FEATURES

DRIVING FORCES
UM-Dearborn — through alumni and current projects — is driving innovation in the automotive industry.

CRADLE TO CRADLE
The next generation of businesspeople finds that taking environmental factors into consideration comes naturally.

MAIZE + BLUE = GREEN
The campus is an oasis for native plants, animals and insects and the people who study them.

DEPARTMENTS

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A letter from Chancellor Daniel Little

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A picture’s worth at least a dozen words

COVER NOTE Paul Smolarski (’79 B.S., ’06 M.S.) and Don Smolarski (’77 B.S.) are committed to helping the environment. PHOTO BY JOE VAUGHN THIS PAGE An organic community garden on campus is lush with vegetables, fruits and flowers.
Sustainability is broadly defined as a long-term balance between human activities and resources. In recent years, it has also become a call to action. We are increasingly aware that our planet, environment and community are shaped by decisions we make today.

At UM-Dearborn, sustainability is important to our metropolitan mission. Our overarching goal is to make a positive difference in the life, economy and culture of metropolitan Detroit. This means we need to pay attention to the difficult environmental challenges of our industrial society — soil and water contamination, air pollution and its consequences for public health, and land use. It also means we are called to contribute our resources and brainpower to help businesses become more sustainable — and play a role in reinventing and reimagining our state and its economy through research and development of new automotive and other green technologies.

In this issue of Legacy, I invite you to read about the many ways we are meeting the challenge of sustainability. These include conservation efforts within our Environmental Interpretive Center; outreach to community and partnerships with businesses; and strategies not only to make UM-Dearborn a more sustainable campus, but to integrate sustainability into our curriculum. I’m also very proud of the groundbreaking work being done by faculty, students and alumni to advance understanding and create a greener, more sustainable world.

Ian Tran, a senior in Environmental Science, is one example of the growing commitment to sustainability on campus. As a leader of the Student Environmental Association, he has hosted nature tours and meetings to increase campus and community awareness. He is especially passionate about protecting the native wildflowers that grow on campus. He says, “As soon as you understand what you do can make a difference to the ecology, economy or society, it is relatively easy to be convinced that you can change the world.”

With the help of Tran and many others, UM-Dearborn is laying the groundwork today for future generations.

Daniel Little, Chancellor
WHAT’S BLACK AND WHITE AND GREEN ALL OVER?

In this issue, we focus on the many ways that UM-Dearborn is committed to sustainability. There is no better time than now to tell you about some things that we are doing here at Legacy to make the publication more environmentally friendly. Legacy is printed by a Forest Stewardship Council (FSC) certified printer and, starting with this issue, is printed on a 30 percent recycled FSC certified paper. This is important because FSC identifies companies that legally harvest wood, thus supporting the responsible foresting companies linked with manufacturing paper.

In the coming months, we hope to be able to share with you an exciting new interactive platform for Legacy. This will allow us to provide you with additional content and more timely updates as well as the opportunity for you to select to only receive a new digital version of the publication. In the meantime, we have a PDF version of Legacy available.

IN-BOX If you would prefer to receive Legacy via e-mail (rather than the printed version), please e-mail us at legacy@umd.umich.edu. If you have any other ideas on how we can improve Legacy, please let us know.

ON THE POND

WHAT’S HAPPENING, WHAT’S NEW AND WHAT’S WHAT AT UM-DEARBORN

ON THE POND

POWER TO THE PANCAKES

UM-DEARBORN JUNIOR CORY WOOLF is harnessing power from the sun to make maple syrup. A computer-engineering student, Woolf was inspired by geography lecturer Barry Wauldron to take on the project. Recognizing that sap flows best after cold Michigan nights that typically bring sunny morning skies, Woolf determined that solar energy could be used as an alternative energy source in the process.

With funds provided by a UM-Dearborn EverGreen Team micro-loan, Woolf developed a solar parabolic maple syrup pre-heater that efficiently turns raw sugar into syrup. In about five minutes, the portable solar parabolic maple syrup pre-heater can move a barrel of sap from 55 to 100 degrees. The syrup is then transferred to a traditional wood-burning stove to finish the cooking process. Woolf hopes to continue to upgrade the system so that it might eventually handle all of the cooking, thereby reducing the environmental impact of the process.

SWEET SUCCESS
Junior Cory Woolf invented a portable solar parabolic maple syrup pre-heater.

CECS

MIND THE SAP To see the unit in use, visit one of the Environmental Interpretive Center’s annual maple syruping activities this winter or check out the clip on YouTube at youtube.com/watch?v=Pg9kYuoGFy4.
IN THE SPOTLIGHT  

EDWARD A. SILVER NAMED DEAN OF THE SCHOOL OF EDUCATION

EDWARD A. SILVER joined the School of Education at UM-Dearborn as dean in July 2010. Prior to joining the Dearborn campus, Silver served as the William A. Brownwell Collegiate Professor of Education at U-M, where he was chair of the Educational Studies Program and associate dean for academic affairs.

“I am deeply committed to the University of Michigan, and I am excited by this new opportunity to contribute to the University through my position at UM-Dearborn. The University has a tradition of working to make real change in southeastern Michigan through education,” says Silver. “I look forward to strengthening partnerships with area community groups and school districts and beginning a new relationship with our main campus in Ann Arbor.”

Silver’s particular expertise and interest in mathematics education will complement UM-Dearborn’s Center for Mathematics Education, which has helped hundreds of teachers deepen their understanding of math and how best to teach it.

Prior to joining U-M in 2000, Silver held faculty positions at the University of Pittsburgh, San Diego State University and Northern Illinois University. Before that, he was a teacher for several years in New York State.

Silver earned his master’s degree and Ed.D. in mathematics education from Teachers College, Columbia University.

BLOG ROLL For current SOE news, check out the dean’s blog at see-updates.blogspot.com.

EVERGREEN TEAM

In 2007, a group of UM-Dearborn students, faculty and staff formed the EverGreen Team to take on sustainability issues on campus. The cross-disciplinary team has brought several successful projects to campus, including water bottle refill stations and campus recycling programs. The group also sponsored Sustainability Week, which introduced the Sustainable Seeds awards — micro-grants for innovative student projects, many of which are profiled in this issue of Legacy.

TURN GREEN The EverGreen Team is always looking for members who are committed to improving the University’s triple bottom line — our people, profit and planet. If you would like to become involved, please contact us at legacy@umd.umich.edu.

metropolitan impact

EARTH BOUND

COMMUNITY MEMBERS AND STUDENTS OF ALL AGES are using MiEarth.org as their interactive tool of choice for research and communicating trends in environmental work throughout the state. Launched in 2008, MiEarth.org is a collaboration between UM-Dearborn and Detroit Public Television. It was designed to identify great environmental work in Michigan, educate people about what they can do and inspire them to take action.

Since its launch, students at UM-Dearborn, Henry Ford Academy and various high schools in the area have used the site for environmental research and have posted videos about their thoughts on the environment in categories including: Green Team (environmental heroes), Green Communities (what local governments are doing), Green Inc. (companies that are helping the environment), My View (the challenges and solutions you see) and For Kids (educational videos). Content on MiEarth.org changes often, so the next time you are looking for environmental news or you want to express an opinion about the state of our planet, check it out.

MiEarth.org
IN THE SUMMER OF 1997, BELINDA LAZARUS, PROFESSOR IN UM-DEARBORN’S SCHOOL OF EDUCATION, had an idea that introduced online education to the University. After participating in an online course about developing online education programs, Lazarus developed a model based on principles of effective instruction that is still used today. She began assessing student interest, testing course structure and offering initial courses, and was met with overwhelming demand and positive response. Working with Kim Killu, associate professor, School of Education, the online Master of Education in Special Education Inclusion Specialist certificate program was introduced in 2000.

“In 2000, we were looking for innovative ways to take existing courses and programs and combine them to develop programs that would appeal to new audiences,” says Lazarus, who serves as coordinator of the program. “This cutting-edge certificate program continues to provide highly-desirable information to students around the world that they may not otherwise have access to.”

