This fall at the University of Wisconsin-Milwaukee is like no other time in our history. It’s not simply the start of a new academic year. It is a new beginning for UWM as an institution as we manage a challenging budget and head down new paths with the support of our alumni and donors. At the same time, we honor our significant history with several of our schools and colleges marking 50th anniversaries this year.

I’m pleased to announce that Sheldon and Marianne Lubars have very generously donated $10 million to UWM to establish the Lubar Center for Entrepreneurship. The center will bring together, expand and enhance UWM’s strong array of entrepreneurial programs. You can read more about how the Lubars are transforming lives and UWM on pages 32-33 of this issue of the UWM Alumni magazine.

Energy, on a number of fronts, also is a key element and a featured focus in this issue on pages 10-18. Our faculty and alumni are making major contributions to the study of energy – making it greener, more affordable and stabilizing energy supply nationwide. Increasingly, we’re bringing together water and energy for a look at how we can improve the accessibility and quality of these vital resources.

Alumni Energy
Your role in the state – and well beyond – is absolutely critical, not only as the backbone of our economy, but also as innovation and knowledge leaders. This summer, I had the distinct pleasure of meeting and networking with UWM alumni across the state. I continue to be fascinated by the many different ways in which you positively impact thousands of people. Your energy and advocacy for UWM during the 2015-17 biennial budget process were remarkable, and I sincerely thank you.

Please allow our campus community to thank you in person during UWM Alumni Homecoming week, when we will welcome alumni across seven decades back to campus for ceremonies, celebration, tours, speakers, cultural events, family-friendly programs and so much more. Please see page 23 for details.

Energy and the State Budget
Last January, we were fearing the worst and hoping for the best. There were so many unknowns. We were looking at a potential $300 million cut to the UW System in 2015 and 2016, which would have translated to up to a $4 million annual cut to UW-Milwaukee. Had that happened, we would be facing cuts that are more than three times the size of our largest cut of $8 million. Thankfully, our budget cut will not be as firing each year. With the final budget including $250 million in cuts over two years to the UW System, UW-Milwaukee will see a $12.2 million cut in its true operating base budget for FY16. This will likely increase to $18 million in FY17. We received the largest shares of $20 million in one-time cash from the UW System and of the $25 million that was restored to the System budget. Your letters and calls of support made a difference.

Economy for the New UWM of the Future
Our path ahead will require a great deal of energy and “big idea” thinking. We are facing the biggest test of our time in higher education. With the implementation of budget cuts, we will all be thinking and working in ways we have not yet encountered as we reorganize and reshape UWM-Milwaukee for the future. We need your good ideas. I encourage you to share your transformational thoughts on uwm.edu/budget.

Despite our challenges and because of the extraordinary support of the Lubars and other donors, we have many reasons to be optimistic:
• As UWM alumni, you are a powerful force and are agents of positive change through scholarships, mentoring, advocacy and more
• Our students have a strong voice that is growing
• Our enrollments are on the rise
• Our many new initiatives and increasing collaborations, including the James and Yvonne Ziemer Clinical Simulation Center; expanded veterans education support; NANOGrav Physics Frontiers Center; and the M3 collaboration with UWM, Milwaukee Public Schools and Milwaukee Area Technical College.

I will be inaugurated on Oct. 2 as UW-Milwaukee’s ninth chancellor, and I couldn’t be more Panther proud. UWM would not be as strong or vibrant without your past involvement. Your philosophies, bold ideas and energies will be needed as we enter our new frontier. Let’s roll up our sleeves together.

Best regards,
Mark A. Mone
Chancellor
DANCE ALUMNA CAN'T STOP – DANCING, TEACHING, INSPIRING

Most people don’t discover their true calling while still in middle school, but that’s exactly what happened to dance alumna Sandra Jordan. She saw one dance performance and knew she’d found her passion. Since then Jordan has dedicated her life to dance. She attended her first at UW-M, where she received a bachelor of fine arts degree in 1987. She moved on to UW-Madison for an arts administration MBA, then returned to UWM for a master’s degree in dance in 2000. By this time, Jordan had already begun her career at Milwaukee High School of the Arts (MHSA) where she has taught dance since 1995.

“Of course I would like my students to find a love for dance, but the main lesson I would like to teach them is that hard work and discipline pay off,” said Jordan. “If you truly want to achieve something in life, you have to understand that it may not come as easily as you want it to. And no matter how much you love something, it is always good to have a backup plan on how you are going to do it in the future.”

Jordan’s passion continues outside the classroom. She attends every dance performance she can, taking in events across Wisconsin, and travels annually to the National High School Dance Festival. “I love watching dancers who are dedicated and committed to their craft; it inspires me and helps draw out the creative process in me. It excites me to see people so engulfed in their art and working hard to get to the next level of their career.”

Jordan said that the MHSA dance scene moves at what she calls a “medium” pace. “Students get involved in dance at a much older age and they find that it’s a lot harder to fully develop their technical skills. We need more exposure to dance that’s happening around the country so that our students can be more informed when it comes to choosing where to go for additional training after they graduate.”

Her solution was to develop the Summer Dance Intensive at MHSA. Jordan explained: “We all year raising money to bring in guest artists from around the country to give the students a look inside the dance world outside of Milwaukee.”

PHYSICAL THERAPY GRAD MAKES REHAB PLANS, BUT SAYS REAL RECOVERY IS ALL ABOUT THE PATIENT

When John Kuhn began his undergraduate studies he thought he had already decided on a career path. “I was always interested in the human body. I thought I would become an orthopaedic or sports physical therapist,” he explained. But then his undergraduate courses offered him a close look at the body-brain connection. “Seeing people who have had life altering events such as strokes, amputations or progressive neurologic disorders, I became very interested in neurologic issues and inpatient rehabilitation.”

After receiving his undergraduate degree in exercise science from the University of Minnesota Duluth, he entered UW-M’s doctor of physical therapy program (DPT). He completed that in 2010, and today Kuhn works as an inpatient physical therapist at the Milwaukee VA Medical Center. He specializes in providing treatment for patients suffering neurologic, musculoskeletal and neuromuscular conditions. Once the patients are ready to leave the facility, his duties include working with the rest of the rehab team to implement a cohesive discharge plan.

For Kuhn the key to successful rehabilitation ultimately lies with the patient. “I can provide the expertise and the knowledge of what would benefit the patient, but they have to put in the hard work and consistent effort to make functional improvements which will ultimately make their everyday life easier and allow them to live with reduced pain levels,” said Kuhn.

When it all comes together and the patient follows the plan, works hard and eventually shows improvement – that is when Kuhn says his job is truly rewarding. “I see people who have had life altering events every day and I love that I get a chance to make a significant positive impact on their lives.”

It is not only patients’ lives that Kuhn has impacted. He works with Equip Africa to deliver computers to developing countries. Three years ago Kuhn, along with fellow UW-M alum Ryan Tully, implemented a scholarship for first year DPT students at UWM. The $1,000 scholarship was set up to assist in offsetting the cost of the first year of textbooks. “At present Ryan and I fund it ourselves. It is our way of giving something back to the College of Health Sciences. We are hoping to develop it further in the near future so that more people can reach their goals and become practicing physical therapists.”

