

UWMREPORT

FACULTY/STAFF NEWSLETTER Volume 28, Number 9, December 2007

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Photography by Peter Jakubowski

More than a year earlier than anticipated, the University of Wisconsin-Milwaukee has exceeded its goal of raising \$100 million in funds from private sources, attracting a total so far of \$122 million during the Campaign for UWM.

Chancellor Carlos E. Santiago made the announcement at a gathering of community leaders and donors on Nov. 17 at Discovery World. The fund-raising effort officially began in January 2006 and will continue through the end of this year.

During the celebration event, philanthropist Michael J. Cudahy announced that he would provide funds to help UWM acquire land at the Milwaukee County Grounds in Wauwatosa to build a new College of Engineering and Applied Science building. The new satellite campus will be known as the Michael J. Cudahy Innovation Park.

"This campaign goal was 10 times larger than the last one undertaken in the 1980s," Santiago said. "When we began, I recall hearing from many doubters."

The total represents one-third of an ambitious effort to boost UWM support by \$300 million over the next six to eight years to significantly advance UWM's research mission, support the state's economy and provide students increased access to college.

The other two-thirds of the equation include

Celebration highlights (from top): Michael J. Cudahy (at podium) pledged to help UWM acquire land for a new engineering building. Welcoming the announcement were Chancellor Carlos E. Santiago (second from left); campaign co-chairs (from left) Dennis Kuester, Edward Zore, Sheldon B. Lubar and Gale Klappa; and Mike Mervis. Chancellor Santiago chats with State Sen. (and alumna) Lena Taylor and Tom Lufjak, vice chancellor for university communications and media relations. The Chancellor and Scott Emmons, interim dean of UWM's Peck School of the Arts, share a celebratory hand grip. Fireworks over Lake Michigan ended the evening.



Campaign for UWM surpasses expectations

It was less than 18 months ago when our university went public with its announcement that we would attempt to raise \$100 million by the end of 2008. Do you remember your reaction to that announcement? I recall hearing from many doubt-



Carlos E. Santiago

ers. To be honest, who could blame them? After all, this campaign goal was 10 times larger than the biggest all-campus campaign previously undertaken. (UWM's Second Century Campaign, from 1986 to 1989, had a \$10 million goal and raised just shy of \$11 million.)

Yet here we are: Still nearly 18 months from our intended

completion date with more than \$122 million in our pockets. (We are still accepting contributions through Dec. 31 as part of this campaign, so a final number is yet to come.)

It is likely that this campaign will be remembered for having three major contributors combining for about one-third of all funds contributed. Yet there is so much more. Three top benefits that come to mind are the guidance and direction given to us by our campaign leadership team, the growing reinvestment mindset being adapted by our benefactors, and the continuing refinement and dissemination of the University of Wisconsin-Milwaukee message.

CAMPAIGN LEADERSHIP

Spectacular is the word that comes to mind when considering our campaign leaders: Honorary Chair Sheldon B. Lubar, founder and chairman, Lubar & Company; and Campaign Co-chairs Gale E. Klappa, chairman, president, and CEO, Wisconsin Energy Corp.; Dennis J. Kuester, chairman and CEO, Marshall & Ilsley Corp.; Keith D. Nosbusch, chairman and CEO, Rockwell Automation; James L. Ziemer, president and CEO, Harley-Davidson Inc.; and Edward J. Zore, chairman and CEO, Northwestern Mutual.

These individuals embraced their leadership roles for the benefit of their alma mater and made it possible for our campaign to go forward in so many posi-

tive directions. Our university – and especially our academic and scholarship programs – will forever be indebted to them.

REINVESTMENT MINDSET

Private colleges and large public schools amid billion-dollar campaigns have generations of alumni on which to build their efforts. As a 51-year-old university with a limited history of asking its alumni to invest in the next generation of students, we have come a bit late to the game. But the Campaign for UWM showed we can catch up.

Before our campaign began on Jan. 1, 2006, this university received, on average, about \$10 million a year from contributors. During the campaign, that annual average increased to more than \$25 million. While the average may slump a bit in the near term, we need to continue to increase it in the long term. By working with the thousands of people who stepped forward to make contributions during the campaign, I am confident we will build that average.

THE UWM MESSAGE

The Campaign for UWM offered me countless opportunities to express to large and small audiences the growing importance of this university and its twin missions: strengthening our ability to be an institution of access and opportunity, and building our research profile to support the economic development of our city, region and state.

Along the way of gathering more than the \$100 million for the campaign, we also benefited from what I believe is a historic reinvestment in UWM by the State of Wisconsin through the 2007-09 state budget. There are connections between these positive developments. More and more, people appreciate what we are doing and are finding ways to show their support.

Finally, here on campus I want to thank everyone who played some role in the campaign and especially our Office of Development, former Vice Chancellor Lucia Petrie (who got us running in the right direction prior to her retirement), and David Gilbert and Stephanie Ackerman for maintaining our momentum over the concluding months of the campaign. We have proven that we can set lofty goals and we can reach them.

Carlos E. Santiago

Carlos E. Santiago, Chancellor

CAMPAIGN *From page 1*

\$100 million from increased grant money for UWM's research activities, and \$100 million from a renewed state investment in UWM.

Funding of the other two initiatives is well in hand, Santiago added.

In the just-completed fiscal year, a reorganization of UWM's research activities resulted in the largest total amount of external funding ever earned for research at UWM.

Also, Wisconsin Gov. Jim Doyle last month signed a budget that represented a historic reinvestment in UWM as part of his Grow Milwaukee for Wisconsin's Future initiative.

Santiago expressed gratitude to the many players who were key to the success of the campaign, especially the six co-chairs: Gale Klappa of We Energies, Dennis Kuester of Marshall & Ilsley Corp., Keith Nosbusch of Rockwell Automation, James Ziemer of Harley-Davidson, Edward Zore of Northwestern Mutual and Sheldon B. Lubar of Lubar & Company, Inc.

"For Wisconsin to compete, and especially for



Guests at the celebration enjoyed an elegant dinner at Discovery World.

the Milwaukee metropolitan area to successfully compete, Wisconsin must have a well-supported second research university and it must be right here in Milwaukee," said Lubar, whose \$10 million gift during the campaign led to renaming UWM's business school to the Sheldon B. Lubar School of Business.

2007 WINTER COMMENCEMENT

The university will hold its Winter Commencement ceremony at 2 p.m. on Sunday, Dec. 16, at the U.S. Cellular Arena, 400 W. Kilbourn Ave.

Invitations to participate in the graduation ceremony have been sent to 1,308 bachelor's degree candidates, 641 master's degree candidates and 78 doctoral degree candidates.

UW System Board of Regents member Michael J. Falbo will offer greetings, and UWM Chancellor Carlos E. Santiago will be the commencement speaker.

Congratulations to the new UWM alumni!



Alan Magayne-Roshak

GET THE LATEST ON THE WEB

A reminder that there is no January 2008 issue of *UWM Report*. For a complete schedule of events and the latest campus news, start your day at www.uwm.edu.

UWM REPORT

December 2007 Vol. 28, No. 9

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Editor: Nancy A. Mack
Assistant Editor: Laura L. Hunt
Designer: Mario R. Lopez
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University Communications and Media Relations
Mitchell B-95, 414-229-4271

Back issues of *UWM Report* are available on the Web at: www.uwm.edu/News.

This publication may be requested in accessible format.

Minority freshman enrollment up this fall

By Laura L. Hunt

The numbers of new freshmen at UWM this fall increased across all ethnic groups, but especially those of targeted students of color.

While the overall freshman class increased by 12.2 percent, the minority freshman enrollment increased by 16.3 percent, according to final tallies.

Enrollment of Latino freshmen increased the most, with a dramatic 44.4 percent rise, followed by an increase in American Indian freshmen (8.6 percent), African American freshmen (6.9 percent) and Southeast Asian freshmen (5.1 percent).

“We are very pleased with these final positive results,” says Cheng. “It indicates that the recent concentrated efforts the university has initiated to recruit and enroll students of color are taking us in the right direction.”

The numbers show new freshmen of color comprise 14.3 percent of the class, compared to 13.8 percent for 2006.

More about this semester’s freshman class:

- About 94 percent come from Wisconsin.
- Freshmen are almost evenly split between males and females.
- They come from almost 500 different high schools, mostly in Wisconsin, but also from 18 different states and 10 foreign countries.

UWM’s total student enrollment this semester is 29,358, an increase of 3.5 percent compared to last year. Undergraduate enrollment increased 3.3 percent and graduate student enrollment increased 4.8 percent.

UWM COMPARISON OF ENROLLMENT

	New Freshmen			Undergraduate Total		
	2006	2007	% Change	2006	2007	% Change
African American	261	279	6.9%	1,596	1,625	1.8%
Latino/a	144	208	44.4%	921	987	7.2%
American Indian	35	38	8.6%	184	183	(0.5%)
Southeast Asian	117	123	5.1%	519	537	3.5%
White	3,320	3,667	10.5%	19,310	19,897	3.0%
Asian	87	106	21.8%	540	547	1.3%
Unknown	61	73	19.7%	399	430	7.8%
International	18	41	127.8%	171	208	21.6%
Targeted Population Total	557	648	16.3%	3,220	3,332	3.5%
Non-Targeted Populations Total	3,486	3,887	11.5%	20,420	21,082	3.2%
Total	4,043	4,535	12.2%	23,640	24,414	3.3%

UWM ALUMNI ASSOCIATION AWARD FOR TEACHING EXCELLENCE 2007-08

By Erin Harrass

Professor Mark Keane in the Department of Architecture, School of Architecture and Urban Planning (SARUP), is the recipient of the UWM Alumni Association’s Award for Teaching Excellence 2007-08.