The online program, the first of its kind in the country, does not offer teacher certification, allowing the School of Education to reach students worldwide. The program requires 10 three-credit-hour courses and is for professionals who wish to learn how to identify, teach and manage students with disabilities in the general education and community settings. Since 2000, more than 500 students in 25 countries — including Colombia, Japan, Indonesia, Canada, Lebanon, Venezuela, India, Turkey, Korea and Norway — and in 42 states have earned the degree.

Students are interested in the program for a variety of reasons. Nour Alqassab from Saudi Arabia graduated from the program in ’04 and found its flexibility fit nicely into his work and personal life. Alqassab says the program appeals to a variety of professionals and it “gave me an in-depth view about special education and helped me to apply it in the general sense.”
Lazarus and Killu continue to work hard to ensure that students in the Special Education Inclusion Specialist certificate program don’t feel isolated, because they don’t meet in person. Many students still feel a connection to UM-Dearborn and often come to campus for the first time for their graduation ceremony.

Laurie Halvorson Cairns of Victoria, Canada, graduated in 2004 and was one of those students. She says that graduation was almost a “surreal experience.” “Despite having met neither the professors nor the students, we had built bonds. It is amazing how much of one’s personality shines through via choice of topics and turns of phrases. We met for dinner and we had plenty to talk about.”

Cairns, who serves as vice principal of École Doncaster Elementary school in Victoria, originally chose the program hoping to become an effective support and advocate for her own children and other students with learning disabilities. “The online program allowed me to move from coast to coast and from country to country, all while completing the stimulating coursework. The things I learned in the program have helped me in my work to make life easier for children and families with special needs.”

ALUMNI DIFFERENCE MAKERS

FOR MORE THAN 30 YEARS, UM-DEARBORN has honored outstanding alumni for their contributions to the University and community. These men and women are “difference makers” who have continued the University’s legacy of leadership in their lives and careers. A selection committee of alumni, faculty, staff and students went through a rigorous process to review all the outstanding nominations and select this year’s award recipients.

The 2010 Alumni Difference Makers are:
- Distinguished Alumnus of the Year — ISMAEL AHMED (’75 A.B., ’09 H.L.L.D.)
- Jeanette Schumacher Alumni Service Award — JOSEPH LARUSSA (’99 B.S.E.E.E., ’03 M.S.E., M.S.)
- Young Alumnus of the Year — CHRISTY BAAS (’01 B.A.) and LEDIAN DIBRA (’08 B.S.E.E.E, B.S.E.C.O.)
- College of Arts, Sciences, and Letters Alumnus of the Year — ANTHONY VISCOGLOSI (’84 B.A.)
- College of Business Alumnus of the Year — RICARDO KISNER (’74 B.S.A.)
- College of Engineering and Computer Science Alumnus of the Year — JANET HALL (’68 B.S.E.E.E, ’90 M.B.A.)
- School of Education Alumnus of the Year — TONI SIMOVSKI (’97 B.A., ’01 M.A.)

The 2010 Alumni Difference Makers were honored at an awards ceremony on October 15 attended by friends, family, fellow alumni and members of the UM-Dearborn community in the IAVS building.

WHAT A DIFFERENCE To read more about the Alumni Difference Makers and see photos from the celebration, visit umd.umich.edu/alumniawards.
SAY (WINE AND) CHEESE  The College of Business Alumni Affiliate had a great wine-tasting event at Andiamo Dearborn on July 15. More than 50 COB alumni and friends reconnected and networked during the event, which generated funds for student scholarships.

FABULOUS AT 40  Alumni and faculty members of UM-Dearborn’s Business Administration class of 1970 gathered at Weber’s Inn, Ann Arbor, from across the county for their 40-year reunion on Sept. 17. The group enjoyed reminiscing about their time on campus and talking to Dean Kim Schatzel about future plans for UM-Dearborn’s College of Business. Photographic memories were displayed of dinner dances, Alpha Kappa Psi fraternity meetings, campus activities, the 1970 Rose Bowl trip and graduation ceremonies, which took place at Ford Motor Company World Headquarters. This group has stayed very connected since graduation, hosting reunions every five years.

SCHOLARSHIP  The CASL Alumni Affiliate hosted its 14th annual scholarship celebration reception Sept. 9. The six CASL student scholarship recipients and their families and friends enjoyed the evening by celebrating with staff, faculty and alumni. Since it was started in 1995, the CASL Alumni Affiliate Scholarship has helped more than 65 students reach their goal of academic excellence.

GO BLUE!  UM-Dearborn alumni have been having a great time cheering on the U-M football team this year in the new and improved Big House. Send us your pictures as you cheer Go Blue! We will try to publish them in a future issue or in our photo albums on Facebook and Flickr.

GET TAGGED  View photo albums from UM-Dearborn alumni events on Facebook and Flickr.
More than 170 UM-Dearborn alumni have been interviewed over the past year in an effort to capture their memories of the University. Alumni from 1963–2009 sat down to discuss a variety of items with students and alumni for the Oral History Project, including significant people or events that impacted their time at UM-Dearborn, how UM-Dearborn fit into their careers and life experiences, and memories of their favorite professors.

YOU MUST REMEMBER THIS If you are interested in participating in the project, please contact the UM-Dearborn Alumni Relations Office at 313-593-5131 or umdalumni@umd.umich.edu.

### WHAT ARE SOME MEMORIES OF YOUR FAVORITE PROFESSOR?

<table>
<thead>
<tr>
<th>Dr. Calvin DeWitt</th>
<th>Dr. Michael Akiyama brought a global perspective to some of the psychology programs and really opened up the world to his students.</th>
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<tbody>
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<td><strong>encouraged curiosity, and could ignite an interest in learning in a brick. He was a charismatic, special person whose eyes would light up when he was helping students.</strong></td>
<td><strong>CHARISSE F. GENCYUZ, M.D., ‘90 B.S.</strong></td>
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<tr>
<th>Jim Vella served as a corporate lecturer in a class and brought real-world experience while challenging us. With him as an instructor, we knew our degree would matter.</th>
<th>Professor Troy Murphy encouraged students to be involved in their community and served as a great role model by participating in projects with us.</th>
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<tr>
<td><strong>VINCENT D. LAPORTE, M.D., ‘67 B.S.</strong></td>
<td><strong>TONI BUZZE0, ‘76 B.A.</strong></td>
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<th>Dr. Cloyzelle (Cal) Jones was a professor to the tee and the most influential person I met at UM-Dearborn.</th>
<th>Dr. Richard Czarnecki, Dr. William Culp and Dr. Cedric Fricke were standouts for their passion for education and teaching that really sticks with you.</th>
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<td><strong>DENNIS DAVIS, ‘75 B.A.</strong></td>
<td><strong>J. TERRY MCELROY, ‘76 B.B.A.</strong></td>
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<th>With professor Richard Potts, the component of student/teacher respect was so cool.</th>
<th>Memory Banks We’ve noticed that UM-Dearborn alumni have special memories of faculty members. What are some of yours? E-mail us at <a href="mailto:legacy@umd.umich.edu">legacy@umd.umich.edu</a>.</th>
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<tr>
<td><strong>MICHAEL BOUSAMRA II, M.D.,’81 B.S.</strong></td>
<td><strong>JASON DAVIS, ‘09 B.A.</strong></td>
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TOMORROW'S CARS ARE BEING DEVELOPED TODAY AT
PLUG ME IN UM-Dearborn's Institute for Advanced Vehicle Systems is a wheel-shaped building housing academic offices, classrooms and labs that overlook a vast shop floor where faculty and students work together on shaping the vehicles of the future.
The automotive industry may but it isn’t out.

In fact, those who work in the connected fields of automotive and energy innovation are charged up about the future.

At UM-Dearborn and throughout the state, research being conducted in partnership with automotive companies is redefining what and how we drive — now and in the years ahead. The U.S. government’s investment of $2.4 billion to speed up the manufacturing and deployment of hybrid electric vehicles and new-generation batteries has also given Michigan’s largest industry a boost.