LOVE ON THE DANCE FLOOR

In 2006, Betsy Guerrero and Matt Woida were both students at UWM. But that’s not where they met. That happened on a dance floor at Beulah Brinton Community Center in Bay View. Guerrero was teaching a class for Milwaukee Recreation, and Woida was taking one. In fact, it was his first dance class ever. Nine years later they are married and managing Mezclando Milwaukee Dance Company, which they founded in 2006.

The name, which in Spanish means “mixing Milwaukee,” came to Guerrero after teaching a Rueda de Casino class (Cuban Salsa Wheels). “The group consisted of people from China, Nigeria, Poland, Mexico, USA and me of Colombian descent,” explained Guerrero, who earned an international relations degree with a Spanish minor from UWM in 2007. “Looking around that circle I realized we had members from four continents and that we were helping to bring people together from all over the world. More importantly it was happening in a city known for being segregated.”

Since then everything about the company has been a team effort. Woida created the logo, upgraded the website and handles e-mail and social media for Mezclando. Together, they teach. “Yes we are a company of two and we keep each other company,” said Guerrero with a laugh. “We are the only married couple teaching together in Milwaukee. We are literally the mom-and-pop shop of salsa dancing!”

Outside of Mezclando, which stays true to its Bay View roots at the Delaware House studio just blocks from Lake Michigan, Milwaukee’s salsa power couple both teach for Danceworks and Milwaukee Recreation. Betsy still teaches the class where she met Matt back in 2006.

So how do they view the Latin salsa scene in Milwaukee? “We have just as much talent here as there is in Chicago but we are a lot friendlier,” said Guerrero. “I would love for Milwaukeeans to value taking lessons more than they currently do and to have more performance teams. We are still a small town in the salsa world, but my dream is to grow past that.”
WUWM EARNED PRESTIGIOUS EDWARD R. MURROW AWARD

Inspired by a report on black male incarceration in Wisconsin from UWM’s School of Continuing Education, WUWM tackled the topic in the series, “Project Milwaukee: Black Men in Prison.”

For its efforts, WUWM became the only Wisconsin radio station to receive the prestigious Edward R. Murrow Award – the equivalent of the Pulitzer Prize for broadcasters. Operated by the College of Letters & Science, WUWM is a member- and listener-supported station broadcasting locally produced news and music, as well as national and international programming from NPR, APM and BBC. The Radio Television Digital News Association announced the award on June 24.

ONLY ROCK ‘N’ ROLL, BUT THEY LOVED IT

The Rolling Stones usually get what they want. They needed a choir to perform with them during Summerfest.

Two dozen members of UWM’s elite Concert Chorale joined the Stones on stage at the world’s largest music festival. For the students, it was their biggest crowd – and biggest thrill.

Zack Durlam, director of choral activities, noted that the hallmark of the Peck School of the Arts program is instruction that encourages students to “be as versatile as they want to be.”

Of course, they performed the show’s finale – “You Can’t Always Get What You Want.”

RESEARCHERS LOOKING FOR EVIDENCE OF THE BIG BANG

UWM and partners at 10 other research institutions landed a highly competitive $14.5 million grant from the National Science Foundation to advance efforts to detect low-frequency gravitational waves in the universe.

Gravitational waves are elusive ripples in the fabric of space and time, which Albert Einstein predicted should arise from extremely energetic cosmic events. Low-frequency waves carry the imprint from supermassive black hole mergers and events from the period just after the Big Bang when scientists theorize that the entire universe expanded in size from sub-microscopic to gargantuan in an instant.

NEW ‘SPIT’ TEST MAY IMMEDIATELY DETECT EBOLA VIRUS

Engineers at UWM and the Georgia Institute of Technology are developing a sensor that can be used to immediately detect the Ebola virus with a simple “spit” test.

Junhong Chen, UWM professor of mechanical and materials engineering, will use a sensor platform he created to detect water contamination to make the low-cost virus sensor.

The National Science Foundation-funded project aims to arm public health responders with tools for rapid detection and containment of an Ebola outbreak.

Chen’s sensor will target seven proteins associated with Ebola infection that are present in human saliva. A prototype may be ready by December.

AIDS RESOURCE CENTER DONATES PAPERS TO UWM ARCHIVES

AIDS Resource Center of Wisconsin donated its historical records to the Archives of the UWM Libraries for use by historians and others telling the story of the epidemic in the Midwest.

“The archives are a significant addition to the holdings of the UWM Archives and our collection of LGBT historical resources,” said Michael Doylen, an assistant director of the UWM Libraries and head of Archives. “Only a handful of other AIDS service organizations have taken similar steps to open their historical records for research.”

AIDS Resource Center of Wisconsin is a national leader in comprehensive patient care for people with HIV/AIDS.
Chancellor Mark Mone formally assumed leadership of Wisconsin’s premier urban research university in December 2014. A month later, Mone and UWM faced a significant challenge when the governor proposed significant cuts to the University of Wisconsin System, including UWM. While dealing with that challenge, the university continued to move ahead with plans to build on its expertise in research, teaching and community engagement.

On Oct. 2, Chancellor Mone will reflect on UWM’s progress in challenging times and make his tenure official as he is inaugurated UWM’s ninth chancellor. To emphasize the university’s continued strength in top-tier interdisciplinary research, UWM’s new Kenwood Interdisciplinary Research Center (KIRC) will be dedicated as part of inauguration day ceremonies. (For more about the center, please see page 8.)

The KIRC dedication and building tours are one of a number of public events that will be part of the celebration.

“The new Kenwood Interdisciplinary Research Center is just one symbol of our progress and strength going forward,” Mone said. “We will continue to face challenges, but with the help of our faculty, staff, alumni and friends in the community, we will continue to meet them.”

“Many are better positioned to handle the challenges the university faces than Chancellor Mone,” said David Milkey, president of the UWM Alumni Association Board of Trustees and assistant executive director of the Redevelopment Authority of the City of Milwaukee. “He has incredible support within the university, but he also has a wonderful relationship with business. Both of these relationships will be incredibly useful.”

The installation ceremony for UWM Chancellor Mark Mone begins at 3 p.m. Friday, Oct. 2, at the Zelazo Center, 2419 E. Kenwood Ave. The installation ceremony will include UWM students, faculty, alumni and staff representatives, UW System colleagues and members of the Milwaukee community. Peck School of the Arts graduate student Samuel Hines is set to present the oration, and the UWM Chorale will perform.

More about Mone

After seven months as interim chancellor, in late 2014 Mone was named to the position permanently by the UW System Board of Regents. Prior to becoming interim chancellor, he had served as the Chancellor’s Designee for Strategic Planning and Campus Climate. In that role, he worked with senior campus leadership, governance groups and all stakeholders to develop UWM’s 2020 strategic plan, and campus-level programs to improve the organizational climate.