Among Keane’s strongest abilities is his success in realizing high-quality results from his students. The projects he assigns are challenging and have created a major stir in both the school and the architectural community.

By taking responsibility for teaching “An Introduction to Architecture” (Arch 100) – taking a huge class of freshmen new to the subject and relatively unskilled – he works diligently with the students, creatively exploring alternative teaching strategies to elevate this fundamental course to an exciting and rewarding experience both for students in the class and those viewing the results of their projects.

For example: the chairs project. Students are directed to design and build a chair – each student’s first design project at UWM. The collective impact of more than 450 scale models displayed at SARUP is so powerful that a Wisconsin-based furniture company now develops full-scale prototypes of the



Mark Keane

winning designs.

Keane is a master draftsman who has contributed more than any other teacher in the school to training students in freehand drawing – a basic but increasingly neglected “life skill” for students of architecture.

He has been in the forefront of advanced teaching techniques and media in the school and the university. His development of a film and digital video production course dramatically expanded the architecture students’ skills. It offers students the opportunity to work in cross-disciplinary projects with other students in graphics, film and the fine arts, producing new ways for students to observe, record and analyze architecture and present

their ideas in powerfully visual ways.

The foundation-level course is critical in an architecture student’s academic career. Keane’s lectures and projects entice creativity and promote determination. His course provides a test of desire and skill for pre-architecture students and illustrates a clear picture of what to expect from the school and the profession.

IT’S SNOWING LIKE CRAZY! IS CAMPUS CLOSED?

CHECK THE S.A.F.E. LINE

Harsh weather can occasionally force the cancellation of classes and public events. The university community can learn about cancellations by calling the S.A.F.E. Line (formerly the ‘Sno Joke line), 414-229-4444, as well as tuning in to local radio and TV broadcasts. Cancellations also will be reported on the UWM home page at www.uwm.edu.

Note that the university remains open to faculty and staff even when classes are canceled. If you are unable to make it to work because of bad weather conditions, check with your supervisor to learn about the policy for making up your time.

In addition to cancellations due to weather, the S.A.F.E. Line is one more place you can turn to for announcements in the event of any emergency on campus.



UWM WINS CACUBO BEST PRACTICES AWARD

UWM has won a 2007 Best Practices Award sponsored by the Central Association of College and University Business Officers (CACUBO) and supported by RBC Capital Markets.

CACUBO created the awards as part of its continuing effort to create better, more efficient and customer-friendly business practices within its member institutions.

Edward Nieskes and Heather Lee from UWM’s Accounts Payable department placed third for their submission, a program called “Throwing Out the Paper and Keeping the Data,” which focuses on implementing document imaging. The award comes with a \$500 honorarium.

Miami University in Oxford, Ohio, took first place, and the University of Iowa placed second.

Program submissions were evaluated by 24 program reviewers, who judged the submissions based on the effectiveness of the best practice, its measurable benefits, its applicability to other higher education institutions and future institutional benefits.

UWM forms new Task Force on Campus Safety

By Brad Stratton

DIVERSITY PROGRAMS FEATURE ROBBINS

Topics on Cross-Cultural Competence and Inclusion presents Steve L. Robbins, who coined the term "Unintentional Intolerance," in a series of programs Jan. 28 and 29.

Robbins inspires and motivates listeners to be more mindful about inclusion and valuing others for their unique gifts, skills and

experiences, engaging his audiences through a dynamic blend of humor, stories and an in-depth knowledge of human behavior.

A published author and highly requested keynote speaker, Robbins received his undergraduate degree in communication from Calvin College, Ann Arbor, Mich., and his master's and Ph.D. in communication from Michigan State University.

All programs will be held in the Golda Meir Library fourth floor Conference Center. Registration is restricted to one session per individual. To register for any of the sessions or for more information, visit <http://www4.uwm.edu/hr/SteveRobbins.html>. Those requiring disability accommodations should contact the Human Resources Department at 414-229-4463.

Sessions include:

MONDAY, JAN. 28

Unintentional Intolerance

8:30 a.m.–12:30 p.m.

Open to faculty, staff and administrators.

Cultural Competency in the 21st Century

1:30–4 p.m.

Open to faculty, staff and administrators.

TUESDAY, JAN. 29

Building Inclusion in Your Organization

8:30 a.m.–12:30 p.m.

Open to campus administrators ONLY.

Dialogue on Racism

1:30–4 p.m.

Open to faculty, staff and administrators.

Sponsored by the Department of Human Resources in conjunction with the Chancellor's Council for Inclusion, Office of Equity/Diversity Services, Affirmative Action in Faculty Employment Committee, Ombuds Council, Associate Vice Chancellor of Diversity and Climate Michael Powell, Provost and Vice Chancellor Rita Cheng, Women's Resource Center, LGBT Resource Center, Multicultural Student Center, Center for Volunteerism and Student Leadership, Roberto Hernandez Center and the Institute on Race and Ethnicity.



Steve L. Robbins

The safety of students, faculty, staff and neighbors – which has been a high campus priority during the fall semester – will receive even more attention in coming months by way of a new UWM Task Force on Campus Safety, according to Chancellor Carlos E. Santiago. The chancellor announced the new task force on Nov. 20 at a media briefing on campus.

"Are we making the investments necessary to keep students, faculty, staff and neighbors safe?" asked the chancellor. "That is what we want the task force to review."

The task force is being chaired by Stan Stojkovic, dean of the UWM Helen Bader School of Social Welfare and a professor of criminal justice within the school. It will review recommendations made in recent months by the Safe Campus Committee.

"The UWM Task Force on Campus Safety is being organized to give us an objective analysis of what we are doing and what else could be done, both from a sense of how our campus safety initiatives are organized and the processes being used," said Stojkovic. "In creating the task force, UWM is seeking a focused group that can bring specific knowledge and expertise to best examine the specifics of UW–Milwaukee's safety programs."

At the Nov. 20 event, UWM Police Chief Pamela Hodermann announced that safety proposals made by the Safe Campus Committee – including hiring additional full-time police officers and other safety personnel, and purchasing equipment – are going forward. These include:

- Hiring five additional full-time police officers.

Chief Hodermann said this process is already under way, and it is anticipated that at least three new officers will be on staff by the start of the spring semester on Jan. 22, 2008.

- Hiring four additional full-time security officers.

At UWM, security officers act in a support role to other departmental personnel and are assigned to keep safe U-Park lots and other university property.



- Seeking to acquire two additional police vehicles. These are intended to complement existing squad car, bicycle and foot patrols of the campus and the nearby area, and are deemed needed to allow the university to more comprehensively patrol expanding campus properties, including the new Kenilworth and RiverView residence housing facilities south of the main campus.

State approval is still needed to acquire the vehicles.

- Lengthening the hours that the B.O.S.S. (Be On the Safe Side) late-night student transportation vans are available. University Police employees will drive the vans beyond the previous operational hours, which ended at 2 a.m.

An initiative not recommended by the Safe Campus Committee but which will go forward, too, is neighborhood foot patrols to supplement existing police patrols. Equipped with radios, outfitted in easy-to-see reflective vests and operating in groups of at least two, neighborhood foot patrols will make more dense the coverage of the UWM neighborhood. Foot patrols will take place between about 7 p.m. and 4 a.m., and are expected to be operational yet this semester. Initially, students will be hired for the patrols.

At the media briefing, Student Association President Rob Grover said safety is a top issue among students, and called the latest action by UWM "a great step in the right direction."

UWM administrators will invite individuals to serve on the Task Force on Campus Safety from the Milwaukee Police Department, Milwaukee County District Attorney's Office, other universities and from UWM. "We are seeking those who can provide an independent review of UWM policies and practices," said Stojkovic. All names will be announced in the near future.

UWM has organized all of its campus safety information at <http://www.campusafety.uwm.edu>.

The Safe Campus Committee Report is online at <http://www4.uwm.edu/safety/upload/safereport4.pdf>.

MCLEAN NAMED FIRST KELLNER PROFESSOR

By Kathy Quirk

Mary McLean, professor of education and director of the Early Childhood Research Center at UWM, has been named the first Kellner Professor in Early Childhood Education.



Mary McLean

The Kellner Professorship, the School of Education's first endowed professorship, was established in spring 2007 through a gift from Mary and Ted D. Kellner.

McLean's research and writing focus on young children with disabilities and preparing teachers to work with this age group.

Her nationally recognized work is a strong fit with the Kellner Professorship's goal of improving early childhood education, particularly in urban settings, through scholarly research.

McLean earned her M.A. from Peabody College (now part of Vanderbilt University) and her doctorate from the University of Wisconsin–Madison. She has consulted with organizations around the country on outcomes-based assessment and accountability in early childhood special education.

