North America for Robert Bosch LLC. Frasier worked for Ford Motor Company and General Motors Corp. before joining Bosch in 1992, where he has worked on hybrid vehicle technology, engineering body electronics, exterior sensing product development, anti-lock braking systems, traction control systems and electronic hardware development.

Adorno F. Piccinini, BSCE'85, LEED, was named director of new business development at Walbridge, a Detroit-based construction firm. Adorno has an extensive background in real estate and mixed-use development, and construction sales and engineering.

Nicholas Salowich III, BSAr'85, BA'86, AIA, was named principal for the Detroit office of Hamilton Anderson Associates, an architecture and landscape architecture firm based in Detroit and Las Vegas. The promotion recognizes the valuable contributions and leadership in project management Nick has shown in his 11 years with the firm.

Albert E. Boulter, BSEE'86, PE, is chief of the Air Force scientist and engineer career program at Randolph Air Force Base in San Antonio. The position champions career development initiatives for more than 10,700 civilian Air Force scientists and engineers. Albert developed systems engineering methodology for the Air Force chief engineer while assigned to the Pentagon and integrated avionics upgrades into the F-16 fighter while at Wright-Patterson AFB.

Robert H. Case, BSAr'87, BA'90, founded Case Architecture Inc. in Freeland in 2007.

Frank T. Kapral, BSEE'88, was elected in November 2008 to a four-year term on the Harrison Twp. Board of Trustees (Macomb County). Frank, an electrical engineering manager, says his top goals include developing possible civilian uses for the Selfridge Air National Guard Base, such as a bike path near Lake St. Clair and a golf course; and water quality improvements for area waterways.

Michael Nikitin, BSIM'89, MBA'97, a quality control manager and business consultant from Brighton, was the U.S. Taxpayers Party candidate in the 2008 U.S. Senate race in Michigan.

1990-1999

James M. Stock, BSAr'90, BA'92, RA, LEED AP, was promoted to design director at Neumann/Smith Architecture in Southfield. Since joining the firm in 1993, Jim has been responsible for the planning and design of academic facilities, recreation centers, office buildings, museums, health-care facilities, condos/lofts, and shopping centers.

David P. Holmes, BSCE'91, has been named engineer of the year by the Jackson chapter of the Michigan Society of Professional Engineers. He has worked for Commonwealth Associates Inc. of Jackson since 1992, except for a two-year stint with Newhof and Winter of Grand Rapids in the mid-nineties. He is a registered professional engineer in 19 states.

Christopher A. Young, AMET'91, BSET'94, was promoted from engineer/designer to project leader at Peter Basso Associates, a Troy-based consulting engineering firm.

Chantelle C. Marshall, BSAr'92, BSIA'97, IIDA, joined the staff of Hobbs+Black Associates Inc. in Ann Arbor as a designer/documents leader for the firm's retail studio. She has 16 years of professional experience in architectural and interior design, including extensive work in retail and restaurant facilities, as well as corporate, high-end residential and hospitality projects. She is also the vice president of communications for the International Interior Design Association (IIDA) Michigan Chapter.

David Boersma, BSAr'94, has joined the design staff of THA Architects Engineers in Flint. He previously worked for D'Anna Associates, Giffels Consultants and the Midland Planning Department. His specialties are multiple family housing, commercial real estate and design/building.

Michael Durand, BSCE'95, has been elected to the strategic board of directors for the Albert Kahn Family of Companies. He joined Kahn in 1998, became a principal in 2008, and has 14 years of experience in the automotive, industrial and health care industries. He is a member of the firm's project management and business development teams. He and his wife, Kristin, have three sons.

Elaine M. Keiser, BSAr'95, MA'97, opened her own architecture firm in Petoskey in 2000. Elaine Keiser Architects Inc. specializes in designing residential and commercial structures for Northern Michigan. In a recent profile in the *Petoskey News*, Elaine says she is happy to be living back up north after spending several years pursuing her education downstate.



Curtis J. Nemith, BSAr'95, MA'02, joined Neumann/Smith Architecture in Southfield as project architect. Curt has over

10 years of professional experience encompassing a wide variety of projects including senior housing, office buildings, medical and dental offices, and libraries.



Tracey D. Taylor, BSIA'96, NCIDQ, joined Neumann/Smith Architecture in Southfield as lead interior designer. Tracey's

extensive professional portfolio encompasses more than 12 years of interior projects for corporate, educational, religious, retail, commercial, and health-care clients.

Tracey L. Edry, BSME'97, was re-elected to the Green Oak Twp. Board of Trustees (Livingston County) in November 2008. Tracey, a Republican, is an engineering cost estimator. She and her husband, Stan, have two young sons.

Jean-Marie A. Evrard, MBA'98, was appointed technical director Asia Pacific for Valiant Corp., a supplier of automatic production systems for the automotive, aerospace, construction and forestry markets. He leads the creation of a new subsidiary in Pune, India, to serve the Asia Pacific market. Jean-Marie is a member of the College of Management Alumni Association Board.



Bradley M. Alvord, BSAr'99, MA'03, LEED AP, was elected to the board of directors of Lindhout Associates

Architects AIA PC in Brighton. A registered architect, Brad will participate in the company's day-to-day management.

Wael Berrached, MSIS'99, owner of Eview 360, a Farmington Hills-based design agency, was profiled in the *Detroit News*. According to the article, Wael grew the diversified multimedia company to an anticipated \$6 million in global sales in 2008, up from \$3.4 million in 2007. His firm recently opened an office in Dubai and added a fulfillment company called Moda 360 to build and ship furniture.

Angela M. (Yaros) Botorowicz, BSAr'99, is an associate architect in the facilities planning and development department at the University of Michigan's Hospitals and Health Centers Facilities Services.

Corey R. Switanowski, BSCvE'99, PE, LEED AP, was promoted to senior project engineer at Somat Engineering Inc. in Detroit. Corey is responsible for oversight of a variety of challenging engineering projects and the technical enhancement and development of the firm's junior staff.

2000-2009

Tina M. Boes, MBA'00, and husband Dave are proud parents of a son, Nicholas David Boes, born Nov. 4, 2005. Tina is a member of the College of Management Alumni Association Board.

David S. Griffith, MBA'00, was named an automotive key accounts manager at Buehler Motor Inc. David works with the firm's existing Detroit sales and applications team to build upon the company's new long-term contract with General Motors and growing relationships with other companies.



Amanda Katt-Cassidy, BSAr'00, SMSI, CDT, became a Leadership in Energy and Environmental Design (LEED)

accredited professional (AP). Amanda is currently project architect for Soil and Materials Engineers Inc. in Plymouth.