“Despite the hype, this is not the end of the car as we know it,” says Mary Ann Wright (’84 B.A., ’96 M.S.E.), vice president of Global Technology and Innovation for Johnson Controls Power Solutions, a leading Tier One automotive supplier that received federal matching funds to build a new battery plant in Holland, Mich. “The automotive world has changed in terms of global competition and shifting customer and regulatory demands. But the auto companies and suppliers are picking up the pace to be successful — and even five years from now, the industry and its products will look different than they do today.”

“The auto companies and suppliers are picking up the pace to be successful — and even five years from now, the industry and its products will look different than they do today.”

—MARY ANN WRIGHT

**The Future of the Auto Begins Here**

Faculty and alumni who are working on the cutting edges of science and auto innovation say that the work being done now at UM-Dearborn and elsewhere is helping push the industry toward a more sustainable and electrified future. As a leading center of automotive research, UM-Dearborn is revved and ready to play a major role, says Subrata Sengupta, dean of the College of Engineering and Computer Science (CECS).

“Michigan is transforming itself,” says Sengupta. “There is a great deal of interest in addressing how the auto industry will move forward with other forms of energy like electricity. UM-Dearborn and CECS are in a position to make a contribution that can have an impact on the industry and on metro Detroit.”

Numerous projects that represent a joint effort between the University, corporations and government are currently under way, including:

- Chris Mi, associate professor, secured a $2.2 million grant from Chrysler to develop battery management, vehicle controls and power electrical systems for the Dodge Ram pick-up plug-in hybrid electric vehicle. Mi also has a three-year contract with the U.S. Department of Energy to create a vehicle electrification curriculum for engineering students and working engineers.

- Keshav Varde, professor of mechanical engineering and associate dean of CECS, is working on three energy-related projects to study better engine fuel and powertrain systems, with support from the U.S. Department of Energy, the state of Michigan, the Henry W. Patton Center for Engineering Education and Practice and the National Science Foundation.
Dearborn native and UM-Dearborn graduate Mary Ann Wright is an automotive innovator with an impressive track record.

In 2005, Wright was chief engineer on the industry’s first full hybrid SUV, the Ford Escape, and led the launch of Ford’s hydrogen-powered fuel-cell fleet program. After serving as a Ford director, she moved to Collins & Aiken as the executive vice president of engineering, product development, commercial and program management.

She’s now leading the charge as a vice president at Johnson Controls Power Solutions, a top global provider of hybrid battery systems, heading execution of the $300 million U.S. Department of Energy stimulus matching grant program, which seeks to create a domestic advanced battery industry. This includes the launch of a Johnson Controls-Saft battery plant in Holland, Mich., this month.

“Michigan’s economy has been built around a traditional automotive business model. However, the shifts in the global competitive environment, economic challenges and regulatory climate mandated the need and opportunity to diversify,” she says. Johnson Controls has made a significant commitment not only to expand manufacturing from Europe to Michigan but to look at the whole electrification value chain for opportunity and get it up and running. Michigan is positioning itself to become a domestic leader in a new clean energy and technology economy.”

Wright holds an M.B.A. from Wayne State University. She has been named to Automotive News’ “100 Leading Women of the Automotive Industry” and The Wall Street Journal’s “50 Women to Watch.”

ALUMNI WHO ARE MAKING THEIR MARK ON THE FUTURE OF THE AUTOMOTIVE INDUSTRY

Mary Ann Wright, ’84 B.A., ’96 M.S.E. Vice President, Global Technology and Innovation, Johnson Controls Power Solutions

Turning the Wheel

Much of this leading edge research is being done at UM-Dearborn’s Institute for Advanced Vehicle Systems (IAVS) building, a wheel-shaped facility housing academic offices, classrooms and labs that overlook a vast shop floor where faculty and students work together on shaping the cars and trucks of the future.

The IAVS, which operates within CECS, has focused on systems related to the design, development and manufacturing of complex vehicles since it opened in 2006. During a recent visit, several vehicles were in various stages of assembly.
Chemistry alumnus Don Smolenski has devoted his career to reducing the use of oil at General Motors plants and by GM vehicles. His work has led to cutting-edge research and development in the field of engine oil and lubricants management.

In the mid-'80s, Smolenski and Shirley Schwartz (a U-M alumna) developed the algorithms that track a vehicle's oil-use history, cuing the customer when an oil change is needed. By the mid-'90s, their oil-life monitor was standard in most vehicles. GM estimates that if all drivers of its U.S. vehicles followed the monitor's recommendations, the number of oil changes would be greatly reduced and would save more than 100 million gallons of oil each year. Their invention won the Kettering Award, GM's highest technical honor.

Smolenski also led a more recent campaign to reduce manufacturing oil use by implementing a series of health, safety and performance specifications for all major industrial fluids. Factories use a significant amount of oil (much less than before), he says — but now, the oil at U.S. and Canadian GM plants is at least 50 percent recycled, leading to $3.3 million in annual savings.

"I knew we had made inroads, but I was astounded at how persuasive the evidence was," he says. "By 2008, we had some major plants using 70 percent recycled oil."

Smolenski, who also has a Ph.D. in chemical engineering from Wayne State University, met his wife Paula Smolenski ('79 B.S., '06 M.S.) at UM-Dearborn. Paula, pictured with Don, also has had a lifelong interest in the natural sciences. She works as a quality control specialist with the American Red Cross National Blood Testing Laboratory (NTL) in Detroit.

There are only five NTLs in the country. The NTLs conduct all typing, viral testing and HIV screening of blood collected by the Red Cross. Paula's role is to review reports generated by the laboratories for accuracy and completeness, and electronically send test results to their customers, which are typically hospitals that use the blood.
According to Lee, his job is all about creating high-quality, cost-effective car and truck engines that will please customers, address environmental concerns and meet increasingly-stringent government regulations, which are at times contradictory demands for automakers. While the automotive market will have more hybrids and other electric vehicles, including plug-ins, in the future, current engine technology will continue to evolve. “Gasoline and diesel engines are far from dead,” Lee says. “With ongoing investments in gasoline engine technology, Chrysler engines will continue to be vastly improved in years to come.” Technology will also continue to play a key role and provide more opportunities. “We will make better engines. The real challenge will be to build engines that are cost-effective and provide the best benefits for people, the planet and ourselves,” Lee says.

In addition to his UM-Dearborn degree, he also holds a B.S.M.E. from Ohio State University and an M.B.A. from Michigan State University. Lee is a pilot with interests in historic aircraft — one reason Chrysler uses military designations as code names for engine programs.

Robert Lee earned his master’s degree from UM-Dearborn through a work-study program while he was an engineer-in-training at Chrysler. Today, as a company vice president, he directs the design, development and release of all engines and electrified propulsion systems. Additionally, he oversees work on the development of advanced powertrains and is known throughout the automotive industry for leading the rebirth of the HEMI V8 engine — one of Chrysler’s most powerful icons.

Charles Cameron, ‘77 B.S.
Head of Research and Technology for Refining and Marketing, BP

In his current position with global giant BP, he is responsible for the strategy of the teams of chemists, physicists and engineers who are developing new technologies, including improved fuels and lubricants for the generation of downsized engines, and fuels from unconventional feedstocks such as forestry waste.

Cameron has a long career as a scientist and leader in the international petroleum industry. After graduating from UM-Dearborn with a degree in chemistry and earning his Ph.D. at Purdue University, he completed post-doctoral work at Queen’s University in Ontario, Canada, and was granted a National Science Foundation International Exchange Fellowship. After 18 months in France’s CNRS, he joined the French Institute of Petroleum in 1986 and carried out original research in the field of selective hydrogenation catalysis of petrochemical and refining streams. This led to an executive position at Axens, an international provider of technologies, products and services to the refining and petrochemical industries.

He made the move to BP in 2009. A large part of his job, he says, is anticipating what is coming next from a rapidly changing automotive industry. BP works heavily with Ford Motor Company developing future lubricants for its new engines. Now a London resident after 24 years in Paris, he recently returned to Dearborn to visit with family and friends.

“We have to know what is coming at least five years before a vehicle or new fuel specification actually comes to market,” he says. “We develop the lubricants and fuels that can work with new engine technologies so that when a product is ready, we have the right product in place to help the engine run efficiently.”