A professor of business focused on executive education, organizational behavior and theory, he has been a member of the UWM faculty since 1989, and served more than 15 years as associate dean for executive education and business engagement. From that background, colleagues say, Mone brings a strong dedication to the UWM mission and community as well as a calm and collaborative leadership style.

In speaking to the regents at a June 2015 meeting at UWM, he spoke passionately about UWM’s impact on Southeastern Wisconsin.

“UWM is the only public research university in Wisconsin, with a strong reputation for community engagement, economic revitalization and entrepreneurship. It is an economic driver in the Midwest, with an annual $1.5 billion impact in Wisconsin alone since 2012.”

In addition, he proudly noted that UWM continues to serve a unique mission in Wisconsin’s largest urban area — making a college education accessible for many first-generation and economically disadvantaged students. “We continue to offer incredible value for the dollar.”

“The new Kenwood Interdisciplinary Research Center is just one symbol of our progress and strength going forward…”

If You Go

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Dedication of the Kenwood Interdisciplinary Research Center, located at the corner of Maryland and Kenwood avenues, begins at 10 a.m. Friday, Oct. 2. Guests can tour the newest UWM building featuring physics, chemistry and public health labs, classrooms, a soaring atrium and more.

Inauguration of Chancellor Mone

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In a world facing shortages in energy and water, UWM researchers are focused on tomorrow – building new distribution and conservation technologies that will change the game in our search for a more sustainable future.

This work is already rebooting the economy in Wisconsin, where the energy industry is the No. 1 driver, according to the Midwest Energy Research Consortium.

**UWM IS WORKING TO KEEP IT THAT WAY.**

The university’s partnership with Fortune 100 company Johnson Controls Inc., the world largest supplier of vehicle batteries, has already earned tens of millions of dollars in energy research grants aimed at developing next-generation batteries.

Energy storage and control also play a central role in another kind of research. UWM’s engineering and freshwater researchers are helping revolutionize our nation’s method of distributing electricity, while restructuring how water is used and delivered.

Perfecting systems called microgrids, UWM researchers and their industry partners are helping build a market with potential revenues worth billions. For consumers, that means more affordable and reliable access to green energy and water.

Along the way, UWM is supplying the workforce with the skills necessary to thrive in this market. Meet two alumni who are making a difference in powering our future.
JOHNSON CONTROLS PARTNERSHIP FUELS THE FUTURE OF ENERGY STORAGE

At no time since the first Model T rolled off the manufacturing assembly line in 1908 has vehicle technology evolved as quickly as it is today. “It wasn’t that long ago when the only electric vehicles that existed were golf carts,” says Deyang Qu, the recently named Johnson Controls Endowed Professor. “Now, you have the pure electric vehicles, the hybrid plug-in and the ‘micro-hybrid.’”

With new car technology comes a need for advanced batteries capable of powering the vehicles. But one battery does not fit all, says Qu. At Johnson Controls, the research is focused on two kinds of vehicle batteries: lead-acid batteries, existing technology that’s being upgraded to enable higher vehicle performance; and lithium-ion, which can be recharged more quickly than their lead-acid counterparts.

Qu is heading research at both UWM and UW-Madison as part of a unique partnership between Wisconsin’s two public research universities and Johnson Controls. The company’s $36 million dollar investment supports the endowed professorships, graduate student education and research laboratories at both universities.

Faculty members, students and Johnson Controls scientists work side-by-side in two labs at UWM’s College of Engineering & Applied Science. One is a “dry lab” with the right conditions to test-manufacture next-generation lithium-ion batteries. It’s the only one of its kind at a North American university.

Projects are promising. Since 2012 work done in these labs has attracted $35 million in federal grants for energy storage research and several UWM grad students have been hired by Johnson Controls.

“We want to make sure there is a return on this investment that benefits the economy of Wisconsin,” Qu adds. This includes turning out skilled engineers with coveted expertise in the highly charged field of battery research.

“Because of this collaboration Johnson Controls is in on our campus all year round. Students can be working on a real-world project as part of their education. And we can tailor our curriculum to take advantage of those experiences to give our students the maximum benefit.”

The roadmap to new products

Qu came to Milwaukee from University of Massachusetts Boston, where he built a research program in energy storage systems for electric vehicles and smart-grid technology. Prior to 2005, he worked as a research scientist for private industry, including at Wisconsin-based Rayovac Corporation (now called Spectrum Brands).

In his new position, Qu has three goals:

• Provide a roadmap for Johnson Controls in the development of new technologies, including the next generation of lithium-ion batteries.

• Help the company improve the capability and performance of current lead-acid battery technology.

• Create a talent pipeline for the industry.

This college-to-career pipeline is integral to the partnership, says MaryAnn Wright, vice president of engineering and product development at Johnson Controls Power Solutions.

“Our vehicle batteries are required to do much more than simply start your car. Recruiting and retaining highly skilled engineers who are interested in commercializing evolving technologies in a sustainable manner is important to Johnson Controls and the entire industry,” says Wright.

Fuel-saving technologies like start-stop demand better performance from current lead-acid battery technology.

“Lead-acid technology, the benchmark for performance in automotive applications can be further improved to drive the emissions and fuel economy performance of start-stop and take micro-hybrid vehicles to the next level,” says Qu. “What we’re doing now is optimizing this proven technology to fit a broad range of applications.” Innovations in vehicle batteries don’t happen over night, he says. It took many decades to turn lithium-ion batteries into a product.

“Virtually standard equipment in Europe, start-stop systems improve fuel economy and emissions by as much as 6 percent over conventional internal combustion engine technology. The system is expected to be a standard feature on all American-made cars in the next decade.

Fuel-saving technologies like start-stop demand better performance from current lead-acid battery technology. Today’s vehicle batteries are required to do much more than simply start your car. Recruiting and retaining highly skilled engineers who are interested in commercializing evolving technologies in a sustainable manner is important to Johnson Controls and the entire industry,” says Wright.

A head start on ‘start-stop’

Good news for tomorrow’s energy engineers: The automotive industry can’t wait to tap into their expertise. In the next four years, says Qu, the number of cars on the road with gas-saving “start-stop” technology will reach 20 million. Start-stop technology enables cars to turn off momentarily when they stop, such as at a traffic light. The car then automatically starts up again when the driver releases the break.

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“But our research is creative, exciting, it’s on the right track,” Qu says. “It can keep you awake at night!”
Michael Andrew followed the path of the average UWM student circa 1970. He graduated from Brown Deer High School, then commuted to classes at UWM while living at home.

But after completing his bachelor’s degree in chemical processing engineering, Andrew embarked on a career that has been anything but ordinary.

As a rookie product engineer at Johnson Controls in the 1970s, he was on the ground floor of early work on electric car batteries. He managed several advanced battery technology programs, including electric vehicle battery development for the Department of Energy, the U.S. Air Force and the CIA.

Today, Andrew leads collaborative partnerships with universities and federal laboratories, oversees technical aspects of research and development in Power Solutions, and supports Johnson Controls’ government relations team. One more thing: he holds 12 U.S. patents.

Recently he talked to “UWM Alumni” about his evolving career at Johnson Controls.