PKU celebrates 75th anniversary

Members of the Phi Kappa Upsilon fraternity at Lawrence Tech celebrated the chapter's 75th anniversary in October 2007. Those in attendance posed for this group photo in the atrium of the Buell Management Building before heading over to the Skyline Club in Southfield's Town Center for the University's alumni dinner dance.

Christopher A. Schlaps, BSAr'00, Mar'04, is a senior architect at the University of Michigan Hospital in Ann Arbor. He and his wife celebrated the birth of their first child, Greta Elizabeth, on Dec. 2, 2008.

Paul Kauffman, MBA'03, is director of Medical Programs at Lansing-based Accident Fund Insurance Company America. His responsibilities include managing the telephonic nurse case managers, the medical bill payments team, and the pharmacy program. Paul was previously director of Third Party Administration operations.

Angela Nelle-Pagel, BSAr'03, Mar'08, is an intern architect with Butcher & Associates PC, an architecture and planning firm in Gaylord.

Steven J. Dedyne, BSAr'04, joined the staff of CDPA Architects in Southfield as an architectural technician.

Nathaniel Loyer, BSAr'05, an architect with Cole + Russell architects in Cincinnati and a former volunteer firefighter in Belleville, won a "Silver Satellite" award from *Fire Chief Magazine* for his efforts in designing a fire station in Isle of Palms, SC, and a "Notable Satellite" award for his contributions to the design of a fire station in Cincinnati.

Santosh Nair, MSCS'07, was hired by DunnhumbyUSA of Cincinnati as a data architect. He is responsible for data modeling and design.

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:
 Alumni Relations Office
 Lawrence Technological University
 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 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.

William C. Hund, BSChE'37, of Howell, Jan. 15, 2009. Mr. Hund was a World War II Navy veteran and a retired buyer for Detroit Edison. He was survived by his wife, Roma, a son and a daughter.

William W. Ironside, BSChE'40, of Crosby, TX, Aug. 13, 2008. Mr. Ironside served in the U.S. Air Force during World War II and continued in the Air Force Reserves until his retirement in 1976 as lieutenant colonel. After retiring from his career as a chemical sales representative for Ferro Corp., he assisted his wife with her doll repair business, Wee World of Dolls. Mr. Ironside was a member of the Ford/Mercury Restorers Club and was often seen driving around Berkley, his hometown for 50 years, in one of his restored vehicles. Mr. Ironside was survived by four children. He was predeceased by his wife, Verna.

Gabriel M. Sitrin, BME'41, of Buffalo, NY, Aug. 7, 2007. He was survived by his wife, Atta Rae, and two children.

William J. Coatsworth, BSME'43, of Beverly Hills, MI, Feb. 14, 2008. A retired industrial engineer at General Motors, he was survived by four children.

Paul S. Amber, BSEE'44, PE, of La Jolla, CA, May 3, 2006. Mr. Amber was an entrepreneur and authority in automation, co-authoring a popular textbook in the field. He was a Navy officer during World War II. Along with his twin brother, **George**, BSEE'44, who predeceased him, he was a 1962 recipient of Lawrence Tech's Alumni Achievement Award. Mr. Amber was the retired owner/partner of Amber & Amber, a real estate development company that designed, built, and owned some 1,100 apartment units

in the Royal Oak, Clawson, and Troy area, many with unique features. In the 1960s, the brothers proposed and were well along in developing an innovative aerial tramway between Detroit and Windsor before Detroit politicians scuttled the project. He returned to campus several times as a guest lecturer on entrepreneurship and housing development. One of his fondest student memories was of the time his 1939 Crosley automobile, weighing 900 pounds, was carried by his friends onto the porch of the Highland Park building. Mr. Amber was survived by his wife, Sylvia, and three children.

Andrew Zywotko, BSChE'44, of Port Charlotte, FL, March 3, 2008. Mr. Zywotko was retired from Briggs Manufacturing in Detroit.

Melvin T. Rutkowski, BSME'48, of Eastpointe, May 23, 2008. Mr. Rutkowski was a retired estimator and sales engineer at Trident National Fireproofing & Painting. He was survived by his wife, Janine, and four children.

Robert H. Barnowske Sr., BSEE'49, of St. Clair Shores, Aug. 11, 2007. Mr. Barnowske was the retired chief of engineers at the U.S. Army Tank Automotive and Armaments Command (TACOM). He was survived by his wife, Jenette, and four children.

Edward Johnson, BSME'49, of White Lake, Dec. 14, 2006. A General Motors retiree, Mr. Johnson was survived by his wife, Helen.

Robert F. Mettler, BSME'49, BSIE'53, of Bradenton, FL, Dec. 8, 2006. Mr. Mettler was a retired president and general manager at Kysor Industrial Corp. in Cadillac. He was survived by his wife, Jean, and two children.

Vanio W. Pennanen, BSEE'49, of Merritt Island, FL, Jan. 25, 2008. A retired electrical engineer, Mr. Pennanen spent his early career at Packard, Studebaker, RCA, General Motors, and Custiss-Wright. In the early 1960s he worked on NASA's space program in Florida. He spent much of the 1970s and '80s as an engineer for the U.S. Navy, where he was involved in developing long-distance communications systems aboard C-130 aircraft. During World War II, Mr. Pennanen flew 42 combat missions in the Pacific. He received the

Purple Heart in 1945. A photo of him recovering in Bali was featured in *Life* magazine. Mr. Pennanen retired from the Air Force Reserves in 1972 as a lieutenant colonel master navigator. He was survived by four children. He was predeceased by his wife, Blanca.

James M. Prange, BSME'49, of Glenwood Springs, CO., May 15, 2008. Mr. Prange was retired from ArvinMeritor Corp.

Gerard E. Burke, BSIE'50, of Dearborn, Oct. 30, 2006. A Ford Motor Co. retiree, Mr. Burke was survived by his wife, Anna, and two of their three children.

Lilliard "Lee" Cobb, BSME'50, of Cincinnati, May 16, 2006. Mr. Cobb, a World War II veteran, was a retired vice president of manufacturing at BW Industries Inc. In the late 1940s and early '50s he was a standout pitcher with the Carman Cardinals of the Canadian Baseball League. While working for Lockheed Propulsion Co. in the 1960s, Mr. Cobb patented a design that helped the Apollo 11 crew land on the moon in 1969. That same year, Mr. Cobb received Lawrence Tech's Alumni Achievement Award. He was survived by six children.

Philip G. Mulligan, BSME'50, of LaQuinta, CA, Jan. 7, 2007. Mr. Mulligan spent his 43-year career at PECO Energy Co. in Philadelphia as an engineer and vice president in charge of gas operations. He was survived by his wife, Elizabeth, and six children.

Julius A. Neidert, BSEE'50, BSME'53, of Port Charlotte, FL, April 7, 2007. Mr. Neidert, a Great Lakes Steel retiree, was survived by his wife, Fran.