“Never did I imagine that my time at UM-Dearborn would lead me to three different countries, carrying out research in a foreign language [French], and then becoming an executive and the head of technology in the refining and marketing segment of one of the world’s largest energy companies. There are no limits to where an education at UM-Dearborn can take you!”

Robert Lee, ‘80 M.S.E.
Vice President, Engine and Electrified Propulsion Systems, Chrysler Group

Robert Lee, vice president of engine and electrified propulsion systems for Chrysler, has worked closely with UM-Dearborn and CECS through the federal grant that is funding research into its hybrid truck. He says the partnership between business and the campus community is essential as the industry attempts to reinvent its products for the future.

“The vehicles of the future are already out there, in labs at our automotive companies and at partner universities,” says Lee. “There are many advancements going on, and academic researchers typically are the ones who are more aware than the practicing engineers of all the new possibilities. It will be an increasingly common practice for us to reach out to universities like UM-Dearborn and band together on joint programs that will have an impact on our industry and economy.”

and disassembly, including an early model SUV that faculty and students are transforming into an electric vehicle.

The space is also used by the UM-Dearborn Formula SAE (FSAE) team to build its vehicles. After placing eighth out of 120 national teams at the FSAE Michigan event in May, the group is now focused on creating a zero-emissions vehicle for possible future international competition.

“We are in the business of providing knowledge for our students, but also for our partners in the auto companies,” says Roger Schulze, director of IAVS, who came to UM-Dearborn from Chrysler.

“We have set ourselves up as a provider of very practical research. Our goal is to work together to produce results that we will eventually see on the road.”

The IAVS is in the middle of a two-year focus on transportation electrification, he says. The three projects already completed and four under way provide a real-world focus for relevant electrification research.

Essential Partnerships

Robert Lee (’80 M.S.E.), vice president of engine and electrified propulsion
WHAT IS THE VALUE OF SUSTAINABILITY TO BUSINESSES AND COMMUNITIES? What role do colleges and universities play in supporting sustainability? These are some of the questions the College of Business (COB) will tackle as part of a year-long exploration into the business of sustainability. Through classes and seminars, academic research and community outreach, the College is advancing the understanding of sustainable business practices that are economically robust and socially sound.

“Many executives think they need to choose between the positive societal impact provided by sustainable products or processes and the added costs of their development. They are simply wrong,” says Kim Schatzel, dean, COB. “There is a fast growing body of research that demonstrates that the quest for sustainability will drive organizational and technological innovation like the quest for quality did in the 1980s. As a leading college of business that focuses on innovation, this was a natural for us. As an academic business enterprise, it is our responsibility to help businesses in their quest for sustainability, as it will change what products they make, how they make them and, ultimately, determine if their businesses remain competitive.”

Riding the Mega-trend
Throughout the past decade, sustainability has emerged as a “business mega-trend,” according to environmental policy experts David A. Lubin and Daniel C. Esty, who wrote about the topic in the May 2010 issue of the Harvard Business Review.

A number of converging factors have fueled the trend, they argue: environmental issues that have steadily encroached on business’s capacity to create value for customers, shareholders and other stakeholders; globalized workforces and supply chains that have created environmental pressures and business liabilities; and the rise of new world powers, notably China and India, which has intensified competition for natural resources.

These forces have been magnified by escalating governmental and public concerns about climate change, industrial pollution, food safety and natural resource depletion, write Lubin and Esty. Governments are intervening with unprecedented levels of new regulation.

At the same time, increasing numbers of consumers in many countries are seeking out sustainable products and services or leaning on companies to improve their own sustainability — and some companies have responded by embracing a “cradle-to-cradle” process that takes environmental factors into consideration at the earliest possible stages of product design and development.

A Sharper Focus
None of these lessons is totally new to the COB or its students, however. Schatzel says the College is already well-regarded for educating socially responsible businesspeople who have a deep understanding of the nexus between business, environment and community.

For the past four years, iLabs, the University’s Center for Innovation Research, has united students and faculty to examine how entrepreneurs, businesses and institutions innovate and impact the economy. A major focus is on working with community partners to stabilize neighborhoods. Recently, iLabs developed a business strategy for a Detroit nonprofit organization that plans to transform 2,000 blighted inner-city acres into urban farming centers.

And this year, the COB chapter of Students in Free Enterprise (SIFE) was rated among the top 20 SIFE groups in the nation for working with area businesses and nonprofits to create 25 projects that used business concepts to impact more than 5,000 people in metro Detroit. SIFE’s award-winning projects included the Reduce/Reuse/Recycle Series, which taught students and staff at Young Detroit Builders, a local nonprofit, about the importance of environmental awareness.

The intensified effort to integrate sustainability throughout the business school curriculum represents a new and sharper focus, and gives the COB an important local role in the global conversation about businesses in our post-industrial society.

“Businesses really have a tremendous impact on communities, and we want to help encourage them to have a positive impact as much as possible,” says Tim Davis, director of iLabs. “We are seeing a shift in the marketplace toward sustainability, and we are also seeing that shift in students. This younger generation recognizes that the world is eventually theirs to have, and businesses need to be thoughtful about their impact on it.”

Seeds of Change
The seed for the COB’s new sustainability effort was planted by Edward Elliott (’67 B.B.A.), who made a significant gift to the College in honor of his late wife Betty Elliott (’67 B.B.A.). The Betty F. Elliott Initiative for
Academic Excellence will tackle one regional, national or international issue per year, with each year building on knowledge gained from the last. Sustainability was chosen as the inaugural topic.

The Elliott Initiative is led by a seven-member, boundary-spanning committee that includes faculty members from COB, the College of Engineering and Computer Science (CECS) and the College of Arts, Sciences, and Letters (CASL). Activities during this academic year will include:

**THE ELLIOTT SEMINAR** is a three-credit course on sustainability for undergraduate business students. Beginning winter 2011, it will be taught by a cross-disciplinary team of professors, focusing on topics as varied as green marketing and supply chain management to conservation and facilities management.

“When there are concerns about unethical or irresponsible behavior in business, sometimes people will point fingers at business schools and say that we haven’t prepared our students well enough for working in the world,” says Barbara Klein, an associate professor of information technology management who will lead a segment on green IT issues.

“Employers want universities to sensitize students to the notion that they must be ethical and socially responsible leaders within their organization. Students in this course will explore very real business dilemmas.”

**SUSTAINABILITY WEEK ON THE UM-DEARBORN CAMPUS** was held October 18–22 and highlighted a number of sustainability projects. COB SIFE students led the effort, which celebrated sustainable industries and identified trends to watch. The UM-Dearborn community participated in presentations on topics including green energy, methods to reduce carbon footprints and urban farming. Other activities included campus-wide recycling projects, a canned-food drive and efforts to reduce the campus’s environmental impact.

**THE BETTY F. ELLIOTT LECTURE SERIES ON BUSINESS AND THE FUTURE** is a series of three forums on sustainability that will bring prominent experts from industry, government and academia together at UM-Dearborn to explore this important topic for business. (See related story below.)

**ELLIOTT RESEARCH GRANTS FOR THE STUDY OF SUSTAINABILITY** provide support for one iLabs project and one faculty research project focused on sustainability. Two external research awards have already been announced: Lucy Atkinson, assistant professor in the Department of Advertising at the University of Texas at Austin, will use the award to study consumer trust and attitudes about purchasing sustainable products; Dwayne D. Cole, a doctoral student in marketing/supply chain management at the Martin J. Whitman School of Management at Syracuse University, will be investigating how firms can implement effective and efficient product acquisition incentives, and how those incentives affect the flow and the quality of end-of-use returns, as well as profitability.

As part of the award, the research faculty will travel to the COB and present their findings as part of a research colloquium on sustainability. This external research will allow UM-Dearborn’s COB to increase the impact of the Elliott Initiative.

**Green Building**

These programs are designed to build “intentionally and strategically” upon the COB’s foundation of businessesphere relationships and engaged alumni, says Charu Chandra, a professor of Operations Management who chairs the Elliott Initiative project committee.

“We have a responsibility as educators to give our students frameworks for how to deal with these emerging issues surrounding sustainability, so that when they become business leaders they have tested these concepts in their minds,” says Chandra. “As a metropolitan university, it is part of our mission to advance important leading-edge work such as this.”