What global company doesn’t benefit from energy efficiency? What is the key to that? It is a matter of how water tech makes ‘cents’ for energy efficiency.

Michael Andrew is director of Academic and Technical Programs, Johnson Controls - Power Solutions, Engineering and Product Development

**WHAT IF NEW WATER TECHNOLOGY COULD REDUCE THE COST OF HEATING OR COOLING YOUR HOME OR WORKPLACE?**

That’s just what UWM researchers are developing – smart technology that capitalizes on the water-energy nexus to conserve both.

The link lies in the fact that much of the water used in buildings – 40 percent in homes – is heated, said David Garman, dean of UWM’s School of Freshwater Sciences. “This presents an opportunity to re-use the heat before it even leaves the building,” he said.

UWM freshwater and engineering researchers are creating a system in which buildings and water from groups of buildings is collected and managed for different purposes, allowing many processes to happen at once: Heat can be extracted from waste water; organic matter in that water is converted to energy added to the grid; and drinking water can be continuously monitored for safety.

Microgrids, water sensors and other technology developed at UWM could help create that network, said Brett Peters, dean of UWM’s College of Engineering & Applied Science.

Just as microgrids blend energy from power plants with that from alternative sources, such as solar panels, they can manage multiple streams of water simultaneously. These water microgrids enable individual buildings to feed recycled water into a city’s water treatment and distribution system or operate independently of it, providing a small area with treated water while also fostering conservation.

“UWM has made strides in moving energy microgrid technology closer to commercial use,” Peters said. “The next step is to develop water microgrids and integrate the two so the outputs of each can be used to the best advantage.”

Peters and Garman envision a sustainable energy and water future made possible by energy and water microgrids work in tandem to move wastewater and energy back and forth to achieve optimal efficiency.

Milwaukee, they contend, is perfectly positioned to lead this research effort as a hub for energy and power control with a growing water technology sector. The city also is home to two academic-industry research centers: the Midwest Energy Research Consortium and the Water and Equipment Policy Research Center, funded in part by the National Science Foundation.

“A water microgrid depends on sensors to direct fluid traffic in the infrastructure,” Garman said. “In a system where there are separate pipes for clean water, grey water and black water (bound for the sewage plant); sensors tell you about temperature and water quality — and then route it for specific purposes.”

Sensors developed at UWM may soon be tested in a cluster of buildings slated for construction near the Global Water Center, where scientists and entrepreneurs join forces to grow the city’s water tech sector.

At Milwaukee’s Reed Street Yards, a prototype of a water microgrid containing sensors will allow recycling and treatment across an area planned as a mixed-use development with residential, office and light industrial structures. The developer, General Capital Group, hopes it will become a model for energy and water conservation.

“The beauty of such a linked system is it can be applied to not only homes and offices, but also to industries that use a lot of water, such as Milwaukee’s cheesemakers, brewers and other food and beverage producers,” Garman said.

Funding for various components of the project is being sought from federal research agencies, state economic development groups, industry, and private foundations. Initial phases of the project will take shape within the year.

**HOW WATER TECH MAKES ‘CENTS’ FOR ENERGY EFFICIENCY**

Brett Peters, dean of the College of Engineering & Applied Science, explains work in Reed Street Yards with David Garman, dean of the School of Freshwater Sciences.
iT wasn’t a naTural disas Ter or high de Mand ThaT caused an elec Trical blackou T in the norTheasTern uniTed sTaTes in su MMer 2003. a high-vol Tage Power line in o hio brushed agains T overgrown T rees, causing i T To shuT down, and T ouching off a doMino effecT of disabled lines.

For the next two days, 50 million people in eight states were left without power. But a technology being perfected at UWM, called a microgrid, will keep that from happening again. Microgrids are free-standing power sources that integrate disparate energy-generating sources, store the energy and then distribute it uninterrupted to a limited surrounding area during power outages.

“All places where large numbers of people congregate — military bases, factories, sports arenas or even Disney World — would be unaffected by a blackout if there is a microgrid in place,” said Vaj Bhavaraju, principal engineer in power system technologies at Eaton Corporation.

Eaton is one of eight area companies working with UWM Professor Adel Nasiri to advance microgrid technology, addressing the obstacles that have so far kept it from the commercial market where it is projected to generate revenues of $3 billion by 2017.

“This one in Milwaukee will be the state-of-the-art microgrid tested in the country,” Nasiri explained. “We can use it in conducting research for federal projects, and for testing with private companies. It will accelerate what we can do together with industry.”

Balancing act

The timing is right. The cost of obtaining renewable energy is dropping. But because renewables generate and distribute energy differently than power plants, the transfer of these added sources isn’t compatible with the nation’s grid.

In order to augment the grid, the “added” energy sources must conform to the way the existing grid distributes electricity. When dispatching energy from coal-burning power plants or hydroelectric plants, the grid adjusts the output amount to match user demand. Energy coming from renewable energy sources is not adjustable, however, and is difficult to store.

“By adding multiple other sources, we will need to ‘smooth out’ the intermittent power that renewables generate, in order to keep the output-demand in balance,” said Nasiri.

Wind turbines, for example, generate electricity only when the wind is blowing. But in most places, the wind blows more often at night when demand for electricity is low. Nasiri’s patented technology allows renewable energy produced when demand is low to be stored and then released when the demand is high.

Microgrids like the one Nasiri is building with industry partners will fix energy-compatibility problems, and ultimately help reduce emissions from fossil fuel-burning power plants by increasing use of renewables.

The energy sources in a microgrid vary in number and variety. Renewables could be included in a microgrid, but so could natural gas- and diesel-fueled generators.

UWM engineering students are working with Eaton on software that allows communication among the various energy sources, giving the microgrid the ability to customize the mix of energy sources in its “arsenal” in order to improve efficiency.

“For example, on a windy day you could eliminate the diesel portion of the microgrid,” said Eaton’s Bhavaraju. “You can tune the kind of output to the end user by scheduling when to turn one source on and another one off. So if we can manage the electricity sources, we could show up to 40 percent in fuel savings.”

continued on page 18
ALUMNI SPOTLIGHT: QIANG FU

Qiang Fu grew up in the city of Wuhu, in the center of the world’s largest energy consumer – China.

So it isn’t surprising that a motivated engineering student like Fu would be interested in applying his talents to something that is already becoming imperative – integrating green energy into people’s everyday lives.

So why did Fu decide to come to the U.S. to earn his PhD?

“U.S. universities, research institutions and academic associations are leading in green energy development,” he explains. While earning his bachelor’s and master’s degrees at Chongqing University, he was introduced to UWM through the research of electrical engineering professors David Yu and Adel Nasiri.

“I came to UWM for professors Yu and [Adel] Nasiri,” Fu says. “They have an international reputation in power electronics and power systems.

Since high school, Fu knew that he wanted to pursue technologies that would help to save fuel and reduce greenhouse gases.

At UWM, that landed him in Nasiri’s lab working on the UWM microgrid, an innovative energy distribution system that is about to do something epic with renewable and traditional electricity.