William Seetoo, BSEE'50, of Dade City, FL, May 15, 2008. Mr. Seetoo was a retired electrical engineer at Detroit Edison and a Navy veteran of World War II.

Wayne L. Vincent, BSME'50, of Northville, June 2, 2008. A Ford Motor Co. retiree, Mr. Vincent was survived by his wife, Helga.

Allan Carmichael, BSCvE'51, of Maple City, Feb. 28, 2008. Mr. Carmichael served in the Army during World War II. In 1960, he and his family moved to the Glen Lake area in northern Michigan where they owned and operated the Dune Valley Motel for more

than 30 years. Mr. Carmichael was survived by his wife, Audrey, and three children.

Jack A. Gerrard, BSChE'51, of Mesa, AZ, April 12, 2007. Mr. Gerrard, a retired plant manager at 3M, was survived by his wife, Betty, and two children.

Robert E. Gould, BSME'51, of Parrish, FL, Sept. 16, 2007. Mr. Gould, a retired vice president of Design & Sales at J.E. Myles in Troy, was survived by his wife, Vera, and two children.

Donald R. Ostler, BSEE'51, of Livonia, June 26, 2008. Mr. Ostler, a Ford Motor Co. retiree, was survived by his wife, Letea, and three children.

Frank W. Sullivan, BSME'51, of Frankfort, Jan. 28, 2008. Mr. Sullivan served during World War II as an aviation navigator in the U.S. Navy. Starting as a sales engineer with the Michigan Bell Telephone Co., he rose through the ranks to manage the firm's training center and eventually became a district marketing manager. He was survived by his wife, Patricia, and four children.

John R. Carney, BSChE'52, of Fayetteville, AR, July 10, 2006. He was survived by his wife, Leita, and four children.

Norbert G. Ratafsky, BSCvE'52, of Farmington, July 8, 2007. Mr. Ratafsky was a vice president at Comerica Bank at the time of his retirement. He was survived by his wife, AnnaMarie, and two children.

John M. Valukas, BSME'52, of Roseville, Jan. 13, 2007. A retired development engineer at Ford Motor Co., Mr. Valukas was survived by four children.

Donald W. Beattie, BSCvE'53, of Rochester Hills, June 20, 2008. Mr. Beattie, a civil engineer and land surveyor, was the founder of MSC Associates Inc. in Troy. He was survived by his wife, Janet, and three children.

Robert H. Harrison, BSEE'53, of Wilmore, KY, Sept. 13, 2007. Mr. Harrison was the retired director of education for the Department of Labor.

Kermit Humphrey, BSME'54, of Grosse Pointe Farms, Dec. 21, 2007. Mr. Humphrey was survived by his wife, Lois, and one child.

Herbert J. Strasler, BSIM'54, of Coupeville, WA, Dec. 4, 2007. Mr. Strasler's career included 25 years as an aviator with the U.S. Navy and, in retirement, 11 years as a planning commission and town councilman for Coupeville. He was always proud of his affiliation with Lawrence Tech and often talked of friends and professors with whom he was associated, according to his wife, Evelyn, who survives him.

Chester F. Chadwick, APTDT'55, of St. Clair Shores, Jan. 21, 2008. Mr. Chadwick was a member of the Knights of Columbus Cardinal Mercier Council 2723 and active with the Hamtramck Community Center. He was survived by his wife, Genevieve, and four children.

Robert W. Downing, BSEE'55, of Rockwood, June 6, 2008. An avid boater and veteran of the U.S. Army, Mr. Downing was a retired Ford Motor Co. employee. He was survived by six children. Mr. Downing was predeceased by his wife, Lillian.

Nicholas P. Kovac, BSME'55, of Rochester Hills, March 2, 2005. Mr. Kovac, president of Nicholas Kovac PE, PC, was survived by his wife, Dorothy, and four children.

Joseph N. Malouf, ABCT'55, of Roscommon, Sept. 24, 2007.

William J. Boyd, BSEE'56, of White Lake, July 19, 2007. A retired senior project engineer at Chrysler, Mr. Boyd was survived by his wife, Dora, and four children.

Richard D. Green, AMT'56, of Garner NC, Sept. 22, 2007. Mr. Green, a retired supervisor at Chrysler, was survived by his wife, Doris, and two children.

Frederick C. Howes, BSEE'56, of Casper, WY, Sept. 20, 2006. Mr. Howes, a retired sales engineer at Westinghouse Electric Corp., was survived by his wife, Marilyn, and four children.

Andrew J. Kszych, BSME'56, of Ft. Myers, FL, Sept. 9, 2006. Mr. Kszych, a retired product engineer at Ford Motor Co., "was always so proud of his school," according to his wife, Helen, who survives along with a daughter.

Richard D. Lytwyn, AEET'56, of Escondido, CA, April 19, 2006. Mr. Lytwyn was a retired professor at Mesa College and a retired senior design engineer at General Dynamic Astronautics. He was survived by his wife, Deborah.

Gilbert E. Noble, AEET'56, of Gobles, Sept. 21, 2007. He was survived by his wife, Joan, and two children.

Alphonse S. Andrzejak, BSME'57, of White Lake, June 1, 2008. Mr. Andrzejak served in the U.S. Army Air Corps during World War II, worked as an engineer at Chrysler for 40 years, and was former city councilman and mayor pro-tem of Eastpointe. He was survived by his wife, Mildred, and eight children.

Victor X. Olesko, BSCvE'57, of Commerce Township, Nov. 3, 2007. Mr. Olesko, a retired construction engineer for Wayne County, was survived by his wife, Margaret, and four children.

Wayne F. Phillips, BSIM'57, of Temecula, CA, Feb. 25, 2008. Mr. Phillips was survived by his wife, Patricia.

Robert A. Baukus, ABCT'58, of Harrison, Nov. 12, 2007. Mr. Baukus was co-owner of Baukus-Yankee Builders of Harrison for 10 years. He also taught building trades at Mid Michigan Community College for 15 years and worked for Mann Construction of Harrison for six years. He was survived by his wife, Diana, and three children.

Herbert S. Barnett, BSIM'58, of Sanford, NC, Feb. 1, 2006. Mr. Barnett was survived by his wife, Ann, and four children.

Robert J. Domagalski, ABCT'58, of Warren, Jan. 21, 2008. A retiree at Scaffolding Inc., Mr. Domagalski was survived by his wife, Lee, and four children.

William Dennis FitzSimons, BSEE'58, of Berrien Springs, Oct. 16, 2007. Mr. FitzSimons worked for Ford Motor Co. from 1961 to 1988. He was responsible for the invention and design of the rear window defroster system for Ford. Shortly before his retirement, he suggested placing the third brake light

in the rear window of automobiles for safety. In 2006, Mr. FitzSimons was the candidate of the U.S. Taxpayers/Constitution Party for the U.S. Senate in Michigan. He was survived by three children.