The Kellners have a long-standing interest in

education. In announcing the gift last spring, Mary Kellner said: "I've been involved with the Next Door Foundation's early childhood programs, and I've seen how important it is for children to get a good start, especially when they don't come from privileged backgrounds. So many children get to school and they start behind and they never catch up."

The Kellners chose to make the gift to UWM's School of Education because of its strong focus on urban education and its comprehensive and rapidly growing early childhood education program.

Mary Kellner, who earned her bachelor's degree in elementary education at UW–Madison, a master's degree in educational psychology from UWM, and recently completed her doctorate in education leadership from Cardinal Stritch University, is a member of the UWM Foundation Board.

Ted Kellner, founder, chairman and chief executive officer of Fiduciary Management Inc., is former chairman of the UW Foundation Board of Directors. The Kellners have also contributed to the School of Education and the Lubar School of Business through the Kellner Scholarship Fund. The Kellner Professorship is structured to have a new faculty member filling it every five years.

McLean will begin the planning work for the position in January, and officially assume the professorship for the 2008-09 academic year.

FROM THE PROVOST

UWM Master and Academic Planning context and update

By Rita Cheng, Provost and Vice Chancellor for Academic Affairs



The Master and Academic Planning processes will position the university to further the campus goals of increasing research productivity, ensuring student success, enhancing the diversity of students, faculty and staff, and spurring the economic development of Southeastern

Wisconsin. Since the beginning of the school year, faculty members from across campus have been at work on a critical foundational task: developing the framework for academic visioning, which will guide and inform campus master planning.

Academic visioning is being facilitated by three subcommittees: Engineering and Basic Sciences; Health; and Liberal Arts and the Professions. They are comprised of faculty, deans, Academic Affairs staff and UWM planners and architects. Many of these individuals are also part of university governance. The subcommittees are charged to:

- Communicate to different constituencies about the academic planning process;
- Engage department chairs, directors of large interdisciplinary centers and deans in gathering academic planning information through the use of a Web-based questionnaire;
- From information submitted via the Web-based questionnaire, identify affinities and key linkages among programs and faculty research areas, including possible scenarios for how these areas might develop in the future to strengthen UWM's academic programs; and
- Provide an advisory role to the space planning process (regional and Kenwood campuses).

Academic visioning is a key phase of the UWM master planning process. It is meant to be an inclusive process, inviting the thinking and ideas of all faculty members.

The following assumptions underlie the subcommittees' work:

- UWM's doctoral, master's and undergraduate programs may grow in several disciplinary and interdisciplinary areas.
- In response to the region's economic needs and building on areas of developing strength for UWM, anticipated investments will likely follow the pattern of the 2007-09 UWM Budget Initiative and be focused in research clusters involving engineering,

sciences and health.

- Growth is also projected for non-engineering and sciences and health areas. Financial planning for programmatic and research growth will be multidimensional, including private monies, federal support, extramural funding and tuition.

- UWM's assignable space is insufficient in quantity and quality to meet current demands, and most certainly future demands, for research, instruction and student services.

- The chancellor's strategy to extend UWM's footprint to include regional campuses has received widespread support from different stakeholders.

- Disciplines projected to need additional facilities (likely located on regional campuses) are:

- 1) Engineering and Basic Science clusters (potentially located or co-located in new facilities on current Milwaukee County grounds).
- 2) Health Disciplines (potentially located or co-located in new facilities adjacent to Aurora and the Pabst development near downtown Milwaukee).
- 3) The Kenwood campus itself may expand its current footprint with the potential acquisition of Columbia Hospital.
- 4) Normal governance procedures will be followed in the academic and master planning processes.

After the incorporation of input from governance groups, the questionnaire format was slated to be finalized by the Master Planning Coordinating Committee at its Nov. 30 meeting. I anticipate a completion date for the Web-based questionnaire of Feb. 8, 2008.

This time frame will allow subcommittees to compile responses and identify academic and research affinities and linkages, and consult with deans, the provost and the vice chancellor for research.

When our master planning consultants arrive on campus later in the spring, I am confident that we will have a good start on providing the information needed to envision the physical facilities UWM will need over the next 10 to 20 years to realize our mission and to build on Chancellor Santiago's vision and goals.

Visit www.masterplan.uwm.edu. The Web site lists upcoming meetings and minutes from past meetings, and provides an overview of the master planning process.

Save the date!

'THINK PINK' AT THE KLOTSCHE CENTER FEB. 16

Join Panther women's basketball head coach Sandy Botham, the team, UWM fans and women's basketball devotees across the country in celebrating "Think Pink" Week on Saturday afternoon, Feb. 16, at the Klotsche Center. The week of Feb. 17 has been set aside by the Women's Basketball Coaches Association (WBCA) to help create awareness of breast cancer and related prevention programs.

At UWM, special ceremonies and a pregame tailgate gathering will surround a 2 p.m. Panthers game, when the team takes on Valparaiso University. Valparaiso is the newest member of the Horizon League.

More details will be available soon on the UWM Web site, on both the UWM Athletics page and UWM Alumni Association pages. Or contact Kathy Litzau, assistant athletic director, at 414-229-3739 or kclitzau@uwm.edu.



NOHL FELLOWS 2007-08 SELECTED

Seven recipients of the Greater Milwaukee Foundation's Mary L. Nohl Fund Fellowships for Individual Artists have been selected from a field of 155 applicants in the fifth annual competition.

Gary John Gresl, Mark Klassen and Daniel Ollman were chosen in the Established Artist category and will each receive a \$15,000 fellowship.

Annie Killelea, Faythe Levine, Colin Matthes and Kevin Miyazaki will receive Emerging Artist fellowships of \$5,000 each.

In addition to receiving an award, the Nohl Fellows will participate in an exhibition in the autumn of 2008. An exhibition catalogue will also be published and disseminated nationally.

Funded by the Greater Milwaukee Foundation's Mary L. Nohl Fund and administered by the UWM Peck School of the Arts in collaboration with Visual Arts Milwaukee! (VAM!), the Mary L. Nohl Fund Fellowships for Individual Artists

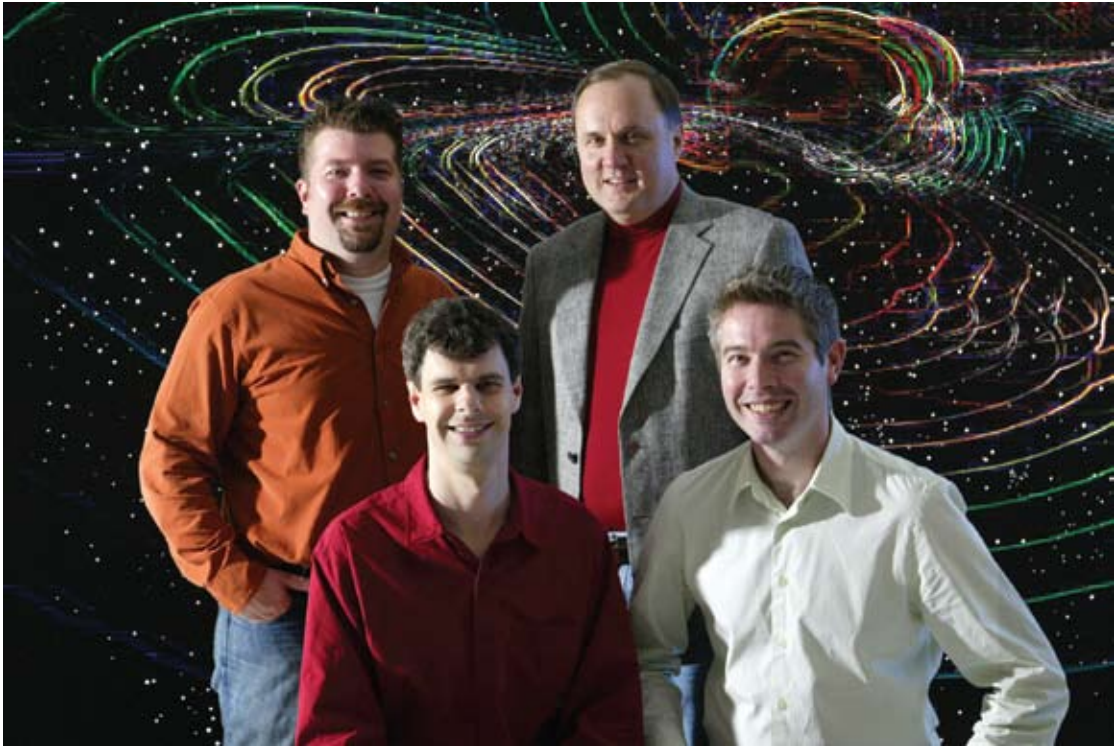
provide unrestricted funds for artists to create new work or complete work in progress. The program is open to practicing artists residing in Milwaukee, Waukesha, Ozaukee and Washington counties. The Mary L. Nohl Fund also supports a Suitcase Fund for exporting work by local artists beyond this four-county area.