Nasiri's microgrid testbed is aiming to integrate multiple green energy sources into the national electrical grid. By creating virtual microgrids, providing uninterrupted power to small areas that might become disconnected from the grid in the event of a power outage.

This research brought Fu into contact with UWM industry partner Eaton Corporation, where he interned in 2012 and became a full-time employee in 2013. The company is interested in supplying all parts necessary to operate microgrids once they are commercially available.

One of Fu’s tasks is to develop a virtual microgrid platform in the lab. Through communication and metering interfaces, the platform at Eaton is capable of demonstrating microgrid management, control and protection.

Fu said he decided to stay in Milwaukee, even before receiving the job offer at Eaton, because he really likes the city.

“There are a lot of industries here that provide opportunities for professors and students to participate in industrial projects and find jobs.”

How did he choose between using his education in academia or the private sector? The choice comes with a trade-off, he says.

“Want to spend time doing research, but you have to keep in mind that there’s a monetary component in industry. You have to be familiar with the business and market in order to find a channel to monetize your innovation. This is very important for PhD students to learn.”

Fu has become an adjunct at UWM so that he can be tethered to the wide range of ongoing research projects in his field.

“Without the constraints of the market placed on them, academic researchers have more freedom to explore the future direction of innovation. They can take a longer look forward.”

A UWM education prepared you for the life ahead. Today’s UWM students are having similar experiences. Meeting new friends, pulling late night study sessions, getting ready for their own journey. The UWM Annual Fund is a way for Panthers to support Panthers as they begin their journey.

Supporting the UWM Annual Fund and your school or college ensures deserving students have access to UWM and helps us maintain our status as a world-class educational institution.
Make History & Innovate Industry

FROM MAKING RENEWABLE ENERGY MORE AFFORDABLE FOR CONSUMERS TO MEDICAL IMAGING THAT MAKES ACCURATE MEDICAL DIAGNOSES FASTER AND MORE COST EFFECTIVE, THE UW M COLLEGE OF ENGINEERING AND APPLIED SCIENCE LEADS IN RESEARCH THAT IMPROVES LIVES AND INNOVATES INDUSTRY.

Groundbreaking work in data encryption in the late 1960s helped the computer science program establish an international reputation, and a 1990 graduate of the master’s program may be one of the best-known computer scientists in the world. Today, Satya Nadella, works in Seattle, as CEO of Microsoft.

As the college celebrates its 50th anniversary this fall, here’s a look at its rich research history and potential for the future.

A ‘growing place’

Years before the phrase “data security” worried the world, UWM researchers were pre-emptively attacking the problem.

George Davida, an electrical engineer who’s now an emeritus professor, was one of about a dozen faculty hired in the late 1960s for the newly created UWM College of Engineering and Applied Science. He delved into unbreakable codes that can hide information, quickly becoming one of the foremost leaders in the field and creating UWM’s Center for Cryptography, Computer and Network Security.

"Davida was way ahead of his time," said K. Varavan, hired in 1968 and now an emeritus professor of electrical engineering and computer science. "It was cutting edge research in a developing field."

For the latest schedule, registration information, If You Go

If You Go

EVENTS ARE SCHEDULED FROM LATE SEPTEMBER THROUGH OCTOBER 2015, AND INCLUDE A RIVERBOAT TOUR ON OCT. 3 TO KICK OFF HOMECOMING WEEK, TAKE YOUR DEAN TO WORK DAY(s) WITH ENGINEERING DEAN BRETT PETERS AND MORE!

FOR THE LATEST SCHEDULE, REGISTRATION INFORMATION, TO SHARE YOUR STORIES AND MORE, PLEASE VISIT uwmani.edu/engineering/50th.
CALLING ALL PANTHERS, CARDINALS AND GULLS:

By Keri Duce

The first official homecoming celebration in UWM’s recent history opens campus doors, long-closed yearbooks, and looks forward as UWM celebrates the inauguration of ninth chancellor Mark A. Mone and changes the architecture of its beloved eastside campus with the public dedication of the new Kenwood Interdisciplinary Research Complex and installation of a new statue on Spaights Plaza.

It’s all part of UWM Alumni Homecoming Week, Oct. 2-10, 2015, and UWM alumni and friends across the ages are invited.

“We have more than eight days of events and alumni from seven decades joining us on Milwaukee’s Eastside for Alumni Homecoming Weekend,” said UWM Associate Vice Chancellor of Alumni Relations Adrienne Bass. “Now is the perfect time to make plans to join your UWM friends and family for this historic celebration of school spirit, campus pride and great Milwaukee moments. ”

Throughout the week, homecoming attendees and guests can enjoy movies in the Union Cinema, visit favorite eastside establishments and meet up with friends old and new.

Few alumni are as busy preparing for homecoming weekend as Milwaukee-area artist and two-time UWM arts alumnus Tom Queoff. The 1970-73 Panther football star is putting the very final touches on a bronze Panther statue that will be installed on Spaights Plaza to commemorate homecoming weekend and the 50th anniversary of UWM’s mascot.

“This project brings back good memories, and I feel privileged to do my best to give back to the university,” said the owner of Tom Queoff Sculpture Studio.

The bronze panther starts prowling Spaights Plaza on Oct. 10. Additional highlights of homecoming weekend are listed below. A complete events calendar, registration information, accommodations, prices and more are available at uwm.edu/homecoming.

Saturday, Oct. 3
“TEDxUWMilwaukee: React Differently” speakers discuss how personal and professional reactions can create waves of unknown size and consequence. Fifteen speakers share their ideas.

Men’s soccer faces Valparaiso University and women’s soccer plays Youngstown State in two important Horizon League matches.

Monday, Oct. 5
Be back on campus by lunchtime for a homecoming pep rally, featuring speeches, prizes and more.

Evening events include a campus talent showcase. The Manfred Olson Planetarium hosts a Northern Lights show at 7 p.m.

Tuesday, Oct. 6
Browse the Artist Fair and Farmers Market in the Union by day.

In the evening, attend a lecture by UWM Common Read author Jennifer Morales, who will give an engaging talk on her short story collection “Meet Me Halfway – Milwaukee Stories.”

Wednesday, Oct. 7
Svet the Hip Hop Violinist brings his unique sound to Spaights Plaza, where food and balloon animals will be available. TEDxUWMilwaukee hosts an evening talkback with “React Differently” speakers.

Thursday, Oct. 8
The UWM Jazz Ensemble plays the plaza. Comedians Greg Wilson and Omid Singh keep alumni laughing in their evening show. Trivia is on tap at the Gasthaus.

Friday, Oct. 9
Daytime in the Union, enjoy the 1956 Celebration and its abundance of activities, giveaways, food and fun.

Be sure you have your tickets and your dresses attic ready for the Alumni Awards Evening at Pier Wisconsin.

Saturday, Oct. 10
Panther Prowl 5K, a food truck festival and campus open house, Panther Fanatorium, a Club Football game and UWM Family Weekend. Plus, there’s a welcome party for UWM’s newest addition, that bronze panther mascot – 750+ pounds of panther pride.
Caption: Milwaukee firefighter and paramedic Andrew Hargarten takes a break from his doctoral studies at UWM. He also is enrolled in the paramedic training program.