William T. Galanek, AEET'58, of Elk Rapids, Jan. 8, 2008. He was predeceased by his wife, Ruth.

James J. Mitulski, AIST'58, of Brighton, July 15, 2008. Mr. Mitulski was survived by his wife, Jackie, and two children.

Lester G. Schwedt, AMT'58, of Ortonville, Dec. 30, 2007. A retired General Motors employee, Mr. Schwedt was survived by his wife, Linda, and two children.

Patrick J. Tavalacci, ARACT'59, of Livonia, July 12, 2007. Mr. Tavalacci, a Korean War veteran and avid golfer, was a retiree of Pipefitters Local 636 and charter member of the Italian American Club of Livonia. He was survived by his wife, Ann, and four children.

Frederick A. Crawford Jr., AEET'61, of Atlanta, MI, and Donna, TX, May 22, 2008. A U.S. Navy veteran, Mr. Crawford was a draftsman at Burroughs and Chrysler Defense and a controls supervisor at General Dynamics prior to his retirement. He was survived by his wife, Margaret, and three children.

Robert W. Garofalo, BSME'61, of Rochester Hills, June 17, 2008. Mr. Garofalo was an engineering group manager with General Motors when he retired in 2004. He was survived by his wife, Donna, and two children.

Leonard J. Lamb Jr., BSIM'61, of West Bloomfield, Feb. 19, 2008. He was retired from General Motors where he had worked for 28 years in employee benefits. He was survived by his wife, Barbara, and two children.

Joseph F. Slovak Jr., BSME'61, BSIE'64, of Canton, Aug. 7, 2008. Mr. Slovak was a retired Ford Motor Co. engineer and member of the Midwest Mineralogical Society. He was survived by his wife, Anna, and a son.

Ronald W. Waronoff, ABCT'61, of Columbia, MD, April 21, 2008. Mr. Waronoff had a long career as a retail store designer with both Hughes and Hatcher and Jos. A. Bank Inc. He was also a statistical engineer in the U.S. Air Force during the Korean War. Mr. Waronoff was survived by his wife, Marlene, and five children.

Jerold "Jay" B. McDonald, ARACT'62, of Livonia, April 5, 2008. Mr. McDonald was a member of the Dearborn All Stars semi-professional football team in the 1950s and served in the U.S. Navy. He was survived by his wife, Elizabeth.

Roy A. Seelbinder, ABCT'62, of Lake Orion, Jan. 15, 2008. Mr. Seelbinder owned and operated Seelbinder Construction Co. in Troy, specializing in churches. He was survived by his wife, Carol, and three children.

Robert W. Brown, AIST'66, BSIM'78, of St. Augustine, FL, Dec. 22, 2007. Mr. Brown, a General Motors retiree, was survived by his wife, Kimberly, and four children.

Ralph R. Dinger, BSEE'66, of Armada, April 14, 2001. He was survived by his wife, Lottie.

Kevin B. Munns, BSIM'66, of West Bloomfield, Jan. 13, 2009. Mr. Munns was a retired fleet sales representative at GMC Truck Division. He was survived by his wife, Gloria, and two sons.

James P. Schultz, BSIM'67, of Mount Clemens, June 17, 2008. A Ford Motor Co. retiree, Mr. Schultz was survived by two children.

Hugh M. Diamond, BSIM'68, of Brutus, formerly of Rochester Hills, was in institutional sales for Merrill Lynch, and was senior vice president when he retired in 1994. His retirement years were spent traveling the world. He was survived by his wife, Catherine, and one child.

Edward M. Feeney, BSIM'68, of Farmington Hills, Jan. 20, 2008. Mr. Feeney was survived by a brother and a sister.

David A. Roberts, BSEE'68, of Midland, May 1, 2008. A veteran of World War II, he moved to Midland in 1976 to supervise the National Guard Armory, and remained in the National

I N M E M O R I A M

Guard until his retirement in 1978. He was survived by his wife, Rosaline, and two children.

Vytautas A. Musteikis, BSIM'69, of Detroit, April 24, 2007.

George A. Zakhem, BSME'70, of Westland, May 12, 2008. Mr. Zakhem worked as an associate director for the U.S. Army Tank Automotive and Armaments Command (TACOM) for 25 years and was a U.S. Army representative to NATO for 20 years. He was survived by his wife, Joanne, and three children.

Clifford J. Drochak, BSAr'71, of White Lake, July 15, 2008. Mr. Drochak died when the small experimental plane he was piloting crashed in Genesee County. He was survived by his wife, Sharon, and one child.

Charles F. Marzolf, BSIM'71, of Canton, Sept. 17, 2007. Mr. Marzolf was survived by his wife, Pamela, and two children.

Alexander D. Moncrieff, BSIM'71, of Royal Oak, Dec. 17, 2007. An active member and president of the Troy Lions Club, Mr. Moncrieff was survived by his wife, Karen Louise, and two children.

Douglas R. Howe, AIST'72, of Clinton Township, Jan. 28, 2008. Mr. Howe, a retired business owner, was survived by his wife, Michelen, and two children.

William A. Lutes, BSIM'73, of Farmington Hills, July 13, 2007. Mr. Lutes, a retired draftsman for the U.S. government and a Korean War veteran, was survived by his wife, Millie, and two children.

Rodney W. Wingett, AEEt'73, of Utica, June 23, 2008. Mr. Wingett, a retired electrician for Detroit Newspapers with a third-degree black belt in koeikan karate, was survived by his wife, Patricia, and four children.

Dennis W. Rosecrans, BSAr'74, of Prescott, AZ, Oct. 15, 2006.

Gerald A. Bugajski, BSEE'75, of San Jose, CA, June 9, 2008. An employee of Alandea Inc. in San Jose, Mr. Bugajski was survived by his wife, Lisa, and two children.

George M. Troell, BSBA'76, of Garden City, Sept. 18, 2007. Mr. Troell, a section supervisor at Ford Motor Co., was survived by his wife, Sandra, and two children.

Bernard S. Borowski, BSBA'77, of Livonia, Dec. 30, 2007. Mr. Borowski, a retired property appraiser for Wayne County, was survived by his wife, Lucille, and five children.

Brian S. Zeleji, AEEt'78, of Southgate, Jan. 31, 2008. Mr. Zeleji was survived by his wife, Vicki, and two children.