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**THE ELLIOTT LECTURE SERIES**

National and international experts from business, media, government and academia will discuss trends impacting business and our planet at the Betty F. Elliott Lecture Series on Business and the Future.

The series is offered through the Betty F. Elliott Initiative for Academic Excellence, which is supporting research, events and courses throughout this school year that address the issue of business sustainability. The public is invited to all sessions.

The first session, Sustainability in Manufacturing, was held in October. Upcoming sessions include:

**SUSTAINABILITY IN HEALTH CARE MANAGEMENT**

Tues., Feb. 8, 2011; 7:30-10 a.m.
Quad E, Fairlane Center North

This session will explore how health care providers are adapting to the impact of sustainability in the design and delivery of their services. The forum will look at best practices, standards and initiatives launched by the industry to achieve sustainability. The implications of the recently adopted health care reform bill by the U.S. Congress on sustainability-related issues will also be analyzed by the panel.

**STUDENTS ON SUSTAINABILITY**

Tues., March 29, 2011
This will be a COB student-led group effort. Additional details will be announced later in the semester.

**TAKE THE INITIATIVE** For more information about these and other Elliott Initiative programs and events, please visit cob.umd.umich.edu.
green TEAM

ALUMNI WORKING IN SUSTAINABILITY

Throughout this issue of Legacy we are highlighting the work of UM-Dearborn alumni who are working on the leading edge of sustainability, focused on developing greener products or championing environmental causes in their communities. Here are some more alumni that are making a difference:

ROGER KEMP (’03 B.B.A., ’05 M.S.A.C.C.) As an M.B.A. student at Michigan State University, Kempa analyzed Gen Y sentiments about sustainable automobiles and created advisory deliverables on how to create sustainable products and marketing messages for this group. Kempa is currently working at Ford Motor Company, where he hopes to bring some of this insight to market.

MARY BOHLING (’96 B.G.S., ’04 M.S.) Bohling has been working on environmental issues in southeast Michigan for the last 10 years, including championing greenways and water trails by co-chairing the Downriver Linked Greenways Initiative. Bohling co-founded the International Wildlife Refuge Alliance to support the Detroit River International Wildlife Refuge, was a featured speaker at the 2005 White House Conference on Cooperative Conservation, and led the development of the Byways to Flyways Bird Driving Tour brochure for southeast Michigan and southwest Ontario. Bohling is currently doing an assessment of Detroit River habitat restoration projects as southeast Michigan extension educator for Michigan Sea Grant.

DAVID SHERMAN (’06 B.S.E.M.E.) Sherman is working on the Fisker Automotive team developing the Karma Roadster, an extended-range electric vehicle that provides long-distance driving on battery power and an on-board generator once the battery is depleted.

WALTER MARUSZCZAK (’78 B.S.) Maruszczak works as business development manager for North America at DIC Corporation, successfully targeting steel and aluminum components for replacement with engineering polymers for weight reduction, improved fuel economy, reduced carbon footprint and recyclability in vehicle powertrain applications. Maruszczak’s work is driving the replacement of environmentally costly materials that have been used for decades.

SYED SHARIQ ALI (’07 B.S.E.M.E.) Focusing on sustainability efforts with buildings, primarily energy and water conservation as well as material reuse, Ali has spent the last 18 months modeling energy conservation measures in a 1.3-million-square-foot hospital complex to be built in New Orleans, implementing strategies to reduce the energy consumption by nearly 30 percent in the facility. In addition to energy modeling and analysis, he has developed a workflow to translate between industry standard tools to save tremendous amounts of time in creating energy models for large facilities.

DAWN D. NEW-ECHLIN (’97 B.A.) New-Echlin co-owns Eco-Logic Lawn and Landscape LLC, a 100-percent organic lawn and landscape care company. Eco-Logic uses all natural products and educates clients on the benefits of going “chemical-free” on their lawns and landscapes.

HENRY HOJNACKI (’81 B.S.E.M.E.) Currently development manager for The Woodbridge Group, Hojnacki is working on lightweight automotive seating concepts. Advanced designs using Woodbridge’s StructureLite® technology are showing weight savings of 30–45 percent over traditional designs, resulting in better gas mileage and lower CO₂ emissions.

KURT OSBORNE (’02 M.S.E.) As the fuel cell control systems technical expert in the Fuel Cell System Research Department at Ford Motor Company, Osborne focuses on the design and implementation of fuel cell control system applications. He was awarded the Henry Ford Technology Award for his contributions to the design of the P2000 Fuel Cell Vehicle, which is the world’s first full-size, full-performance passenger car powered by fuel cells.

The University’s focus on sustainability is an important investment in the future of our community, says Michael Porter (’75 B.B.A.), vice president of corporate communications for DTE Energy and a member of the COB board of advisors.

“Businesses didn’t set out 100 years ago to do bad things to the environment. But they didn’t have a full appreciation of the costs and consequences of their decisions,” says Porter. “We know and understand a lot more today than we did 100 years ago. It is important that colleges engage in those kinds of robust discussions about the trade-offs of various policy alternatives.

“Colleges need to bring us people who are well-informed about the world around them,” he adds. “It is important that colleges like UM-Dearborn prepare students well, and give them the tools to think critically, to analyze data well and make good judgments.”
MAIZE + BLUE = GREEN

THE CAMPUS CONNECTION TO NATURE
IN THE MIDST OF METRO DETROIT’S Gritty Urban Sprawl is a 300-acre oasis of green. UM-Dearborn is surrounded by Natural Areas which are habitats to hundreds of native plants, animals and insects. The lush grounds form a haven for migrating birds and serve as an open-air classroom for thousands of nature-loving children, students and community members.

Many of the education, research and enrichment programs inspired here — organic gardening, rainwater conservation, composting and native planting, to name a few — serve as models for sustainable living in an urban environment.

“The UM-Dearborn campus and its Natural Areas are very unique in southeast Michigan,” says David Norwood (‘89 CASL), who serves as sustainability coordinator for the city of Dearborn. As a student, he took biology classes in the Natural Areas. Now he strolls through them with his children.

“Nearby you have Ford Motor Company, an icon of manufacturing. But when you are walking through the campus you might as well be in northern Michigan,” he says. “This incredibly diverse space is a true asset to our area and essential to preserving and understanding our native ecosystems.”

A Centered Approach

The UM-Dearborn Natural Areas were part of the gift of land from Ford Motor Company that created the campus in 1959. (Additional property, added more recently, is owned by Wayne County but maintained by UM-Dearborn under a long-term stewardship agreement.) The vast acreage includes meadows, grasslands, a mature American beech and sugar maple forest, and parts of the Rouge River watershed.

Biology Professor Orin Gelderloos began teaching his classes in this outdoor laboratory in 1970. Inspired by the natural beauty and potential of the site,
he began taking local schoolchildren and community members on guided nature tours.

Throughout the next three decades, interest in the Natural Areas blossomed, and in 2001, the 13,000-square-foot Environmental Interpretive Center (EIC) was built at the entrance to the Natural Areas on the west side of campus.

Let it Rain
Current EIC Director David Susko, associate professor of biology, says that the EIC and Natural Areas teach us all how to live in harmony with nature. The EIC itself is a “passive construction” building, designed for maximum human comfort with low environmental impact. In addition to its classrooms and labs, it is home to the Rouge River Bird Observatory, one of the nation’s few urban bird research stations. (See related story on page 25.)

Surrounding the EIC are two rain gardens blossoming with native flowers, thanks to a roof design that diverts rainwater into the grounds rather than into local sewers, lakes and rivers. One inch of rainfall yields thousands of gallons of water for the deeply rooted perennials that thrive there.

“This is what our native gardens look like,” says Susko, pointing out a Monarch butterfly landing in a cluster of Brown-Eyed Susans. “There are complex relationships between species. If you encourage native plants, you encourage native wildlife, and that revitalizes the entire area.”

Within several feet of the EIC is one of the Center’s newest projects — a garden that uses local hardwood trees as incubators for growing mushrooms. (See related article on opposite page.)