If you go

**If You Go**

**College of Nursing 50th Anniversary Gala**

Over the course of five decades, the University of Wisconsin-Milwaukee College of Nursing has graduated more than 7000 nurses. In recognition of the college’s 50th Anniversary, a series of events will be held September 2015 through June 2016. Celebrations will recognize the College of Nursing’s influence, impact, community engagement and health care initiatives in the State of Wisconsin, nationally and across the globe. We extend an invitation to alumni, friends, faculty and supporters to celebrate this momentous milestone. Please join us.

**50th Anniversary Highlights**

- October 10: Participation in the 11th Annual Panther Prowl 5K
- November 5: Mentoring and Nursing Leadership Preceptor Recognition event
- April 14: Celebrating Community Impact
- April 15: 50 Distinguished Alumni reception
- April 16: 50th Anniversary Gala

For registration information and a complete calendar of events, please visit uwm.edu/nursing/50th.
UWM chancellor Mark Mone described a $1 million gift from James and Yvonne Ziemer to the College of Nursing as “transformational” for both UWM and the region, allowing the college to admit more students to meet Wisconsin’s nursing shortage and enhance its clinical training opportunities for nursing majors.

James Ziemer is a three-time UWM business school alumnus and the former CEO and president of Harley-Davidson Inc. “This gift expresses our hope that our children, and our grandchildren, and all families within our community, will have access to the highest quality nursing care,” the Ziemers explained in a joint statement.

The Ziemers’ gift will help fund and name a clinical simulation center on UWM’s eastside campus. The James and Yvonne Ziemer Clinical Simulation Center will provide UWM nursing students with state of the art experiential learning in simulated clinical settings, and enable the college to increase its enrollment by up to 30 percent. The university is home to Wisconsin’s largest nursing program.

“The new Ziemer Clinical Simulation Center will be a place for innovative clinical learning, not only for our nursing students, but for students from our College of Health Sciences and other UWM schools and colleges,” Mone said. “Integrated professional development at the cutting edge of interdisciplinary learning will be possible here.”

“We are so grateful to the Ziemers for their vision and extraordinary generosity,” added Sally Lundeen, dean of the College of Nursing. “Their gift assures that our College of Nursing will remain among the top nursing education programs in the country for many years to come and will provide the cornerstone for innovative inter-professional health education and research. The simulation center will also strengthen UWM’s ability to fill a growing nursing shortage in Wisconsin.”

The center will provide a “real world” environment for teaching, learning and research where students are trained in patient care through use of models, manikins, medical equipment and living patients.

“We know that UWM has outstanding students and faculty, and they need our support to expand their capacity to meet the workforce needs of the future,” explained the Ziemers, who live in the greater Milwaukee area.

Top business alum provides support to a top health profession

The demand for new nurses is projected to be 7,500 annually by the year 2020, based on forecasting models from the Wisconsin Department of Workforce Development.
AN AMERICAN ATTORNEY IN KABUL, KIMBERLY MOTLEY’S JOURNEY IS
SHAPED BY MILWAUKEE, Inspired by Justice

By Carolyn Bucior

IN MARCH 2015, FARKHUNDA MALIKZADA’S DEATH CAUGHT
THE WORLD’S ATTENTION. JUST 27 YEARS OLD WHEN SHE
WAS FALSELY ACCUSED OF BURNING THE QURAN, THE
AFGHANI WOMAN DIED AT THE HANDS OF A VICIOUS,
ALL-MALE MOB THAT BEAT HER, SET HER ON FIRE AND
THREW HER IN THE KABUL RIVER.

In a Kabul courtroom, Malikzada’s family was represented by UWM alumna Kimberley Cy Motley, who became the first foreign lawyer working in Afghanistan when she signed on to a State Department legal education program in 2008.

“As I travel, I see how abnormal the legal system is in so many countries,” Motley told UWM Alumni. “I want to raise the capacity of legal representation worldwide while continuing to educate needy people of their rights. For as abysmal as it can be, you never give up hope. Where would American women be if we had given up hope in our fight for equal rights?”

Motley’s quest for justice and human rights in some of the world’s most remote courtrooms and corrupt prisons began in Milwaukee, where she earned four college degrees in six years, including bachelor’s and master’s degrees in criminal justice from the Helen Bader School of Social Welfare. She’ll talk about her thriving international law practice and her Milwaukee roots on Oct. 15, when she returns to her alma mater as keynote speaker of a fundraising event for Helen Bader School of Social Welfare student scholarships.

“A fighter, a lawyer, a visionary

Of the 49 suspects tried in Malikzada’s death last spring, four were sentenced to die. But the men’s sentences were promptly overturned behind closed doors.

“It’s depressing, but fighting a corrupt criminal justice system keeps pulling me back,” Motley said.

About 30 percent of Motley’s practice is pro-bono work on behalf of women and girls like Malikzada, who are trapped in a criminal justice system that imprisons and even executes them for “moral crimes” like fleeing forced marriages, being forced into prostitution, or becoming the victim of domestic violence or rape.

This work has lead to some landmark rulings for her clients. “My work has lead to decriminalizing ‘running away’ as a crime,” Motley said.

Her practice has also captured the attention of the New York Times, Vanity Fair, the BBC, and became the focus of Motley’s TedTalk, “How I defend the rule of law.” The work has earned her something even more rare – acceptance in the country she lives in nearly nine months out of the year. “Afghans accepting me, that’s progress,” Motley said.

The remainder of Motley’s caseload is comprised of non-Afghan defendants in Kabul. Of her 90 percent success rate in Afghan courtrooms, Motley says the sweetest victories, surprisingly, are the ones she earns for her foreign clients.

“That person can get the hell out of [Afghanistan],” Motley said. “That person can get the hell out of [Afghanistan],” she said. An Afghan woman, even when she wins in the courtroom, returns to a society in which systemic victories for human rights are yet to be achieved.

Motley grew up in Milwaukee’s Berryland Housing Development and attended Whitnall Bay High School. After she completed her education with a Marquette Law degree, she became a Milwaukee public defender.

Her time at UWM was marked by “extremely encouraging” faculty and staff. She had two of her three children while a student. Her social welfare education also made a difference. “At UWM I learned how to research social issues and the importance of publishing. That definitely helped me in Afghanistan, especially when I performed an assessment of their juvenile justice system,” she said.

Afghanistan may be just the first stop of Motley’s larger journey. World has spread of her passion and unique capabilities and she is expanding her services and mission to India, Uganda Bolivia and more.

Travel won’t be required for anyone who wants to follow Motley’s international quest for justice. A Danish-made documentary, “Motley’s Law,” will premiere at the Chicago International Film Festival in October and a TV series based on her life is currently in the works.

Looking back on Milwaukee

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For registration information and a complete calendar of events, please visit uwm.edu/socialwelfare/about/timeline/ All sponsors are required to have a representative present.