The panel of jurors included Ingrid Schaffner, senior curator at the Institute of Contemporary Art (ICA), University of Pennsylvania, Philadelphia; Hamza Walker, associate curator and director of education for the Renaissance Society at the University of Chicago; and Clara Kim, associate curator and acting director at REDCAT (Roy and Edna Disney/CalArts Theater), Los Angeles. The panelists were in Milwaukee Nov. 1-3 reviewing work samples and artists' statements, and visiting the studios of the six finalists in the Established Artist category.

A new window on the universe

By Laura L. Hunt

Photography by Alan Magayne-Roshak; composite by Greg Waltz-Chojnacki



UWM physicists who are working on the international LIGO project are (clockwise from left) Xavier Siemens, Alan Wiseman, Patrick Brady and Jolien Creighton. All four faculty members came to UWM after completing postdoctoral research on gravitational waves at Caltech.



The entire UWM LIGO team includes undergraduates, graduate students, postdoctoral students, computing consultants, scientists and faculty. Pictured from left to right are: (First row) Jessica Clayton-Hodges, Assistant Professor Xavier Siemens, Associate Professor Alan Wiseman, Adam Miller and Rahul Biswas. (Second row, from left) Professor Patrick Brady, Kevin Flasch, David Hammer, Nickolas Fotopoulos, Associate Professor Jolien Creighton, Jocelyn Read and Ruslan Vaulin. (Back row) Scott Koranda, Paul Armor and Brian Moe.

MORE ON LIGO

For more on the LIGO project:

[www.youtube.com/
watch?v=RzZgFKolfQI](http://www.youtube.com/watch?v=RzZgFKolfQI)

For more on gravitational waves:

[www.youtube.com/
watch?v=PSWnOSSQS_Q](http://www.youtube.com/watch?v=PSWnOSSQS_Q)

Take a tour of the Nemo supercomputer:

[www4.uwm.edu/about_uwm/news_
press/ligo_movie.cfm](http://www4.uwm.edu/about_uwm/news_press/ligo_movie.cfm)

For more on UWM’s Center for Gravitation and Cosmology, including LIGO links:

<http://www.gravity.phys.uwm.edu/>

For more on Einstein@Home:

<http://einstein.phys.uwm.edu/>

Using new tools to look at the universe, says Patrick Brady, often has led to discoveries that change the course of science. History is full of examples.

“Galileo was the first person to use the telescope to view the cosmos,” says Brady, a UWM professor of physics. “His observations with the new technology led to the discovery of moons orbiting Jupiter and lent support to the heliocentric model of the solar system.”

Just such an opportunity exists today with a unique observatory that is scanning the skies, searching for one of Einstein’s greatest predictions – gravitational waves.

Gravitational waves are produced when massive objects in space move violently. The waves carry the imprint of the events that cause them. Scientists already have indirect evidence that gravitational waves exist, but have not directly detected them.

UWM researchers, backed by considerable funding from the National Science Foundation, are taking a leadership role in the quest.

It is an epic undertaking involving about 500 scientists worldwide, including Brady and other members of UWM’s Center for Cosmology and Gravitation: associate professors Alan Wiseman and Jolien Creighton, and assistant professor Xavier Siemens. Two UWM adjunct physicists, who work at the Max Planck Institute in Germany, also are involved – former UWM professor Bruce Allen and scientist Maria Alessandra Papa.

“It’s an unimaginable opportunity to be on the forefront of scientific discovery,” says Creighton.

The Laser Interferometer Gravitational-wave Observatory, or LIGO, consists of detectors at two U.S. sites managed by the California Institute of Technology (Caltech) and Massachusetts Institute of Technology (MIT).

UWM’s physicists are analyzing the data generated by the LIGO facilities.

The project is supported with a sizable investment of grant money from both federal and UWM sources. Last year, UWM’s LIGO group brought in \$3 million in grant funding. Since 1999, UWM has received more than \$9 million for the project, with much of it going toward a supercomputer called Nemo that operates unobtrusively on the second floor of the Physics Building.

STRETCHING AND SQUEEZING

The LIGO observatories use lasers to accurately monitor the distance between a central station and mirrors suspended three miles away along perpendicular arms. When a gravitational wave, a traveling ripple in space-time, passes by, the mirror in one arm will move closer to the central station, while the other mirror will move away.

The change in distance caused by stretching and squeezing is what LIGO is designed to measure, says Wiseman.

Those changes will be inconceivably tiny. LIGO can record distortions at a scale so small, it is comparable in distance to a thousandth of the size of an atomic nucleus.

LIGO records a series of numbers – lots of them – and feeds them to several supercomputer clusters around the country, including UWM’s Nemo cluster.

Think of a modern hard disk on a desktop computer, which stores about 100 gigabytes. LIGO fills up about 10 of those at Nemo in a single day, says Brady.

The computer’s job is to sort out the numerical patterns representing gravitational waves buried in ambient noise produced by lots of other vibrations – from internal vibrations of the equipment itself, to magnetic fluctuations from lightning storms, to seismic vibrations from trains rolling along the tracks a few miles from the observatory, or from earthquakes on the other side of the world.

“There are thousands or even millions of different signals that could be emitted from space,” says Wiseman. “So you have to take each segment of data individually. That turns out to be a formidable computational problem.”

Nemo performs many billions of calculations per second in its search for these signals.

To augment the computing capacity, UWM is hosting a way for anyone with a computer and a high-speed Internet connection to join the astrophysical treasure hunt. Called “Einstein@Home,” the program borrows computer power available when participants are not using it, and pools those resources to aid in filtering the massive amounts of data from LIGO.

POSSIBLE SECRETS

Scientists concede that the current LIGO facilities will need to be improved to increase the chances of detecting gravitational waves. More NSF funding to do that is requested in the 2009 U.S. budget currently winding its way through the approval process.

For now, the best hope is to detect events relatively close to Earth.

So what is the likelihood of success?

“The events we are looking for may only happen once every million years in our galaxy,” says Wiseman, “but if your instrument is sensitive enough to see such events in, say, one million galaxies, then the probability of detecting something is much larger.”

Gravitational waves may hold secrets to the nature of black holes, the unknown properties of nuclear material and maybe even how the universe began.

“We’ve only been able to find out about the universe since it became cool,” says Siemens. “But with gravitational waves, we’ll see the universe when it was much younger – and hotter.”

But then again, scientists don’t really know.

“I think we’re in for a surprise,” says Siemens. “We have all these ideas about what we think we will find, but it could be something completely different.”

RESEARCH NOTES

By Colin G. Scanes, Vice Chancellor for Research & Economic Development/Dean of the Graduate School

Great to be at UWM!

I was really pleased to be asked to write a column for *UWM Report*. My time at UWM has been exciting. I was attracted to UWM by the vision of the university becoming much more research intense and exerting an impact on economic development in Southeastern Wisconsin.



Colin G. Scanes

Before I arrived, I heard from a number of colleagues in different fields about the quality and reputation of faculty at UWM. I was impressed! After arriving in Milwaukee, my respect continues to grow for the institution, the Chancellor's vision and UWM's faculty, staff and students.

I had the pleasure over the summer of staying in Kenilworth

Square Apartments until I could move into a 110-year-old house on the East Side of Milwaukee close to the campus and be joined by my wife, Cate. The quality of Kenilworth and its staff was really something. Moreover, its proximity to a vibrant neighborhood was a joy.

Over the last few months, I have had the opportunity to visit with UWM faculty, staff, students and administrators, and so many people in the community, who are becoming colleagues and friends. Milwaukee is a very creative city, with outstanding arts and interesting architecture. There are both tremendous opportunities and, clearly, problems that need addressing urgently. UWM is making a difference in so many ways, with a few examples following:

- The excellent programs in the fine arts (I have already enjoyed dance concerts and seen an

example of filmmaking).

- The very strong programs in the social and environmental sciences that are impacting the lives of Wisconsinites.
- The cutting-edge programs in the natural sciences and engineering.
- The partnerships with organizations in the Milwaukee Metropolitan area, including hospitals, businesses, colleges and community groups.

The university is contributing to the economic development of the region with its educational, research and outreach programs. Last year, UWM had record years for research expenditures and awards, thanks to the talent and hard work of so many faculty.

We continue to need to do more to move this to the next level. Research per se has an impact on economic development. It is estimated by the U.S. Department of Commerce that for every \$1 million in research expenditures, 36 jobs are created.

One of the arenas that impact economic development is licensing of technology to companies or developing "spin-off" companies. On July 1, 2007, UWM became "master of its domain," with intellectual property now marketed through the UWM Research Foundation under the able leadership of Brian Thompson.

It is great to be at UWM working with such strong colleagues. Our goal is the following:

- To facilitate the efforts of faculty, staff and students irrespective of whether related to graduate education, research or economic development;
- To foster partnerships that foster the vision for the university.

BERLIN-BASED ARCHITECTURE FIRM CLAIMS MARCUS PRIZE

An architectural design firm in Berlin, Germany, has won the Marcus Prize, an architectural award given by the UWM School of Architecture and Urban Planning and the Milwaukee-based Marcus Corporation Foundation.

Barkow Leibinger Architects is only the second firm to win the Marcus Prize, which is awarded every two years. The goal of the competition is to "bring recognition to the emerging voices of excellence in architecture," says Robert Greenstreet, dean of the school.

The German-American firm was founded in 1993 by Frank Barkow and Regine Leibinger. Their approach consistently uses practice, research and teaching in projects ranging from cultural to industrial.