James A. Valovick, AEEt'82, of Cedar, Dec. 18, 2007. Mr. Valovick was a mobility instructor for Blind Services at the Rehabilitation Institute in Detroit before joining Ameritech as a marketing administrator. After moving to northern Michigan, he joined the faculty of Northwestern Michigan College (NMC), where he taught philosophy, ethics and religion. He also served on the ethics committee of Munson Medical Center in Traverse City. At the time of his death, Mr. Valovick was slated to become chair of NMC's Humanities Department. He was survived by his wife, Catherine, and three children.

Gregory A. Fruehe, BSIM'83, of Macomb Township, Sept., 22, 2007. Mr. Fruehe was survived by his wife, Mary, and two children.

David D. Smith, BSAr'84, BAR'85, of Muskegon, Dec. 23, 2007. Mr. Smith was the executive director of facilities planning and management for the Grand Rapids public schools, where he championed a successful \$165 million bond proposal for school construction and improvements. Prior to his work in Grand Rapids, he was the campus architect for Western Michigan University. Mr. Smith was survived by his wife, Grace, and two children.

James J. Babiarz, BSME'85, of Troy, Sept. 24, 2007. A sales engineer at S. Himmelstein & Co., Mr. Babiarz was survived by four siblings and his fiancée, Jacqueline Femminineo.

Donald T. Ostrowski, AEEt'85, of Redford, May 17, 2008. Mr. Ostrowski was survived by his wife, Karen, and three children.

William L. Koggenhop, BSMCS'86, of Commerce Township, June 13, 2008. Mr. Koggenhop was a computer programmer at Ford Motor Co. and a local musician who performed with a variety of groups in the Detroit area. He was previously a computer programmer with EDS. Mr. Koggenhop was survived by his wife, Terri, and two children.

William J. Wasserberger, BSME'86, of Spring Lake, July 10, 2008. Mr. Wasserberger was director of research and development for Consumer Products at Brunswick Bowling. He was a member of the West Michigan Concert Winds. Mr. Wasserberger was survived by his wife, Ann, and two children.

Stephen J. Kalitta, BSME'87, of Livonia, Jan. 5, 2008. An avid gardener, hunter and golfer, Mr. Kalitta was survived by his wife, Kathy, and three children.

Robert J. Stramy Jr., BSBA'90, of Howell, July 4, 2008. Mr. Stramy was a systems manager for Comerica Bank. He was survived by his wife, Pamela, and three children.

Alan J. Skiba, BSME'91, of Lake Orion, Jan. 3, 2008. An employee of Chrysler LLC, he was survived by his wife, Kathleen, his father, and six brothers and sisters.

Robert J. Szyszkiewicz, BSBA'92, of Lake Orion, March 5, 2008. Formerly employed at Chrysler's Sterling Heights Stamping Plant, he was survived by two children.

Michael Marinkovski, BSEE'97, of Macomb, April 22, 2005.

Bryan Kish, MSIO'05, of Monroe, June 5, 2008. He had worked for more than 10 years as a manufacturing engineer for Diamond Electric of Dundee. He was survived by his wife, Keriann, and six children.

IN MEMORIAM-DIT

B. John Mitchell, BSME'40, of Tucson, AZ, April 11, 2008. Mr. Mitchell worked at Vickers Corp. and then at Detroit Diesel until 1944 before enlisting in the Naval Reserve, serving as a lieutenant (jg) until 1946. After a short period of farming, he joined General Motors Research Laboratories in 1947 as an engine designer. In 1956 Mr. Mitchell transferred to GM Engineering Staff,

where he contributed to the development of new engine technology. He was survived his wife, Mary, and three children, including Douglas B. Mitchell, BSEE'88.

Willard R. Jarchow, BSHu'46, of Seaside, OR, Nov. 20, 2007. Mr. Jarchow was a retired professor at Western Kentucky University. He was survived by his wife, Doris, and three children.

Howard H. Bloom, BSME'50, of Plymouth, Nov. 10, 2006. Mr. Bloom worked at General Motors for 44 years, retiring in 1985 as chief experimental engineer. He served as a captain and bomber pilot in the Army Air Corps during World War II. Mr. Bloom was survived by his wife, Dorothy, and three children.

Richard L. Henry, BSME'50, of Sun City Center, FL, May 31, 2008. A Detroit Edison retiree and former Allen Park resident, Mr. Henry was survived by two children. He was predeceased by his wife, June.

Alexander C. Howell, BSEE'53, of Novi, Oct. 2, 2007. A retired Detroit Edison engineer, Mr. Howell was survived by three children. He was predeceased by his wife, Marjorie.

Robert Berry Williams, BSPsy'53, of Southfield. Mr. Williams, who served in the then-segregated U.S. Army during World War II, later broke many racial barriers during a successful 30-year career in pharmaceutical sales. He was survived by his wife, Louise, a daughter and two sons.

Robert D. Bagby, BSEE'54, of New Port Richey, FL, March 6, 2005. Mr. Bagby was a retired mechanical engineer for AT&T in Detroit and a Navy veteran of World War II. He was survived by his wife, Rosemary, and three children.

Jack B. King, BSME'54, of Lake Orion, June 8, 2008. Mr. King worked in Advanced Engineering at the General Motors Technical Center, retiring in 1986 after 39 years of service. A mechanical engineer with more than 15 patents granted, he was awarded the first annual "Boss Kettering Award," GM's highest internal recognition, honoring individuals whose outstanding inventions and innovations have demonstrated technological leadership and benefit to GM. Mr. King was also a decorated veteran of World War II and a prisoner of war in Germany. He was survived by his wife, Frances, and six children.

GIVING SOCIETIES

LEADERSHIP CIRCLE

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.



The Venetian Ballroom of the Westin Book Cadillac was the venue for Winterlude 2009 in March. The revived elegance of one of Detroit's historical gems was a perfect setting for recognizing the many generous donors who provided outstanding support to Lawrence Tech during the previous year.

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.

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 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.



Family members of the late Dean of Engineering Laird Johnston were recognized as new members of the Trustees Society at Winterlude 2009. With President Lewis N. Walker are (L-R), Laird Johnston's daughter-in-law Krista, sons Grant and Christopher, and wife Susan. The family gave the lead gift for the Dr. Laird E. Johnston Memorial Endowed Scholarship in Engineering. (See story on page 43.)

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.

Donor Honor Roll

LAWRENCE TECHNOLOGICAL UNIVERSITY 2008 DONOR HONOR ROLL

Listing within club levels reflects gifts made through Dec. 31, 2008. All efforts have been made to ensure the accuracy of our donor lists. Please contact the University Advancement Office to report any errors. For a keepsake copy of the 2008 Honor Roll of Donors, call 248.204.2300.