Little at the EIC goes to waste. Even the staff’s kitchen scraps are fed to worms whose nutrient-rich waste is then used as compost.

“We are trying to be an example of the true mission of sustainability — to utilize resources we have now to meet the needs of the present generation without compromising the ability of future generations to do the same thing,” Susko says.

The UM-Dearborn Student Environmental Association (SEA) has even found a way to reuse seeds from rain garden flowers. Supported by a micro-grant from the EverGreen Team, a sustainability-focused committee of staff and students, SEA members harvested and packaged seeds for sale. The Museum of Contemporary Art Detroit purchased some of the packets to make “native seed bombs” for children to toss into abandoned lots and blighted areas.

“Every time we sell a packet of native seeds we encourage the buyer to share them with their neighbors,” says Ian Tran, president of the SEA and a senior in environmental science.

Digging It
As part of its outreach efforts, the EIC also oversees the campus's popular organic gardens, which are located nearby and span a full acre. The gardens are maintained by dozens of community members, many of whom wait for several years to get access to a plot. In addition to vegetable plots, there are theme gardens and a handicap-accessible garden.

“Teachers want to show their students the alternative to concrete and sidewalks and malls,” says Gelderloos, who directed the EIC until stepping down last year to focus on teaching and research. “This is what Michigan really is. It is our goal to help reconnect people to the whole world, and the flora and fauna that live here naturally, as opposed to what is mowed, manicured and paved.”

The roof design of the EIC diverts rainwater into the surrounding ground, where specially selected plants drink it up. This keeps rainwater out of the sewer system while nourishing the lush gardens.
Want to grow your own mushrooms? With a few materials, the right amount of shade, some water and some patience, it’s marvelously easy.

1. Purchase mushroom plug spawn from a reputable spawn provider such as Easygrow Mushrooms and Composting LLC (easygrowmushrooms.com). The plug spawn are small wooden dowels colonized with mushroom-producing fungi.

2. Obtain logs from disease-free hardwood trees such as oak, maple or elm. Ideal log size is 4–6 inches in diameter and 3–4 feet long. Most softwoods are not desirable because they possess antifungal chemicals. Logs are best harvested between late fall and early spring, when the sugar content of the logs is the highest.

3. Drill holes the same size (¼") as the plugs. Holes should be arranged in a diamond pattern, 4–6 inches apart down the length of the log, and 1½–2 inches apart between rows. Hammer the plugs into the holes.

4. Melt cheese wax in a pan and use it to seal the holes. This provides a protective barrier that helps retain moisture and prevents other organisms from colonizing the logs.

5. When the holes are filled and sealed, stack your logs into a log-cabin type arrangement called a rick. Make sure you choose a place that is well-shaded and, if possible, in an area of high humidity. Place the logs at the bottom on bricks or stones so they don’t get contaminated by being in contact with the soil.

6. Cover the logs with shadecloth and wait. Prolonged dry spells will kill the mushroom culture, so water the logs as needed to keep them moist. Maintaining proper moisture is the most critical component of successful mushroom cultivation.

7. After 6 to 18 months, depending on the species, you can trigger the mushrooms to “fruit” by submerging your logs in water for 24 to 48 hours. One log should yield 2½ to 4 pounds of mushrooms over an average fruiting lifespan of 3 to 4 years.

8. Explore the world of culinary delight with fresh, organically grown mushrooms!
FOR THE BIRDS Julie Craves (’92 B.A.), supervisor of avian research, leads a bird-banding initiative that has tagged more than 31,000 birds in an effort to understand urban stop-over sites for migrating birds.
rest-stop

HABITAT

CAMPUS A DESTINATION FOR MIGRATING BIRDS

For exhausted and hungry migrating birds, UM-Dearborn may be the ultimate rest stop. More than 250 species have been observed on campus, lured by the surrounding 300-acre natural habitat and its bounty of insects, fruits and seeds. Understanding why they stop — and what that means about birds and our environment — is the role of the Rouge River Bird Observatory (RRBO), which was created in 1992 to explore the significance of urban natural areas to migrant, breeding and resident birds.

Now located within the Environmental Interpretive Center (EIC), the RRBO is one of the nation’s few urban bird research stations. “In our increasingly urbanized world, urban habitat fragments become more critical to birds,” says Julie Craves (’92, B.A.), supervisor of avian research. “Understanding how birds use them is essential for conservation.”

Information about birds is collected through year-round surveys and the biannual bird-banding project, which forms the cornerstone of RRBO’s research efforts.

Through banding, more than 31,000 birds have been captured in gentle nets, examined at the RRBO, tagged with tiny aluminum bands inscribed with unique nine-digit numbers, and released unharmed. Hundreds of the same birds have been recaptured, some many times. Such research provides important information about what constitutes a high-quality stopover site for migrating birds, and how important urban natural spaces are to species survival.

“Although they have traditionally been neglected by researchers, urban areas are important to birds,” says Craves. “It’s one thing to know they are present, but the next step is learning whether or not they are staying and finding the right food, or quickly leaving because the right resources are not to be found in urban sites.”

The banding project is a group effort, requiring help from student, alumni and community volunteers. Those who have direct contact with capturing, tagging and releasing the birds receive special training.

Greg Norwood (‘07 B.S.), a biological technician with the U.S. Fish and Wildlife Service, served as a RRBO volunteer for six years. In addition to the valuable research collected, RRBO also provides experiential learning, he says.

“The experience was demanding and challenging, and elevated my ability to think critically and integrate the stopover ecology research at RRBO with other studies across disciplines,” he says. “RRBO is the most rigorous and high-quality experience in stopover ecology and urban ecology available anywhere.”

BIRD FRIENDS For more information about the RRBO, visit rrbo.org. The RRBO is supported by donations, grants and external funding. To donate online, visit rrbo.org/support.

On a recent late summer day, the gardens were lush with squash, tomatoes, watermelons, beans, herbs and an array of flowers.

“We want the children to develop a love of gardening and have a sense of empowerment knowing that they can grow their own gardens,” says Lynn Hausch, an environmental studies senior who coordinates the children’s program. “This is about learning that they can be self-sustainable.”

An Urban Jewel

To Susko, the Natural Areas are one of the most unique features of the campus — a “rare urban jewel” that is fulfilling not only the promise to conserve the Natural Areas, but to use them for maximum educational impact.

Expansion of the organic gardens and creation of a new curriculum to help future and current teachers learn about urban farming are but two of the new projects being planned.

“We are situated in an industrial region facing difficult challenges, such as soil and water contamination, air pollution and suburban sprawl combined with a shrinking inner-city population, all of which have consequences for public health,” says Susko. “Our integrated educational programs and research activities are focused on raising public awareness of these environmental issues and developing strategies for creating cleaner, healthier and more sustainable communities.”

PHOTOS BY RACHEL SHOMSKY
Every summer, high school students from around Metro Detroit descend on the UM-Dearborn campus for an in-depth two-week course in entrepreneurship. E-Academy is presented by the College of Business in partnership with the student organization Students in Free Enterprise (SIFE) and promotes entrepreneurship, teamwork and financial literacy.

E-Academy immerses high school students in the UM-Dearborn environment. Through interactions with faculty, students and business professionals, it exposes them to hands-on practical experience in entrepreneurship. The students develop and present business plans in competition for scholarships.

The program would not be possible without the dedication of UM-Dearborn alumni like Eric Sadek ('04 B.A.) and Farah Harb ('10 B.A.), who serve as coaches and mentors to students in E-Academy.

As a member of SIFE, Harb has been involved in E-Academy for several years, and is impressed at the impact it has on the students that participate. She says, “I enjoy seeing the students grow personally and professionally.”

One of the youngest and most involved alumni in the 2010 E-Academy, Harb served as project manager and was crucial to the success of the program. She was responsible for recruiting high school students and professional mentors, working with administrators, developing judging criteria and executing the recognition event.

“It’s fulfilling to see the impact that you can have on someone’s life — I learned from the students and was inspired by the way that they tackled challenges. They reminded me that there is a solution for every problem,” she says.