"Barkow Leibinger Architects' ability to seamlessly combine the beauty of craft, environmental excellence and technological invention made them a standout from the exceptional body of work reviewed," according to the jury.

The award was conceived to build architectural excitement both in Milwaukee and around the world, and it's doing exactly that. Recently, England's *Building Design* named the Marcus Prize the world's most lucrative prize competition for young architects.

"The Marcus Prize is a part of our ongoing commitment to support the growth and development of Milwaukee," says Steve Marcus, CEO of the Marcus Corporation and a director of the Marcus Corporation Foundation.

During the spring 2008 semester, the firm's architects will make visits to the school, lead a graduate studio, and participate in public workshops and lectures.



The Marcus Corporation Foundation is the philanthropic branch of the Marcus Corporation, a lodging and entertainment company based in Milwaukee.

Besides Greenstreet and Marcus, the jury included Ralph Johnson, FAIA, national design director, Perkins & Will, Chicago; Hugh Pearman, editor, *RIBA Journal*, London; and Susan Szenasy, editor-in-chief, *Metropolis Magazine*.

RESEARCH NEWS SNIPPETS

UWM LINK TO 2007 NOBEL PRIZE IN CHEMISTRY

Recently, the Royal Swedish Academy of Sciences announced the award of the Nobel Prize in Chemistry for 2007 to Gerhard Ertl of the Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany, "for his studies of chemical processes on solid surfaces."

I was delighted to hear from Emeritus Professor Ralph Vanselow of a UWM connection. In 1979, Dr. Ertl received the E.W. Müller Award for outstanding research in surface studies from UWM's Laboratory for Surface Studies. Moreover, the future Nobel Prize winner proudly includes in his curriculum vitae that his third award was UWM's E.W. Müller Award.

UWM RESEARCHERS IN THE NEWS

- Two UWM neuroscientists, Fred Helmstetter and Rodney Swain, are working with local company PhysioGenix to investigate a novel animal model the company has developed for researching diseases like depression, anxiety, schizophrenia and ADHD. (For more on this collaboration, see the October issue of *UWM Report* or check the Web at www.uwm.edu. Click on "Today@UWM"; the article ran Sept. 12.)

- The American Geographical Society Library at the UWM Libraries was named as one of the top five things that make Milwaukee great in "Experience Milwaukee."

CONGRATULATIONS

CONGRATULATIONS to the UWM faculty who have applied and been successful in obtaining grant support for their research. Very special mention is made of the group in the College of Nursing (Karen Marek as project director) who were successful in competing for a National Institutes of Health five-year P20 Exploratory Center Grant.



The Pavilion for Research & Production, TRUMPF Grösch AG, Grösch, Switzerland (left), an example of the work of architects Frank Barkow and Regine Leibinger (above).

AROUND CAMPUS CALENDAR



For ticket information, phone 414-229-5886 or visit www.uwm.edu/Dept/Athletics/.

MEN'S BASKETBALL U.S. CELLULAR ARENA

Wed., Dec. 12	vs. Wisconsin	7 p.m.
Wed., Dec. 19	vs. Central Michigan	7 p.m.
Thurs., Jan. 3	vs. Wright State	7 p.m.
Sat., Jan. 5	vs. Detroit	7 p.m.
Sat., Jan. 19	vs. UW—Green Bay*	7 p.m.
Thurs., Jan. 24	vs. Youngstown State	7 p.m.
Sat., Jan. 26	vs. Cleveland State	7 p.m.
Mon., Feb. 11	vs. Butler	8 p.m.
Sat., Feb. 16	vs. UW—Green Bay	7 p.m.
Mon., Feb. 25	vs. Valparaiso	8 p.m.
Thurs., Feb. 28	vs. Loyola	7 p.m.
Sat., March 1	vs. UIC	7 p.m.

Horizon League Tournament begins March 4.

* At Green Bay

WOMEN'S BASKETBALL KLOTSCH CENTER

Thurs., Dec. 13	vs. Drake	7 p.m.
Thurs., Dec. 20	vs. North Dakota State	7 p.m.
Fri., Dec. 28	vs. Cardinal Stritch	7 p.m.
Mon., Dec. 31	vs. La Salle	5 p.m.
Thurs., Jan. 10	vs. Youngstown State	7 p.m.
Sat., Jan. 12	vs. Cleveland State	2 p.m.
Wed., Jan. 23	vs. UIC	7 p.m.
Sat., Jan. 26	vs. Loyola	2 p.m.
Sat., Feb. 2	vs. UW—Green Bay	2 p.m.
Thurs., Feb. 14	vs. Butler	7 p.m.
Sat., Feb. 16	vs. Valparaiso	2 p.m.
Sat., March 1	vs. UW—Green Bay*	2 p.m.
Thurs., March 6	vs. Detroit	7 p.m.
Sat., March 8	vs. Wright State	2 p.m.

Horizon League Tournament begins March 10.

* At Green Bay

EXHIBITS

INOVA GALLERIES

Exhibits are free. For more information, phone 414-229-5070 or visit www.arts.uwm.edu/inova.

INOVA/KENILWORTH

Kenilworth Square East. 12-5 p.m. Wednesday-Sunday; Thursday noon-8 p.m. Closed Monday, Tuesday, holidays.



Kenilworth Square East

Through Dec. 16:

Three exhibitions continue at the Inova/Kenilworth gallery: Gean Moreno (Miami), Jennifer Rochlin (Los Angeles) and "Don't Torture the Rotten Ducklings," organized by Moreno and Nicholas Frank.

Wednesday, Dec. 19:

UWM DIVAS Program: Junior/Senior Exhibition. An end-of-semester exhibition of projects completed by juniors and seniors in the inter-arts DIVAS program (Digital Imaging Visualization Animation & Sound). Fourth floor. 6-9 p.m.

January 27-March 14:

Large Narrative Drawings Featuring Deb Sokolow. In huge, wall-filling drawings with maps, directional arrows and blocks of text, Chicago artist Deb Sokolow mixes politics, popular culture, conspiracy theory, and social anxiety into sweeping, intricate tales worthy of any Great American Paranoid. Sokolow plans to expand an ongoing work into a finished piece for this exhibition. Opening reception Sunday, Jan. 27, 6-9 p.m.

INOVA/ARTS CENTER

Arts Center, second floor. 12-5 p.m. Tuesday-Saturday; closed Sunday, Monday, holidays.

Through Dec. 16:

UWM Department of Visual Art: MA/MFA Thesis Exhibition. The annual fall exhibition of work by students receiving their MA and MFA degrees.

UNION ART GALLERY

UWM Union. 12-5 p.m. Monday, Tuesday, Wednesday, Friday, Saturday; 12-7 p.m. Thursday; closed weekends and holidays. For more information, phone 414-229-6310.

Through Dec. 14:

"Running the Numbers: An American Portrait." Seattle artist Chris Jordan creates large-scale prints assembled from thousands of smaller photographs of the actual subject matter that Jordan is discussing in his work (see opposite page).

UWM LIBRARIES

Lobby, first floor, West Wing, and Special Collections Reading Room, fourth floor. Monday-Friday 8 a.m.-5 p.m. Closed weekends and holidays.

Through Dec. 28:

"Maria Pisano: Books and Prints." Maria Pisano is a New Jersey book artist, printmaker, conservator and educator.

MUSIC

Peck School of the Arts music events are FREE to members of the campus community. Present your UWM I.D. at the Peck School of the Arts Box Office for a ticket. For more information, phone 414-229-4308.

Tuesday, Dec. 11:

Guitar Students Ensemble Recitals. The students in the Guitar Program perform in ensembles. 7:30 p.m. Recital Hall.

Friday, Dec. 14:

UWM University Band & Symphony Band. Undergraduates from all parts of the university perform under the direction of graduate conductors Nathan Langfitt, Jake Polancich, David Shaw and Megan Sweeney. The program includes Colonna's "Persistence of Time," Van der Roost's "Canterbury Chorale," Bukvich's Symphony No. 1 and Hanson's "Chorale and Alleluia." The Symphony Band, under Scott A. Jones, performs Beethoven's "Rondino," Persichetti's Symphony No. 6 (for Band) with Scott R. Corley, conductor, and Hart's "Cartoon." 7:30 p.m. Zelazo Center.



UWM University Band & Symphony Band Dec. 14

Saturday, Dec. 15:

Women's Voices Milwaukee: Holiday Concert. Women's Voices Milwaukee offers their second concert. 7:30 p.m. Recital Hall.



The Fine Arts Quartet at the Milwaukee Art Museum Dec. 15.

Sounds of Saturday: Fine Arts Quartet. Enjoy an hour-long chamber music concert in the Milwaukee Art Museum during the Martin Ramirez exhibition. The Fine Arts Quartet will play two works: Juan Crisostomo de Arriaga's Quartet No. 1 in D Minor and Tchaikovsky's Quartet No. 2 in F Major, Op.22. 2 p.m. Lubar Auditorium, Milwaukee Art Museum. 414-224-3840.



Pianist Cristina Ortiz joins the Fine Arts Quartet Dec. 16.