Edward Donley Society

Anonymous
* Wayne H. Buell and *Vita S. Buell-Craig
The Chrysler Foundation
Mr. and Mrs. Ed Donley, BME '43, HD
Hawkins Ferry
Ford Motor Company Fund
General Motors Corporation
General Motors Foundation
Goldman Sachs Philanthropy Fund
* Mr. Walter T. Hartung, BSME '48
Anonymous
KnowledgeWare, Inc.
The Kresge Foundation
Mr. A. Leon Linton, BSME '62
Michigan Future, Inc.
* Mr. and Mrs. Orval A. Opperthausen, BSIE '48, BSEE '50
* Mr. John P. Parke
Mr. A. Alfred Taubman, HD

Russell Lawrence Society

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Aramark Management Services, L.P.
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E. George Lawrence Society

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* Edward E. Brewer and Mrs. Joyce K. Brewer
Ms. Catherine G. Burke
Mr. and Mrs. John Chanik, BSME '39 (DIT)
Community Foundation for Southeast Michigan
Denso North America Foundation
DTE Energy Company
DTE Energy Foundation
Ford Global Technologies, LLC
Ford Motor Company

Mr. and Mrs. Michael W. Fitzpatrick, BSME '73
Rollin M. Gerstacker Foundation
Mr. and Mrs. John M. Harlan/The Harlan Foundation
* Mr. and *Mrs. Alexander Hossack, BSME '48
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Ed and Inez Donley

Largest endowed scholarship in Lawrence Tech history launched

The largest endowed scholarship in the history of Lawrence Tech, the Ed and Inez Donley Scholars Program, is part of a \$5 million gift from long-time benefactor and alum Ed Donley, BME'43, and his wife, Inez.

This comprehensive scholarship, which covers tuition, housing, technology fees, wireless laptop, and a book stipend for all four years, is open to the "most promising," underprivileged minority student entering as a freshman in the College of Engineering. This scholarship is unique in the level of personal support and mentoring from President Lewis N. Walker and Board of Trustees Chairman Lloyd Reuss, and senior members of the selection team. Funding is also provided for a summer internship or technically focused travel experience

The winning candidate must have a cumulative high school grade point of at least 3.75, score 30 or higher on the ACT, and demonstrate community and leadership qualities. ▲

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Walter Hartung

Bequest doubles scholarship fund for engineering students

Walter T. Hartung, BSME'48, left a generous bequest to his alma mater to provide additional funding for the Walter T. Hartung Endowed Scholarship, which is awarded annually to full- or part-time undergraduate engineering students. After his death in 2007, stock worth more than \$500,000 was added to the original gift of \$500,000.

The endowed scholarship has become one of the University's largest donor-funded scholarships, providing more than \$55,000 a year that is divided into significant gifts for multiple students.

The Chrysler retiree was a World War II Navy veteran, a model airplane enthusiast, and longtime member of the Society of Automotive Engineers. ▲

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During the naming ceremony for the Natale Bifano Office of Admissions suite, President Lewis N. Walker (R) was joined by Bifano's brother and sister, Albert Bifano and Carmella Bifano Smith.

Office of Admissions suite memorializes Natale Bifano

Family and friends of Natale "Nat" Bifano, BAe'37, gathered Oct. 20, 2008, for the naming ceremony for the Natale Bifano Office of Admissions suite. Bifano, who died in December 2007, bequeathed nearly \$1 million to Lawrence Tech as part of his estate.

Bifano had an impressive career of government service that included involvement in the top secret Manhattan Project during World War II, stints in advanced aircraft and bomber design, and work with a variety of sophisticated weapons and defense systems. After joining Westinghouse Corp., he received a patent for an artificial human heart.

Bifano came to the United States with his family in 1921 from the Calabria region of Italy, and followed his older brother Michael, BAe'35, to Lawrence Tech after graduating from Detroit's Northwestern High School. ▲

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Outdoor dining plaza named for generous donors



The Hossack Outdoor Dining Plaza, which was completed last year, provides a beautiful venue for casual dining, entertainment, and special events. It is named for the late Alexander Hossack, BSME'48, and his wife, Patricia,

whose charitable remainder unitrust provided a gift of \$335,000 to the University in 2007. Their son, Richard Hossack (R), and his wife Colleen, were joined at the dedication ceremony by President Lewis N. Walker and his wife, Nancy. ▲

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John and Betty Chanik

Chanik told students in 2006, when he received the University's Alumni Achievement Award. This newest gift is in addition to the \$250,000 they gave previously to name the John and Betty Chanik Admissions Welcome Center in the new A. Alfred Taubman Student Services Center. ▲

Chaniks establish two new scholarships

John Chanik, BSME'39 DIT, MAE'44 DIT, and his wife, Betty, once again have stepped up to help today's students by donating \$50,000 to establish an endowed scholarship that will be available in fall 2009 and an expendable scholarship available for the spring semester. Both are open to full- and part-time students with a minimum GPA of 3.0. Preference will be given to engineering students at the undergraduate, graduate, and doctoral levels, and consideration may be given for financial need.

"Take all the education you can get ... don't ever stop learning,"

Chanik told students in 2006, when he received the University's Alumni Achievement Award.

This newest gift is in addition to the \$250,000 they gave previously to name the John and Betty Chanik Admissions Welcome Center in the new A. Alfred Taubman Student Services Center. ▲

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Laird Johnston

Laird Johnston memorial scholarship established

Laird Johnston, the retired dean of the College of Engineering at Lawrence Tech who passed away last year, has been honored by the establishment of the Dr. Laird E. Johnston Memorial Endowed Scholarship in Engineering funded by a generous donation from his family with additional resources

from friends and colleagues. Four scholarships will be awarded each year to full- and part-time students in their junior, senior, or post-graduate years. Preference will be given to engineering students.

Johnston was a life-long learner committed to helping young people succeed. The father of four sons, he is described by his wife, Susan Johnston, as "an ever curious engineer who loved all people — we called him 'Mr. Wonderful.'"

A graduate of MIT, Johnston earned 11 patents and had a successful career at both General Motors and EDS before joining Lawrence Tech. ▲

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Lawrence Tech's first registrar remembered with endowed scholarship



Genevieve Dooley

According to Chris Blackwell, BSHu'78, Genevieve Dooley, Lawrence Tech's registrar, business officer, and bookkeeper from 1932 to 1963, was more than instrumental in helping her graduate. She was the reason Blackwell graduated.

"I grew up in a family that could only afford to send my brother to college. I was expected to graduate from high school and go to work. But Miss Dooley, who lived in the same neighborhood, convinced me that it was important for me to go to college. And, of course she 'suggested' Lawrence Tech," Blackwell said.

Dooley helped Blackwell apply and obtain scholarships. Later she provided encouragement to persevere even when Blackwell thought about quitting because the rigors of both work and school were almost too much.