Many of the alumni involved as mentors are entrepreneurs like Sadek, a trend that is likely to continue as 35 percent of recent UM-Dearborn seniors plan to start businesses. Sadek started his first company as a student at UM-Dearborn and wishes there had been a program like E-Academy to prepare him in high school. He says, “The fundamentals that the students learned and the insights that all the mentors shared are so valuable to have at a young age.”

Sadek worked with the students to refine their business ideas and helped judge the final outcome. “Working with the students made me re-think processes that I go through with my own business and made me consider new ways to get things done,” he says.

“I had a wonderful time working with all of the faculty, student and alumni mentors, including Farah and Eric,” says Ian Murriel, 17, from Detroit, a student at Harry S. Truman High School in Taylor, Mich., and a 2010 E-Academy participant.

“Theyir passion for the academy made me comfortable sharing new ideas and prepared me for a career in business.”

If you are interested in serving as a mentor during the 2011 E-Academy, let us know. Send an email to legacy@umd.umich.edu.
IKE MANY STUDENTS WHO ATTENDED UM-DEARBORN IN THE 1970s, Bonnie ('75 B.S.) and Eric Szilagy ('75 B.S.) spent much of their time between classes in the cafeteria. It is where they studied and made friendships that have lasted a lifetime and is where they fell in love.

More than three decades later, much has changed on campus. The financial services office in the Administration Building is located where the cafeteria used to be. A new Science Learning and Research Center (SLRC) has been built, replacing the modular rooms that were used for many of their science classes.

And yet the Szilagys are doing their part to make certain that students and others who visit the University still have a common space to meet.

They are among a close-knit group of graduates who banded together to fund the Mosaic Project, located in the lobby of the SLRC. Their effort went a long way toward putting the finishing touches on a brand-new building.

“It is very dramatic, eye-catching,” says Bonnie Szilagy, who is retired from Novi Community School District after a long IT career. “The mosaic is in a very public place where students can appreciate it as they are gathering together to share their daily experiences, just like we used to do in the cafeteria.”

The effort to raise the funds for the project began several years ago with Mike Kilbourn ('75 B.S.). He met his wife Barbara ('75 B.A.) at UM-Dearborn and they have been lifelong friends of the Szilagys.

Kilbourn, now a professor of radiology at U-M, says the project appealed to him because it allowed science alumni to leave a concrete legacy on campus.

“We were part of the first freshman CASL class [1971], and as the campus was growing we spent a lot of class time in portables and a lot of our social time in the cafeteria,” he says. “Those places are gone, but now we have a true dedicated science building — and being able to own a piece of it after all these years resonated with me.”

Eric Szilagy, a Henry Ford Health System surgeon, says a tour of campus sealed the deal.

“It had been a while since we had been on campus, and it was nice to see that the campus was growing,” he says. “We felt this would be the right time to support something like this.”

The Szilagys say they are grateful for the opportunity to leave a mark on campus — and they are proud that their youngest son, Benjamin, attending UM-Dearborn for the first time this fall, will occasionally cross over the mosaic on his way to class.

“When we were here, classes were so small that you got a lot of attention from your professors,” says Bonnie Szilagy. “The campus has kept that feeling, and yet has grown so much. It is nice that it is bigger, better and more developed. We always told people UM-Dearborn was a well-kept secret, but you can tell that the secret has gotten out.”
Students Will Have New Opportunities to Gain Hands-On Experience in nonprofit management as part of their coursework, thanks to a generous gift from a College of Business alumnus and his wife.

Gary (63 B.B.A.) and Joanne Wagerson’s $25,000 gift will be used to expand service-learning internships with local nonprofit organizations, says Dean Kim Schatzel. Ford Motor Company, Deloitte and Masco have provided matching funds.

The service-learning approach to education combines traditional coursework with hands-on experiences at nonprofit organizations that will benefit from student assistance. In a marketing course with a service-learning component, for example, students working in teams might apply their classroom knowledge to help a nonprofit tackle a specific marketing project, with supervision from their professor.

Schatzel says several faculty members already integrate service learning into their courses. The new influx of funding will allow this type of teaching and learning to grow and become a more formal part of the COB curriculum.

Joy Beatty, associate professor of organizational behavior and noted service learning expert, has been appointed to coordinate the program and serve as a link between faculty, students and area nonprofit partners.

“In two or three years, we hope we will have a series of workshops for faculty to gain competencies and assist them in development, design and delivery of these classes, and students will be able to choose more courses that have service-learning components,” says Schatzel.

Gary and Joanne Wagerson say this is exactly what they had in mind when they made the gift to the College.

Gary’s interest in service learning was influenced by his years at UM-Dearborn, where he participated in a formal internship program at Lincoln-Mercury that he says shaped his skills and helped set the course for his career. After working for several major international companies, he founded two of his own — Wagerson & Associates in 1983 and Global Trade Development Group in 2001. Both businesses helped manufacturing clients conduct and grow their businesses overseas. He also founded First Word, a nonprofit organization that provides funding to treat children who, for medical reasons, are unable to speak.

Joanne, who holds undergraduate and graduate degrees in Spanish and a Ph.D. in reading, is co-founder of the nonprofit organization Beyond Basics, a literacy organization that was already working with the COB on several projects. Beyond Basics helps bring struggling Detroit Public School students to grade level in subjects like reading and math.

Helping to expand and strengthen the College’s link to local nonprofits — while at the same time, enhancing the skills and experiences of COB students — was a natural fit for the philanthropic couple.

“The College knew that we are interested in helping all kinds of kids,” Joanne says. “We both know from experience that the very best model for college students to learn about nonprofit work is when a professor is involved. It is a really powerful way of learning that helps the community and the students. And it helps college students feel that they have the power to make a difference.”

Adds Schatzel, “They are a terrific family with a strong sense of giving back that has been part of their lives forever. For us, working with them has been such a pleasure. This initiative was in great part sparked by their funding, and they have inspired us to take service learning to this new level.”
**KEEP YOUR CLASSMATES UPDATED**

Exciting things happening in your life?

Changed jobs? Got married? Had kids? Received an award? Send your Class Notes to legacy@umd.umich.edu or fax to 313-593-0540.

You can also visit our website at umd.umich.edu/alumstayconnected and fill out our form. We’d love to hear from you!

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**COLLEGE OF ARTS, SCIENCES, AND LETTERS**

**DAVID C. ANDERSON** (’94 B.A.), a partner at Collins, Einhorn, Farrell & Ulanoff P.C. in Southfield, was re-elected to a three-year term on the board of directors of the Oakland County Bar Association, the largest voluntary bar association in the state of Michigan.

**DAVID BAGGETT** (’88 B.A.) recently assembled a team of champion scholars to consider numerous philosophical issues within the sport of tennis for the new publication *Tennis and Philosophy: What The Racket Is All About* by University Press of Kentucky. Profiles of tennis greats including John McEnroe, Roger Federer, the Williams sisters and Arthur Ashe are paired with pertinent topics, from the ethics of rage to the role of rivalry.

**RICK CASSAR** (’80 B.A.) recently started a business counseling first-time freshmen on college success after a 25-year career as a community college counselor, professor and department chair. Counselors at FreshmanSuccess.com help students to be aware of, and avoid, the pitfalls they face as they go away to college for the first time.

**CAROLYN ESAU** (’88 B.A.) had her novella, “Mr. Darcy’s Christmas Carol,” published as part of a new anthology, *A Darcy Christmas* by Sourcebook. Esau, who writes under the pen name Carolyn Eberhart, wrote of Darcy (a main character in Jane Austen’s classic novel, *Pride and Prejudice*) encountering ghosts of Christmas past, present and future who show him his life if pride were to keep him from his one true love.

**ANDREW GALUSZKA** (’09 B.A.) was recently sworn in as a police officer with the Dearborn Police Department.

**SUE HACHEM** (’04 B.A.) has joined the Southfield-based law firm of Hubbell DuVall PLLC as Attorney Of Counsel. She is a 2008 graduate of the University of Detroit Mercy School of Law.

**MARY ANDERSON JOHNSON** (’84 B.A.) went on to earn her M.A. (’89) and Ph.D. (’94) from the University of New Mexico. Her husband of over 50 years, Paul Johnson, died of leukemia in 2006. She and James Hanks were married Oct. 18, 2009, and live in Pendleton, Ore.