Sunday, Dec. 16:

Fine Arts Quartet. The world-renowned Fine Arts Quartet is joined by guest pianist Cristina Ortiz for two works by Gabriel Fauré (1845-1924): Quintet No. 1 in D Minor, Op. 89, and the Quintet No. 2 in C Minor, Op. 115. Ortiz will also perform a solo work. 3 p.m. Zelazo Center.

UWM Jazz Combos. 3 p.m. Recital Hall.

UWM Jazz Ensemble & Youth Jazz Ensembles. 7:30 p.m. Zelazo Center.

Thursday, Dec. 20:

Unruly Music: Electro-Acoustic Music Center Salon 23. Electro-acoustic and multimedia works by UWM students. 7:30 p.m. Music Building, B60. 7:30 p.m.

Friday-Sunday, Jan. 25-27:

UWM Opera Theatre: "The Coronation of Poppea." Claudio Monteverdi's 1642 masterpiece recounts the ancient Roman story of the devious Poppea, who, with the support of the all-powerful God of Love, seduces Nero and takes the place of Octavia as Empress of Rome. Fully staged production, sung in English by students of the UWM Voice program with a student chamber ensemble. Friday & Saturday 7:30 p.m.; Sunday 2 p.m. Zelazo Center.

Friday, Feb. 1:

Guitar Series: Pino Forastiere. Finger-style guitarist Forastiere returns to Milwaukee. 7:30 p.m. Recital Hall.

DANCE

For tickets and information, phone 414-229-4308.



"Winterdances" Jan. 31-Feb. 3

Jan. 31-Feb. 3:

"Winterdances." New works by UWM faculty and guests. All performances at 7:30 p.m. except Sunday matinee at 2 p.m. Mainstage Theatre.

FILM

All films shown at the UWM Union Theatre unless otherwise noted. For ticket information, phone 414-229-4070.

Friday, Dec. 14:

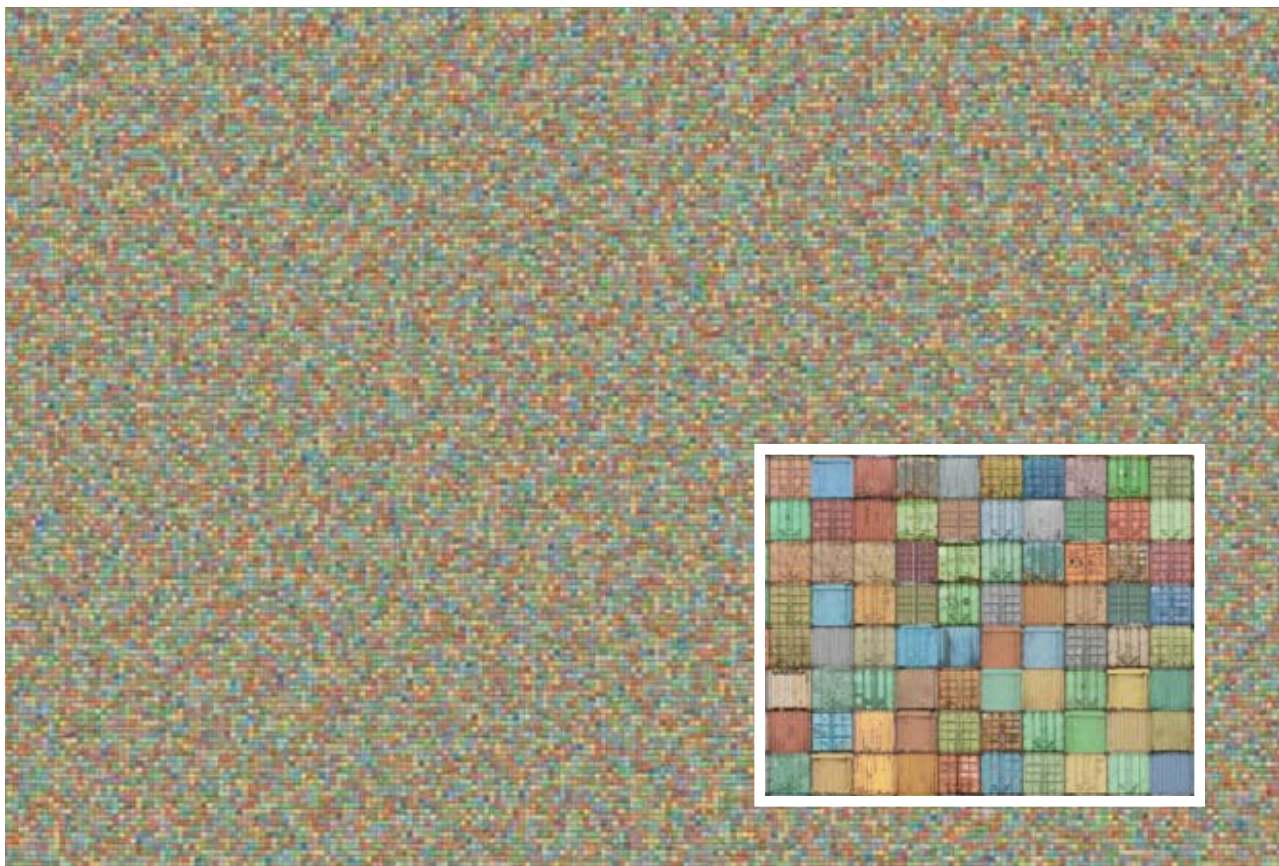
Student Film & Video Festival. An evening of the best short films and videos from the students of the pioneering UWM Film Department, followed by an exhibit of photography work. 7 p.m.



Student Film & Video Festival. Dec. 14

Saturday, Dec. 15:

Senior Project Screening. A special evening showcasing the films and videos completed by the UWM Film Department's graduating seniors. 7 p.m.



Chris Jordan's "Shipping Containers" is comprised of thousands of photos of shipping containers seen from the rear (inset).

RUNNING THE NUMBERS: AN AMERICAN PORTRAIT

THROUGH DEC. 14
UNION ART GALLERY

In this solo exhibition, Seattle artist Chris Jordan looks at contemporary American culture through the way that the media portrays society – pure statistics. Each image portrays a quantity of something – prison uniforms that represent the number of people incarcerated per year, plastic bags used by consumers every five seconds or handguns representing the number of gun-related deaths that happened in 2004.

Through the use of images rather than numbers alone, Jordan hopes that his work will reach out to the public in an attempt to communicate visually the problems that people in the U.S. are facing. Each large-scale piece is a detailed print that is assembled from thousands of smaller photographs of the actual subject matter that Jordan is discussing in his work.

For gallery hours, see "Exhibits" on page 8.

AROUND CAMPUS

CALENDAR

Friday, Jan. 25:

EXPERIMENTAL FILM/VIDEO SERIES AT WOODLAND PATTERN
Alumna Ariana Hamidi: Screening & Reading. 7 p.m. Woodland Pattern Book Center, 720 E. Locust St. \$2 at the door.

Tuesday, Jan. 29:

EXPERIMENTAL TUESDAYS
"Shoot Shoot Shoot: British Avant-Garde Films of the 1960s & 1970s" (Program I). 7 p.m. FREE. 414-229-4070.

Tuesday, Feb. 5:

EXPERIMENTAL TUESDAYS
"Shoot Shoot Shoot: British Avant-Garde Films of the 1960s & 1970s" (Program II). 7 p.m. FREE. 414-229-4070.

ET CETERA



The Hubble Space Telescope floating free.

Fridays Through Dec. 14:

Planetarium Show: "The Best of Hubble." Plus constellations and planets in the current night sky and a Q&A session. 7 p.m. Manfred Olson Planetarium, adjacent to the Physics Building.



Tuesday, Dec. 11:

UWM Department of Visual Art: Object Jewelry Sale. Students from the Jewelry and Metalsmithing area in the Visual Art Department will present at least 500 pieces of jewelry that are unique and sometimes outrageous in design but all address the idea of value, preciousness or "cheapness." All the work will be available for sale to assist Object, a student-run metals organization, in support of their efforts to bring in lectures and purchase new studio equipment. 9 a.m.-8 p.m. Union Concourse.

Wednesday, Dec. 12:

Lyrical Sanctuary's Open Mic. Poets, singers, rappers, visual artists and other performers are invited to express themselves. This month's featured performer is Autumn Blaze. 8 p.m. Union Alumni Fireside Lounge.

Friday, Dec. 14:

Final exams begin.



Sunday, Dec. 16:

Winter Commencement (see p. 2).

Dec. 22-Jan. 1, 2008:

Winter recess.

Wednesday, Dec. 26:

Great Books Roundtable Discussion. Heinrich Böll, *Christmas Every Day*. 7-9 p.m. Curtin Hall, room 839. 414-229-4345.



Alan Magayne-Roshak

Jim Reinartz presents the January Science Bag show.

Fridays in January:

The Science Bag, interactive lectures for the curious ages 8 and up. "Wisconsin's Green Quilt: Patterns of Native Plant Communities," presented by Jim Reinartz, UWM Field Station. Jan. 4, 11, 18 and 25 at 8 p.m.; Sunday matinee Jan. 13 at 2 p.m. Physics Building, room 137.

Jan. 2-18:

UWinterIM.

Tuesday, Jan. 22:

First day of spring semester classes.