October 15, 5-8:30 p.m. Harley-Davidson Museum

Guest speaker: Kimberley Cy Motley, international human rights lawyer and alumna

Cost: $100; 11 sponsorship opportunities range from $200 to $15,000

If You Go

The HBSSW has graduated more than 10,000 family therapists, FBI agents, school social workers, police chiefs, community advocates and more, providing southeastern Wisconsin with an unprecedented force of social welfare experts. In recognition of the college’s 50th Anniversary, the school invites alumni, friends, faculty and supporters to come together to a student scholarship gala. Please join us.

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Guest speaker: Kimberley Cy Motley, international human rights lawyer and alumna

Cost: $100. 11 sponsorship opportunities range from $200 to $15,000

For registration information and a complete calendar of events, please visit uwm.edu/socialwelfare/about/timeline/

Or contact: Robert Keeler, keeler23@uwm.edu or 414-229-6990

Alumni Office, Oliver@uwm.edu or 262-383-1129

UWM Alumni FALL 2015
“There is crying in startups.”

PANEL:
How to Succeed as an Entrepreneur

View hundreds of career webinars by top experts

Seek Advice
Mastering the Case Interview
Careers in Arts Management

The UWM Alumni Association offers alumni FREE ACCESS to a library of hundreds of webinars that provide career advice from industry insiders, viewable anytime.

Questions? Contact Cindy Petrites in UWM Alumni Relations at petrites@uwm.edu.

Log in with your student or alumni email address:

uwm.evisors.com

UWM Alumni Association

PANTHER PROWL

SATURDAY, OCTOBER 10, 2015
Race begins at 10am

5K run/walk on the UWM campus and in Lake Park

Register Now!
pantherprowl.net

Log in with your student or alumni email address:

uwm.evisors.com
Leadership Development, Economic Growth

By Angela McManaman

The center will incorporate and enhance our community and our economy beyond anyone's fondest hope," Lubar said. "The opportunity to provide this support is more gratifying for me, perhaps, than it is for the students," Lubar said.

A former president of the UW System Board of Regents, Lubar said one of his proudest accomplishments was launching an initiative to increase minority enrollment across the entire UW System. "I just recently saw the statistics and 94 percent of those who kids had been part of the diversity program graduated from high school and went on to college," Lubar said. "The numbers are just stunning.

"The American Dream is out there," he added. "Don't ever believe that it isn't."
In a Global Economy,

**LUBAR SCHOOL OF BUSINESS LEADS THE WAY**

By Dan Simmons

THE JOURNEY OF A CONSUMER PRODUCT FROM RAW MATERIAL TO STORE SHELVES USED TO BE A SIMPLE ONE. FACTORIES IN THE U.S. MADE THE PRODUCTS. U.S. COMPANIES SHIPPED THEM, AND CONSUMERS LIKE US BOUGHT THEM IN CORNER STORES AND BIG-BOX RETAILERS.

Everything changed with unilateral trade deals that began proliferating in the mid-1990s, making it cheaper for companies to manufacture and sell abroad and lengthening the supply chain. Products now regularly journey across oceans and pass through different cultures.

“Supply chains have become much more complex,” said Anthony Ross, Rockwell Automation Endowed Chair in Supply Chain Management at UWM’s Lubar School of Business. “At the same time, consumers became much more sophisticated.”

The Lubar School of Business has offered responsive, high-quality programs meeting the needs of major U.S. industries for 50 years. To meet the challenges introduced by global markets, the recently reaccredited programs are helping prepare students for the future.

Anthony Ross, then a professor at Michigan State University, the world’s largest company devoted exclusively to industrial management, collaborating with Rockwell Automation, the Rockwell Automation Endowed Chair in Supply Chain Management at the Lubar School of Business. “At the same time, consumers became much more sophisticated.”

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Alumni chapters may be located in the Milwaukee area, and associated with a particular college or based on members’ common interest or affinity. Several regional chapters exist to promote Panther Pride to UWM alumni living within their geographical area. Membership in an alumni chapter has other benefits as well, including boosting leadership skills, promoting networking and professional development and fostering community engagement.

For example, the Lubar School of Business Alumni Chapter hosted its 4th Annual Signature Event in June 17 at the Pilot House in Discovery World. Paul Baniel, 1983 Lubar graduate and currently vice president of finance & administration for the Green Bay Packers, was the keynote speaker.

Guests enjoyed a lively discussion of Baniel’s fascinating career in the world of professional sports. This sort of experience illuminated the Lubar School of Business Alumni Chapter’s mission to enrich the UWM alumni experience and foster friendships and networking relationships in the Milwaukee community.

Baniel is in his sixth year of leading the Green Bay Packers’ financial operations—and in his third year as vice president of administration for the organization.

In addition to overseeing the daily operation of the club’s finances, facilities and information technology, Baniel represents the Packers at the NFL level on economic issues and leads strategic initiatives for the organization. He is integrally involved in Lambeau Field’s $312 million expansion project, drawing on his experience in major projects with the Milwaukee Brewers and Potawatomi Hotel and Casino while he was in leadership roles in those organizations.

A certified public accountant, Baniel also oversees auditing processes and works closely with the club’s treasurer, the board of directors’ audit and investment committees and the stadium district.

“Paul is a valuable member of our senior staff,” said Mark Murphy, Packers president and CEO. “His experience in professional sports has been an important asset to the organization as both the team and the league have worked through some challenging economic times. We appreciate his strong leadership within the organization and the impact he has on our development efforts in and around Lambeau Field.”

A Milwaukee native, Baniel earned his accounting degree with honors in 1983 from UWM. Paul and his wife, Nancy, a 1999 graduate of UWM’s College of Nursing, live in Green Bay and have four children: Nick, Claire, Mary, and Abby.

To learn about opportunities to engage with UWM Alumni Association chapters—or to start one—contact Cynthia Fitzsimmons, (414) 229-3266, or fitzsimm@uwm.edu.
Charles Knutson ('81 BS) is a Norwegian teacher who combined a May 2013 language and culture presentation at the Sons of Norway Trollheim Lodge near Denver, Colorado. Knutson is also the lodge’s musician and choir director, responsible for “stretching the lodge in countless ways.”

Larry Vanderhoof ('64 BS Education-Botany, '65 MS Education-Botany, Chancellor Emeritus of the University of California-Davis, released, “Indebted Davis: A Quarter-Century of UC Davis Stories... and Backstories.”

Wallace Cheatham ('72 MS Music Education, '02 Hon: PhD Fine Arts) had a piano composition included in the soundtrack of “Question for the Dead: American Spring 2014,” a documentary shown on HBO. After graduation, Cheatham went on to become an internationally distinguished composer, performing artist and scholar. He returned to UWM in 2002 to receive the honorary Doctor of Fine Arts degree.

Ed Hida ('72 MS and Heidt Hida '59 BS, '74 MS opened Heidt’s Corner Antiques & Collectibles at The Antique Center-Walker’s Point, Milwaukee’s oldest antique mall, 1134 S. 2nd St. This shop, named for its owners, offers 30 dealers in mid and modern antiques.