Blackwell was so inspired by Dooley that she donated funds to establish the Genevieve Dooley Award in Humanities. Later as a director on the Lawrence Tech alumni board, she rallied support to create the Genevieve Dooley Scholarship. Now she has created Miss Genevieve Dooley Endowed Scholarship through an immediate gift and estate gift. ▲

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Howard Sims

Employer establishes alternative energy fellowship

Howard F. Sims, principal of SDG Design Inc., has long been impressed by the caliber of Lawrence Tech architecture graduates. Having hired his fair share of alumni over the years, he was moved to donate \$20,000 to establish the Howard F. Sims Graduate Architectural Fellowship in Alternative Energy Applications.

"It has been my experience that Lawrence Tech grads are ready to hit the ground running right after graduation," said Sims. "I am extremely interested in sustainable architecture, so I wanted to make this a priority."

The fellowship will give preference to graduate students who undertake a thesis or final project in alternative energy research or design applications. ▲

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Lawrence Tech VP boosts scholarship pool

From her vantage point as Lawrence Tech's vice president of finance and administration, Linda Height sees a need to establish more scholarships to help students afford a Lawrence Tech education. She and her husband, Robert, have given \$25,000 to start the Linda and Robert Height Endowed Scholarship.

"If the people who know Lawrence Tech the best – its own employees – give generously to the University, it shows alumni and friends, corporations, and foundations that the need is real and contributing to this institution is a good investment," noted Steve Brown, vice president of university advancement.

The Heights intend the scholarship to be for students with a solid school record, but who aren't necessarily at the top of their class. They want to reach out to applicants who don't have as many options as the very brightest group, but are still worthy. They also see a need to help families who don't qualify for significant financial aid, but for whom private college tuition is too much of a stretch. ▲



Linda Height

Brother endows Klaetke Memorial Scholarship



President Lewis N. Walker and George Klaetke

Wayne State University alumnus George Klaetke has established the Frank W. Klaetke Memorial Scholarship in memory of his brother, a former Lawrence Tech student, with a planned gift valued at \$150,000. A native of Germany, Frank Klaetke graduated from Cass Tech in Detroit in 1948 and attended Lawrence Tech for two years on a scholarship while working part-time for a Detroit architectural firm. His education was interrupted by the war in Korea, where he served in an Army combat engineer battalion. He didn't return to Lawrence Tech after his military service, but always credited the University for helping to launch his career as a successful architect. He was a partner in the Detroit firm of Klaetke + Marino Architects for 39 years.

The Klaetke scholarship will be merit-based, although financial need may be considered. It will give preference to candidates who are part-time students, College of Architecture and Design majors, and Detroit residents. ▲

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BSME'48
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Jaroslaw S. Krywyj



Stephen Davis

Former dean inspires scholarship for part-time students

Ken Grezlik, BSME'78, and his wife, Margaret, have been annual contributors to Lawrence Tech almost since his graduation because of Stephen Davis, the dean of engineering from 1973 to 1984.

"Dean Davis was instrumental in my education," Grezlik said. "He knew me by name when we passed in the halls. He always made time to help. He motivated and inspired all of us to be great students."

Grezlik worked for General Motors and Johnson Controls, from which he retired as director of quality in 2007. Acknowledging the role that the University played in a successful career, the Grezliks have established the Kenneth and Margaret Grezlik Endowed Scholarship in Materials Engineering in Dean Davis' honor. Grezlik was an evening student while working at General Motors. The scholarship will support part-time students with financial need and a good grade point average. "Margaret and I want to recognize academic excellence because I know how difficult it can be. We hope our contribution will take some of the burden off students' shoulders," he said. ▲

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Beth Howell

Former scholarship recipient helps engineering students

Beth (Krumbach) Howell, BSEE'92, grew up in Harrisville, a Lake Huron town with a year-round population of hardly more than 500. Her math teacher, a retired engineer, inspired her to consider a career in engineer-

ing. She was able to attend Lawrence Tech thanks to a Buell Honor Scholarship, which covered full tuition, lab fees, and books.

She is returning the favor through the Elizabeth Howell Endowed Engineering Scholarship for engineering students. She wants to help insure that the utility industry's pipeline remains filled with talented professionals.

In 2002, after 10 years at DTE Energy, Howell joined 37 other utility industry employees in launching Novi-based ITC Holdings Corp., the country's first and only independent electric transmission company that now operates in Michigan, Iowa, Minnesota, and Illinois. She is vice president of operations. ▲

Corporations support Lawrence Tech green vehicle

Lawrence Tech students on the Element One team are earning praise for the racing kart they designed and built for the Formula Zero competition in Rotterdam last summer. Their "clean machine," a racing kart built with carbon fiber and powered by a hydrogen fuel cell, received top marks from the judges for design and was featured in the September 2008 issue of *Popular Science*.

The Element One kart was on display at the Denso North America exhibit at the North American International Auto Show in Detroit in January. In April the team traveled to South Carolina for the annual meeting of the National Hydrogen Association. ▲

The Element One team has benefited from the support of the following sponsors:

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The Element One student team designed and built this racing kart powered by a hydrogen fuel cell for the Formula Zero race in Rotterdam last year.

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Mid-career degree leads to \$400,000 planned gift



Mark Ritz and Lee Gorman

L. Lee Gorman, BSME'97, and her husband, Mark Ritz, have made provisions in their will for all of the universities and even secondary schools they have attended. Their list of "alma mater" beneficiaries includes the University of Michigan, Harvard, Purdue and Lawrence Technological University, which is to receive a \$400,000 unrestricted planned gift.