Wednesday, Jan. 30:

Department of Visual Art Spring Lecture Series: Deb Sokolow. Chicago-based artist Sokolow inaugurates this new lecture series with a talk in conjunction with her exhibition in Inova/Kenilworth (see "Exhibits"). 7 p.m. Arts Center Lecture Hall.

Great Books Roundtable Discussion. Shen Fu, selections from *Six Chapters of a Floating Life*: "The Joys of the Wedding Chamber" and "The Sorrows of Misfortune." 7-9 p.m. Golda Meir Library, Special Collections, fourth floor. 414-229-4345.

Object Jewelry Sale Dec. 11

Azenabor uncovers how rogue bacteria sabotage human immunity

By Laura L. Hunt



Peter Jakubowski

Anthony Azenabor (left) shows his students, Sarah Antoniewski and Patrick Kennedy, the medium used to culture bacteria on various kinds of tissues.

CIPD: CENTER FOR INSTRUCTIONAL & PROFESSIONAL DEVELOPMENT

CIPD OFFERS SPRING 2008 COURSE

**GRAD 803: Teaching and Learning
in College: Reflection on Theory and
Practice (1 credit)**

Mondays: 3-4:15 p.m.

Future faculty members will explore learning theories and pedagogical techniques in order to better understand how students learn. Through weekly, critical reflection, students will identify both institutional and personal values and beliefs underlying the practice of teaching.

Students will construct a philosophical statement on teaching and devise a teaching portfolio that demonstrates their ability to frame the learning process, create course goals, design syllabi, implement assessment strategies and integrate technology that is learner-centered.

Intended to complement departmental, discipline-based pedagogy courses and mentoring, this course helps future faculty members critically reflect on instructional and pedagogical choices, guided by educational research and personal reflection.

Instructors: Connie Schroeder and Tony Ciccone of the Center for Instructional and Professional Development.

Outside the laboratory, Anthony Azenabor is outgoing and talkative, an extrovert who laughs heartily at his own jokes.

But engrossed in his research, Azenabor is a shrewd and serious investigator who coaxes rogue bacteria to give up deadly secrets of how they cause several human illnesses.

Educated in Nigeria and Great Britain, Azenabor landed a fellowship sponsored by the World Health Organization soon after completing his doctorate on the bacteria Chlamydia. He was one of only two chosen worldwide.

Now an associate professor of health sciences at UWM, he has identified how two different kinds of Chlamydia can cause both coronary artery disease and miscarriages.

Solving one mystery gave him clues that he needed to figure out the other.

By focusing on the immune system mechanisms in Chlamydia infections, Azenabor has identified an important link in seemingly unrelated health problems.

The result could be new treatments and prevention strategies for both heart disease and infertility.

THE FIRST MYSTERY

Chlamydia pneumoniae is a microbe that normally causes pneumonia and bronchitis, but it has long been associated with atherosclerosis, a cardiovascular disease also called “hardening of the arteries.”

“It was a frightening prospect,” says Azenabor, “that atherosclerosis could come from a bacterial infection.” He decided to look for an explanation.

Chlamydiae are unusual, says the Nigerian-born scientist, because, unlike most other bacteria, they use the same form of cholesterol for metabolism that human cells use. Chlamydiae also are intracellular pathogens, meaning that they can only grow and reproduce inside of another cell.

But these bacteria have another peculiar ability.

Normally, when a pathogen invades human tissue, the immune response unleashes “killer cells” called macrophages, which stretch to engulf the attacker and destroy it with toxin-producing enzymes.

Chlamydiae fight back, says Azenabor. His work shows that, as they are ingested, these two species of Chlamydia can manipulate the functions of protective cells like macrophages in creative ways.

CHOLESTEROL CONNECTION

One of the keys lies in the macrophages’ cell walls, which store cholesterol and usually tightly control it.

But when it’s infected with *C. pneumoniae*, the microbe traffics cholesterol from the macrophage cell membrane to its own, causing a change in the

macrophage that makes it rigid and unable to move.

The bacterium also disturbs the macrophage’s production of toxins in a process that transforms them into “signaling molecules,” which support functions that keep the bacterium alive.

“*C. pneumoniae* really wants to hijack the cell functions for its own use, like a parasite would,” he says. “The macrophage, though, wants to kill Chlamydia, but its killing ability has been converted to signaling.”

This is the reason the infection becomes chronic, Azenabor says. “Because of signaling, everything else in the human cell is still fine except for the altered toxins, so the bacteria can reproduce in a short time.”

As the macrophages become immobile, they accumulate in the blood vessel walls, setting the stage for atherosclerosis.

INFECTION AND PREGNANCY

Armed with new information about how *C. pneumoniae* sabotages the immune response, Azenabor, who had also been studying the effects of estrogen on macrophages, turned his attention to another Chlamydia-related puzzle.

How is *Chlamydia trachomatis*, the species that causes a sexually transmitted disease, involved in the occurrence of spontaneous abortions or miscarriages?

He was immediately drawn to the protective cells in the placenta during early pregnancy – the trophoblasts.

“It’s not for nothing that trophoblasts are the early cells,” says Azenabor. “They prevent any kind of infection that could threaten the fertilized egg. They produce toxic chemicals similar to those of macrophages.”

Trophoblasts act like macrophages in many ways, and their functions are mediated by the hormones estrogen and progesterone. And cholesterol is the molecule used to produce those hormones.

Azenabor’s research shows that, like its cousin, *C. trachomatis* does take cholesterol from the trophoblast, and it also reproduces once inside the cell.

“It’s the same old story,” says Azenabor. “Only this time the attacked cell is a trophoblast instead of a macrophage, and the depleted cholesterol hinders production of estrogen and progesterone instead of altering toxin production.”

Azenabor’s lab members are continuing their inquiry, and they then will need to test the theories with live animals.

But the scientist is optimistic. Already he has a patented process for blocking the effects of calcium signaling for *C. pneumoniae*.

“If we can prevent *C. trachomatis* from becoming chronic, we could apply this remedy to pregnancy,” he says.

While conducting postdoctoral work at McMaster University in Ontario, Azenabor won the Canadian Distinguished Scientist Award in 1998, and moved to the University of Waterloo.

Azenabor joined the UWM faculty in 2001, after working as a scientist in a Chlamydia lab at UW-Madison. He jumped at the chance to start his own lab at UWM. Since arriving here he has won several honors, including the Shaw Distinguished Scientist Award from the James D. and Dorothy Shaw Fund in the Greater Milwaukee Foundation.

Although he didn’t plan on working with Chlamydia for this long, he is now a leading researcher in the field. One attraction, he says, is that the work is unpredictable.

“When you begin,” he says, “you never know where you are going to go.”

The importance of ethics

It's fair to say that UWM employees must take ethics very seriously. After all, as employees of a state agency, we may someday have to defend our ethics on the front page of the *Milwaukee Journal Sentinel*.

However, it's not always easy to recognize ethical hazards when you work for a large, public institution like UWM. It's especially difficult for new employees who previously worked in the private sector, where perks provided by clients are common.

That's why the Offices of Legal Affairs and Internal Audit have developed some helpful tips to avoid ethical violations as well as the appearance of ethical violations. Employees who follow these tips can be sure that they are on the safe side of ethical issues.

TIP #1:

First and foremost, do not accept items of any value from a person or organization as a result of your employment at UWM. This includes food, drink, entertainment and anything else that creates the appearance that your official conduct may be influenced by the gift. This means:

• Meals and Entertainment

Don't accept lunch, other meals or entertainment (e.g. golf outings) from UWM vendors or prospective vendors, even if they are intended to aid you in discussing UWM business. If a meal or event is appropriate, it should be paid for by UWM through a Travel Expense Reimbursement form. An exception is for a working meeting held on-site, either at UWM or the vendor's business, where food is provided to allow a business meeting to continue past meal hours.

• Gifts and Gift Baskets

Don't accept gifts, including birthday gifts, gift baskets, gift certificates, etc. While these gifts may be common marketing tools in corporate business, they create the wrong impression within a state agency. If a gift arrives, talk to your supervisor about gently declining the gift or asking the vendor to send it to a charitable organization.

• Education and Travel

In many cases, UWM employees may not accept vendor-paid travel, even when it is of benefit to the department. Vendor-paid travel should only be accepted by an employee after the situation has been reviewed and approved by the dean or division head.

• Items of Minimal Value

Items of minimal value only (e.g. pencils, cups, etc.) are not prohibited. Keep an eye on the appearance, however, of using a vendor-provided marketing item while at work.

TIP #2:

Apply the same rule regarding acceptance of items of value to members of your immediate family or household, if they receive the item as a result of your employment with UWM. Keep in mind what Albert Einstein once said: "The theory of relativity applies to physics, not ethics."

TIP #3:

If you have a personal relationship with someone who is doing business with your department, disclose that relationship to your supervisor so that actions can be taken to minimize or remove any potential conflict of interest.

Ethical dilemmas sometimes arise from outside consulting, the use of university resources and signing contracts. Here is some practical advice for these important areas:

• Outside Consulting

If you are an unclassified employee and you have an opportunity to do consulting or other work for an outside organization in an area related to your area of expertise at UWM, you should discuss the opportunity with your dean or director to ensure that no conflict of interest will be created. Refer to UWS 8 for the applicable standards and procedures.