**JAMES G. LESNIAK** (’77 B.A.) recently retired from Gale, a division of Cengage Learning, after 29.5 years of service.

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**NOTABLE MICHAEL PORTER, ’75 B.B.A.**

**Extra Energy**

In January, MICHAEL PORTER (’75 B.B.A.) will become the chief executive officer of Think Detroit PAL after retiring from DTE Energy, where he has served as vice president of corporate communications for the past 13 years. Think Detroit PAL is one of the largest nonprofit urban youth leadership programs in the nation, and serves nearly 12,000 youth annually.

“Think Detroit PAL is a catalyst for change in this community,” says Porter. “Its academic, leadership development and athletic programs provide young women and men with positive role models, and teach important life lessons of teamwork, self-sacrifice and discipline, cooperation and respect.”

Porter, a member of the COB board of advisors, is chairman of the board of directors for the University of Detroit Jesuit High School and vice chairman of the board of trustees for Detroit Public Television. Porter also has an M.B.A. from University of Detroit.

**ABDULLATEEF MUIHDDIN (MUH) (’09 B.A.)** is working as an associate development officer at the Institute for Social Policy and Understanding, a non-profit think tank that focuses on U.S. foreign and domestic policy.

**COLLEGE OF ENGINEERING AND COMPUTER SCIENCE**

**KURT OSBORNE** (’02 M.S.E.) recently was recognized with the Application of the Year Award, Green Engineering Award, and Automotive Category Winner at the National Instruments Graphical System Design Achievement Award for his work at Ford Motor Company.

**COLLEGE OF BUSINESS**

**KRISTIN MCDONOUGH** (’10 B.B.A.), has joined the Office of Institutional Advancement at UM-Dearborn as the development coordinator.

**MICHAEL J. ROYCE** (’83 P.D.), a consultant with Albion Associates of Clarkston, Mich., was named a winner of the 2010 Forest R. McFarland Award by SAE International. The McFarland award recognizes individuals for outstanding contributions to the SAE Engineering Meetings Board and the development and dissemination of information, or for contributions in facilitating or enhancing the interchange of technical information. Royce, who has been an active member of SAE since 1965, served on the organizing committee of all eight of the Motorsport Engineering Conferences. He has been a session chairman, panel organizer and moderator, and was general chair in 2008.

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**ALUMNI AUTHORS**

The Mardigian Library at the University of Michigan-Dearborn is expanding its collection of books written by alumni. The Alumni Collection allows students and faculty to view the intellectual accomplishments of UM-Dearborn graduates and read their scholarly contributions to selected fields of study. The collection was launched in 2005 by Mardigian Library Director Tim Richards and circulates extremely well, with many books being checked out regularly.

READ UP Visit umd.umich.edu/alumauthors to view the list of alumni authors who have their published works on the shelves of the Library and to submit your book.
NOTABLE  Brad Brennan, ‘10 B.B.A.

Young Gun

BRADLEY BRENNAN, a 2010 College of Business graduate, is believed to be the youngest Certified Public Accountant (CPA) in the state of Michigan. Brennan was recently notified he passed all four sections of the challenging CPA exam the first time he took them, at age 20 and 7 months.

While the state and national boards of accountancy cannot verify Brennan’s claim because records are not kept regarding age and test accomplishment, Eli Broad, billionaire businessman and philanthropist, has long contended he was the youngest person to become a CPA in Michigan. Broad was 20 years and 11 months old when he passed the exam in 1954.

“I am humbled to possibly be the youngest CPA in the state’s history and am very proud to be a UM-Dearborn grad,” says Brennan. “I have the utmost respect for Mr. Broad and I am looking forward to one day meeting him in person.”

Brennan is currently working as a tax accountant in the Detroit office of Ernst & Young. He is also involved in the Michigan Association of CPAs and the UM-Dearborn COB Alumni Affiliate.

The CPA exam consists of four separate tests: auditing and attestation; financial accounting and reporting; regulation and business environment; and concepts. In 2009, just over 8 percent of first-time test candidates passed all four sections on the first try, according to the National Association of State Boards of Accountancy.

Brennan holds a double major in financial accounting and finance.

NOTABLE  Rima Fakih, ‘10 B.A.

There she is …

Congratulations to RIMA FAKIH (’08 B.A.), who in May was crowned Miss USA! Fakih has a degree in economics, a minor in business administration and a deep commitment to community service. In mid-July Fakih was awarded the key to the city of Dearborn in a celebration that was part of a hectic four-day homecoming for the 24-year-old beauty queen.

As Miss USA, Fakih is a spokeswoman for breast and ovarian cancer education, research and legislation. After her reign, she plans to attend law school and contribute to the Service Nation campaign, an initiative that aims to inspire a new era of voluntary citizen service in America.

FINDING FELLOW ALUMS ONLINE

UM-Dearborn has joined the social networking revolution. You can find links to all of these sites on UM-Dearborn’s Alumni site at umd.umich.edu/alumstayconnected.

FACEBOOK
Log in today to find out what your classmates have been doing since they graduated. Join the University of Michigan-Dearborn Alumni group and the University of Michigan-Dearborn fanpage.

TWITTER
Keep up with campus happenings by following UM_Dearborn on Twitter.

LINKEDIN
Sign in on LinkedIn’s site, then search for the University of Michigan-Dearborn Alumni Society group and ask to join. Learn about events and connect with other alumni.
The green man

BY TOM WOIWODE

IT’S A BEAUTIFUL DAY FOR A WALK.
And what better way to learn about your community, your neighborhood and your neighbors. There are a great many opportunities for places to go for a walk in southeast Michigan. I personally love the riverfront, where you can walk along the Detroit River in downtown Detroit, watching the boats go by and enjoying the view of another country. And the connection to the Dequindre Cut, the converted abandoned rail corridor that lies 25 feet below grade and extends from the riverfront to the Eastern Market — there’s nothing like it. Each is a very different, and unique, experience.

Something happens when you go for a walk. You interact and engage with people in entirely different ways. You meet people from very different backgrounds, people of all colors, of all ages, of all philosophies. You smile and say hello. You share with everyone that same sense of wonder, of excitement, of enthusiasm and that commitment for what it could be.

Greenways help communities. Studies throughout the country show that homes near greenways have higher property values and sell quicker. Cities such as Denver and Pittsburgh have characterized greenways as their most important economic development strategy. Greenways reduce vehicles on the road, thus reducing congestion and road maintenance costs. They serve a constituency that either needs or wants to get around without a car. And the recreation experience, the simple act of riding a bike or walking, is good for your health.

In addition, I think most people would agree that greenways add a nice aesthetic to a community.

The University of Michigan-Dearborn community knows about these benefits firsthand. The recently constructed Rouge Gateway path crosses the campuses of UM-Dearborn and Henry Ford Community College, connecting those two educational institutions to the commercial/residential district of west Dearborn, thus offering for the first time the opportunity to walk to campus.

It’s all about the connections. The network of greenways being developed in southeast Michigan will, when this first stage is done, connect almost one-half of the communities in the region; link communities to natural and cultural resources; and provide the region’s residents and visitors with a unique, healthy way of exploring the region and its assets.

For those of us who have lived and worked in Detroit for decades, the changes are truly inspirational. They have transformed the way we think about the city and its neighbors, and the way the city thinks about itself. That transformation has created a shared sense of interest in where we live, how we live and how we live with each other.

And that’s the point. So let’s go for a walk.

Thomas M. Woiwode is the director of the Community Foundation for Southeast Michigan GreenWays Initiative, which was launched in 2001 to connect people, communities and nature throughout southeast Michigan. Currently there are nearly 100 miles of greenways for recreation and conservation purposes connecting the region.

Woiwode was also the founding director of The Nature Conservancy of Michigan and for two decades served as an officer of the international Nature Conservancy organization.

PHOTO BY JOE VAUGHN
SNAP

a place to
RING THE BELL

The Business Experiential Learning Laboratory (The BELL) is a new high-tech classroom in the Fairlane Center South building. It features a stock ticker, an eight-foot data wall and 32 trading simulation workstations, all with data streamed from Wall Street.