Sandy Brehl, of Muskego, is a retired teacher and an active member of the Society of Children’s Book Writers and Illustrators. This was her debut novel, “Writers & Illustrators. This was her debut novel.”

Mary Strautmann (nee Maki) ('60 BS Chemical Engineering) is development director for the Milwaukee Institute of Management Accountants (IMA), where she is the executive committee’s first female member. Strautmann also received the Exceptional Volunteer Award. A 38-year member of the IMA, Strautmann served as past president of the Greater Milwaukee Chapter, past regional vice president and Global Board Member. She also serves on the Milwaukee Area Technical College accounting advisory board.

Mary Jo (Paque) Baas ('66 BBA Finance) received the 2015 Police Award for Radio-Candidate Division from the American Association of Political Consultants. Baas is President of Liberty House Consulting and has three children with her husband, Steve Baas.

Judy Kain ('77 BFA Theatre) has been a professional actress for 37 years, appearing in more than 350 commercials and in more than 80 roles for film and television. She won a SAG Award for her role as Elizabeth Minn’s secretary on “Mad Men.” Other credits include “Married with Children,” “Modern Family,” “The Middle,” “Bones,” “Castle,” “Scrubs,” “Desperate Housewives,” “ER,” “Saltern,” “The West Wing,” “NYFD Blue,” “Friends,” and “The Drew Carey Show.” She has been voted Backstage Magazine’s “Best On Camera Acting Coach” for multiple years and teaches at her own studio acting school.

Brenda Avadian’s ('80 BA Communication, ‘82 MA Communication) book, “STUFFology 101,” was released in print and as an eBook. Avadian sold the worldwide English audio rights last year and is awaiting confirmation that it will be available in Korea. Avadian writes for U.S. News & World Report and in addition to the TheCaregiverVoice.com and STUFFology101.com. Avadian delivers keynote presentations nationwide, and is currently working on her tenth book.

Wendy Edmund Behrens (’70 BS Psychology, ’72 MS Educational Psychology) is development director for Southeastern Wisconsin Youth for Christ. He was previously with UW-Extension for more 25 years, retiring in 1999.

Molly Gribb ('88 MS Engineering, ’93 PEO Engineering, civil and environmental engineering department head and professor at the South Dakota School of Mines and Technology since 2010, ’86 BS Architecture, ’88 MARCH Architecture), who is a licensed professional engineer in Wisconsin, is the largest Rotary Club in the Scottsdale and Paradise Valley areas.

Mary Anne MacKenzie ('85 BA Economics) has a retailing management board book, “Baby Says ‘Moo!,” published by Disney-Hyperion. She is the author of four other picture books, the poetry instruction guide “Write a Poem Step by Step,” and more than 130 educational books for young readers. Her poems appear in numerous children’s books and anthologies. Her web site is joannmacken.com.

Michaela Szczesniak ('86 BS Nursing) earned the Milwaukee Journal Sentinel’s 2015 Nurse of the Year Award. This award showcases the compassion and dedication she has for her work, which has made major differences in the pain control of thousands of hospitalized children throughout the years.
ALUMNI
ASSOCIATION
UW
MILWAUKEE
NEW BOARD MEMBERS

THE UWM ALUMNI ASSOCIATION WELCOMES FOUR NEW MEMBERS TO THE BOARD OF TRUSTEES. HERE, THEY SHARED SOME COLLEGE MEMORIES AND THEIR BUSINESS PLANS.

Brad Bertler, ‘96, BBA in Accounting

Global Coordinating Services Partner – Ernst & Young LLP

In 20 years in public accounting, Brad Bertler has overseen global services for Wisconsin Fortune 500 companies and helped multinational clients reduce global risk and enhance their earnings per share.

And giving back to the community has been a priority. Bertler serves on the board of directors for the Kettle Moraine YMCA and for Sharp Literacy. He has worked with the United Way and United Performing Arts Fund.

Alumni Association: What was your favorite place on campus?

Brad: Hands down, the real bastaus from the early ’90s.

Alumni Association: Why are you excited to join the board?

Brad: I would like to see UWM be more representative, from a diversity perspective, of the community it serves. I know other alumni share this passion.

Todd Brennan, ‘14, MS in Freshwater Sciences & Technology

Watershed Project Manager – Alliance for the Great Lakes

Brennan works in planning, policy and education to address issues surrounding the health of the Great Lakes watershed.

Alumni Association: What was your favorite place on campus?

Todd: Most of my time was spent at Freshwater Sciences. They have a tradition and atmosphere that is supportive and family-like.

Alumni Association: How has UWM helped you since graduation?

Todd: The UWM network in helped. For my work, there are maybe two degrees of separation between me and most folks at Freshwater Sciences. I have collaborated with a former professor who is a Titan of Great Lakes research, recruited students to help on a watershed project, hired another student and cohosted a workshop with Freshwater Sciences-affiliated staff and scientists.

Katie Klein-Murphy, ‘04, BBA in Marketing

Founder and President of Gravity Marketing LLC

Klein-Murphy manages the strategic development and implementation of digital and social media within advertising and communications plans at Boelter + Lincoln. In 2015, Klein-Murphy was selected as one of Milwaukee Business Journal’s 40 Under 40. Passionate about giving back, Klein-Murphy is integral in the social media-driven #Saveitscycle fundraiser. She also volunteers with the Midwest Athletics Against Childhood Cancer (MACC Fund) and Special Olympics Wisconsin.

Alumni Association: What’s your favorite memory of UWM?

Katie: The energy that radiated throughout the campus. Whether it was during a sporting event or everyday conversations in between classes, the energy was palpable and inspired the feeling of being part of a larger global community.

Alumni Association: Why are you excited to join the board?

Katie: To connect with alumni around the world. It’s amazing to be able to inspire future and future graduates of UWM to remain connected with the university and to reaffirm the Alumni Association as one of UWM’s leading recruitment and support structures.

Michael Kuharske, ‘04, BBA in Accounting

Partner – Ernst & Young LLP

In 20 years in public accounting, Kuharske has overseen global risk and enhance their multinational clients reduce risk and enhance their revenue.

Alumni Association: Why are you excited to join the board?

Mike: A toss-up between playing lacrosse at the Klotsche Center and catching up on studies in the Union Grrl.

Alumni Association: How has UWM helped you since graduation?

Mike: I completed my business degree in the evenings after already establishing myself in business, so I missed on the tight-knit relationships so many students experience. It’s been impactful since then to connect with so many fellow business people who share a connection to UWM.

For more information, contact the Panther Ticket Office at (414) 229-5886 or uwmtix@uwm.edu

MEN’S BASKETBALL

Alumni deals for just $80 or $130!

WOMEN’S BASKETBALL

Alumni deals for just $25!

Alumni deals for just $25!

KLOTSCH CENTER
STAY CONNECTED
You will soon be able to read the UWM Alumni magazine anywhere!

WE ARE GOING DIGITAL

HOW TO GET IT
Please send an email to alumni@uwm.edu to join our email list!