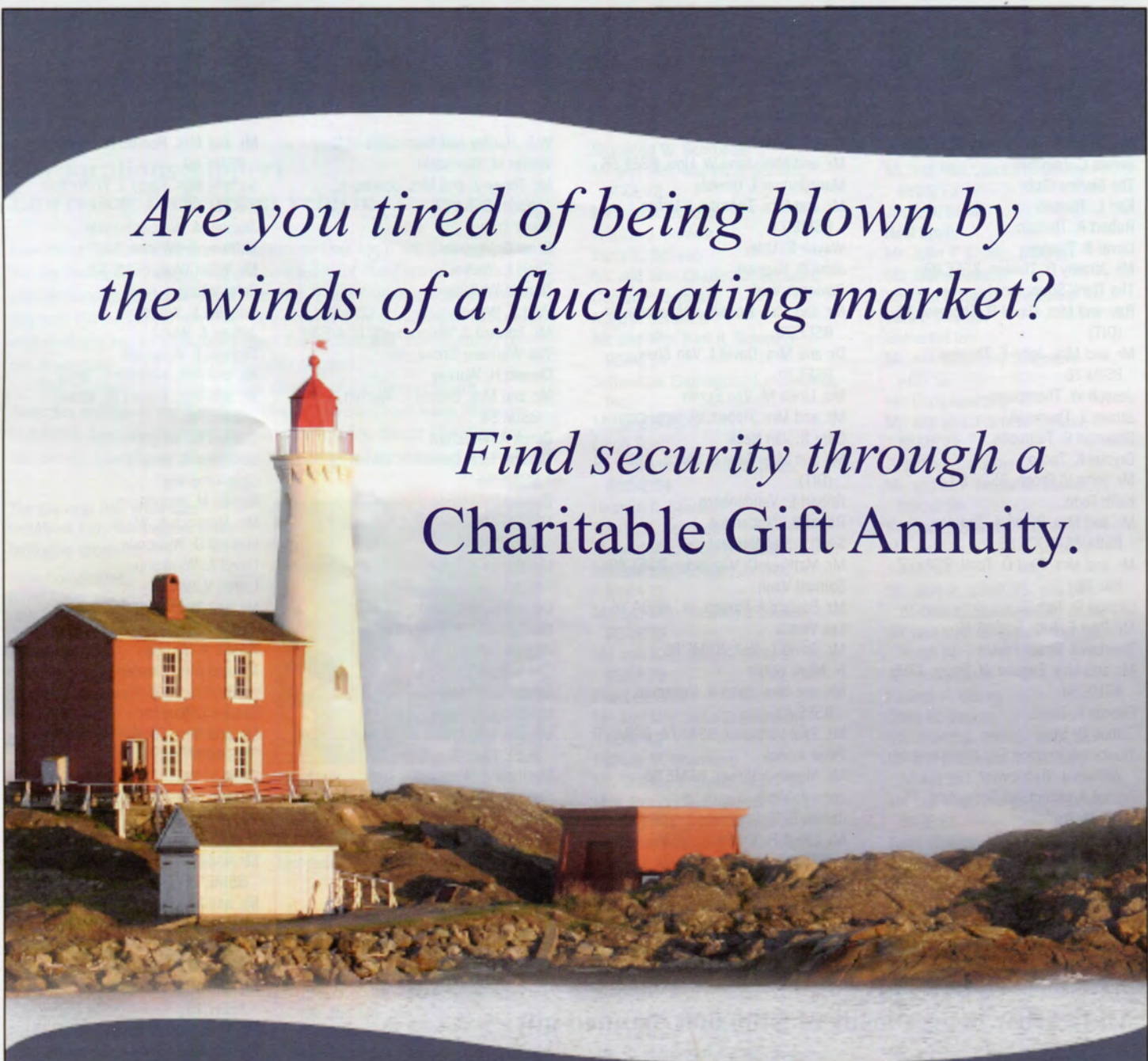
Gorman's Lawrence Tech engineering degree helped further her career in engineering management and product development. She entered the mechanical engineering program as a mid-career professional with a BBA and MBA from the University of Michigan and

15 years of automotive industry experience in finance, marketing, strategic planning, and business consulting. Her employer, Ford Motor Company, gave her a fellowship and two years to pursue a technical degree.

"I was able to design a program that would fit into my 24-month timeframe. This meant carrying a heavy load – often seven classes a term so I could complete three year's worth of courses in two," she said.

Upon returning to Ford in 1997, she held a number of engineering and planning management positions, including chief engineer for the Lincoln Town Car and director of product planning for large SUVs.

Now Gorman is owner of Ann Arbor-based Barton Consulting Services LLC, which specializes in strategic planning and management consulting for both nonprofit and for-profit businesses. ▲



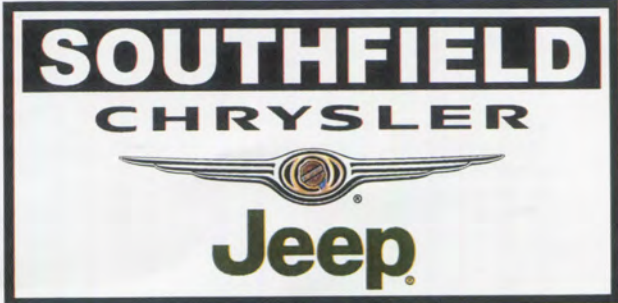
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T H E B A C K P A G E

Hockey team builds school spirit with another strong season

With a nod to building school spirit and enriching campus life, the steady improvement of the Blue Devils hockey team has given students plenty to cheer about.

Saturday night home games at the Southfield Sports Arena this past winter have drawn as many as 500 fans, and Lawrence Tech students clearly enjoy letting off some steam in the stands after a long week of studying while the Blue Devils take care of business on the ice.

“The kids love to play in front of a crowd, and it certainly doesn’t hurt when I’m recruiting. We are very lucky to have our fans – they have been great,” said Head Coach Kevin Gee.

The final home game of the regular season was preceded by one of the most successful fund-raisers in team history, the inaugural “Dine with the Devils” dinner, made possible by Brent Bishop and the Taher food service team at Café Lawrence. The Lawrence Tech hockey players served more than 200 guests, including President Lewis N. Walker.



Head Coach Kevin Gee (L) awards an honorary Blue Devils hockey jersey to Brent Bishop, director of food services at Café Lawrence, at the inaugural “Dine with the Devils” fund-raising dinner.

Lawrence Tech competes in the American College Hockey Association, playing against some of the country’s strongest small hockey programs in the very competitive North regional division. This year the Blue Devils earned the fourth seed in the



Lawrence Tech was represented in the Michigan Collegiate Hockey conference all-star game by (L-R) Ben Sultana, Matt Beck, Richard Parkinson, Dan Baker, Andy Kruczynski and Joe Allen

regional tournament when they approached playoff season with a 15-6 record.

But Coach Gee’s dream of getting to the national championship tournament was thwarted for the second season in a row when injuries and academic probations depleted his roster during the stretch run. His team was knocked out of contention by a 9-7 loss to Delta College, which advanced to the national tournament.

Gee has been able to recruit a strong group of players who have excelled in high school

and junior competition and want to take their hockey careers to the next level. He believes the Blue Devils will be even stronger next season, thanks to the momentum of two successful seasons.

“We won’t be happy until we make it to the national championship tournament every season. We’ll get there, I know it,” Gee said. “I’m going to keep building this program by bringing in kids who want to be successful on the ice and in the classroom.”

Dean of Students Kevin Finn praised Coach Gee for providing hockey players at Lawrence Tech with the opportunity to improve themselves against strong competition. He also sees benefits for the entire student body.

“Rooting for the hockey team helps bring us together as a campus community,” Finn said. “We know that students who feel connected with others through common interests will be happier and more successful here at Lawrence Tech.” ▲EP



Three fraternity brothers from Sigma Phi Epsilon, including one wearing a Lawrence Tech “puck head,” lead a cheer for the Blue Devils at a home game played at the Southfield Sports Arena.