• Use of University Resources

University resources such as office supplies, cell phones, meeting rooms and work time should be used only for university purposes. Phone and e-mail may be used for minimal personal use consistent with university policies. Never use UWM resources, including e-mail and telephone, for outside work.

• Signature Authority on Contracts

Only certain individuals on campus, designated by name, have the authority to legally bind UWM in contracts or agreements. Do not sign a contract with an outside company unless you have received a letter giving you delegated permission to do so.

QUESTIONS ABOUT ETHICS:

When in doubt about any ethical issue, talk to your supervisor. If your supervisor is unaware of the rules or has questions, he or she should contact the Department of Internal Audit (pwr@uwm.edu) or the Office of Legal Affairs (candres@uwm.edu) to request an opinion or interpretation regarding any particular situation.



NEW QUICK WINS

Quick Wins Plus has had a busy start to the 2007-08 year with lots of good ideas sent to us. We're pleased to report a few of the recent Quick Wins implemented by Physical Plant Services (PPS):

Natalie Reinbold (Financial Aid) wrote to QW+ suggesting that the campus needs more diaper-changing stations in restrooms because of the increasing numbers of student parents.

David Danielson, director of PPS, has asked custodians to survey where changing stations already are installed and will make decisions based on their recommendations for providing additional stations. PPS will also place signs outside restrooms that have changing stations so that they are easily found.

Christel Maass (UWM Libraries) suggested that the campus needs containers for recyclables outdoors in addition to those already inside campus buildings.

Danielson replied to QW "I was told that a few years ago we had outdoor recycling containers throughout campus. The problem we experienced was with people not paying attention to which container to use. Thus, most of the trash and recyclables ended up being mixed trash, which makes it all trash and no recyclables – unless manually separated.

"I think the timing is ripe to try this again because of global warming and the fact that recycling education is at the forefront with our students, faculty and staff. We will purchase a few of these containers, place them on campus and see if they

will be used correctly. If all goes well we will expand the program."

PPS has also agreed to provide more seating in the vending area on the first floor of Curtin Hall, which was suggested by **Vicki Bott** (English).

Valerie Errante (Voice) wrote to QW+ about the need for more bike racks on campus, especially under the library's covered walkway.

Danielson's response to this idea also was a positive one. "Each semester we survey our campus bike racks to see if they are in the correct location, are being used, or if more are needed. The first couple of weeks of school usually aren't the best indicators so we typically wait until weeks three or four. ...We just completed our survey and have ordered some additional racks. ...Under the library overhang will most definitely get some of these new racks."

PANTHER POINTS OF PRIDE

We also receive and pass along campus compliments through the Panther Points of Pride submission form on our Web site. Recently, we received this Panther pat on the back:

"Music Librarian **Rebecca Littmann** and her student staff deserve many kudos for the amount of time and effort they have spent (and are still spending) putting hundreds of music scores and recordings online for the music course "Song Literature." This has improved my teaching of the course and given many students the opportunity to access these important works on their own computers. Thank you Rebecca, Jason and Nick!"

CONTACT QW+

Send your good ideas, and compliments, too, to the Quick Wins Plus Committee by e-mail at quickwin@uwm.edu or by using the online submission form at <http://www.uwm.edu/MilwaukeeIdea/quickwins.htm>.

Quick Wins Plus is supported by the Office of the Provost and The Milwaukee Idea.

WELCOME! NEW CLASSIFIED EMPLOYEES

Christopher Alexander, Police Officer,
University Police

Jamie Birkholz, Financial Specialist 4,
Center for Math & Science Education
Research

Jaime Castro, Police Officer, University
Police

Diana Criss-Carter, Custodian,
Housekeeping

Katherine Davis, Custodian, Housekeeping
Stanley Dziedzic, Custodian, Custodial
Services

Ronald Fleischmann, Human Resources
Ryan Kahmann, Custodian, Custodial
Services

Paula Stack, Academic Department –
General

Videos Used to Market Lubar MBA Programs

When the Sheldon B. Lubar School of Business wanted to enhance the recruitment efforts for their MBA programs, they went to the Web. But instead of presenting a traditional Web presence of text and images, they developed a series of short online videos to promote their programs.

The Lubar School of Business now has 11 online videos with faculty and student spokespersons and actual classroom video.

Janice Miller, associate dean of Academic Affairs at the Lubar School, spearheaded the project. "We chose to use online videos because the Web is the best point of contact to reach our potential students," said Miller. "It's user-friendly; and by using video, potential students could better picture themselves in our programs."

Miller worked with Frank Campenni and Brian Schmidlin from the University Information Technology Services

Video and Multimedia department. They provided production for the videos, doing the taping and editing, and also provided a lot of guidance along the way. "Frank and Brian knew how to get our

learning and the importance of keeping curriculum relevant, fresh and innovative, to the various programs offered.

Once the messages were determined, faculty and students were selected. Miller said they worked with their recruitment department to identify students to participate. A production schedule had to be set up; working around faculty and class



"We chose to use online videos because the Web is the best point of contact to reach our potential students. It's user-friendly; and by using video, potential students could better picture themselves in our programs." — Janice Miller

message across effectively," said Miller. "They also had a sense of what students would be looking for."

The project took nearly a year to complete, from conception to uploading the videos to the Web, with a myriad of steps in between. First and foremost, the School had to be the capability to host videos on their Web site. Then Lubar School of Business staff met several times to discuss the focus of the videos. Each video emphasizes a different aspect of the Masters program — from the value of an MBA, to opportunities for hands-on

schedules was often challenging. Then videotaping needed to be completed. "Some were a bit camera-shy and had to be persuaded that they were our best spokespersons," said Miller. "But all in all, faculty were on board with the project."

Faculty and staff videos were not scripted, enhancing the relaxed tone and credibility of the finished product. Instead an interview format was used. Campenni worked with the department to develop interview questions. Each interview lasted about 20 minutes. "My goal was to get at the heart of the interviewee's passion and link that to the message the School wanted to deliver," said Campenni. Lighting and sound were also important considerations and audio technicians were at the interviews and the actual classroom tapings.

Once the videos were shot, Campenni and Schmidlin took about eight hours of recorded video material and edited it into 11 videos, about two minutes each. Campenni said the two-minute length was important. "Today's viewer on the Web is looking for shorter bites of information. We needed to have the videos move quickly so that the viewer would stay with the message."

Miller's advice to those who may want to use a similar marketing concept? "Work with people who understand the University environment and your product," she said. "At the moment, I think these videos are the best PR we have and they couldn't have turned out more professionally."

Corralling Campus IT

The Role of the UWM Process Management Office

A growing campus community, expanding research initiatives, and continual challenges to provide data storage and network equipment involve a myriad of IT projects, processes and priorities.

The UWM Process Management Office (PMO) was recently formed to address the vast, and sometimes disparate, IT needs of the campus. The goal is to have a central department to manage and coordinate IT initiatives in an objective, methodical and efficient manner.

The PMO will be involved in three strategic areas: project management, IT portfolio management, and business process improvement initiatives. Ed Melchior, campus process architect, will oversee the office, managing and leveraging the life cycle of campus IT investments in infrastructure and systems.

The PMO will be involved in three strategic areas: project management, IT portfolio management, and business process improvement initiatives.

Melchior's first challenge will be in the area of project prioritization. "We need to move beyond the 'squeaky' wheel or the unit with funding moving their projects ahead of what might be best overall for the campus," said Melchior. Project prioritization will involve assembling a committee representing campus units, developing a methodology to classify IT projects, creating standards to objectively evaluate projects and then determining how IT resources will be expended. Melchior emphasized that "the essential concept here is that projects be prioritized by campus-wide decision makers, rather than the IT function making the decisions based on limited input."

In the area of portfolio management, Melchior will manage campus enterprise projects, keeping track of the inventory of projects underway and those in the pipeline. He will also assess the ongoing IT needs throughout the lifecycle of the product. "A project doesn't end when we flip the switch and turn on an application," said Melchior. "It's imperative to consider and adequately plan for the ongoing maintenance and upgrades of every application."

Finally, Melchior will oversee campus business process improvements. In an environment with ongoing budgetary challenges, it's important to continually assess if there's a better way to do something. "It's human nature to want to be comfortable and familiar with your work," said Melchior. "Getting people to accept change is never easy; but it's important to evaluate if there may be an easier and more efficient way to accomplish a task."

In trying to meet the IT needs of the campus community, it's important to apply a consistent process methodology to the management IT services and infrastructure. "We'll be practicing what we preach," said Melchior. "Our office will be the first to employ the rigors of process management."

Access the videos from the Sheldon B. Lubar School of Business home page at www.uwm.edu/Dept/Business

RIAA Increases Actions Against Illegal File Sharing

WHAT COULD BE WRONG WITH SHARING YOUR FAVORITE SONG WITH YOUR FRIENDS?

If it violates copyright law, it's illegal and can cost you dearly. In the first illegal file sharing case to go to a jury trial, a Minnesota woman was found guilty and fined over \$220,000 for downloading 24 songs from Kazaa, a popular Web site for sharing music.

Use of peer-to-peer (P2P) file sharing applications to share copyrighted materials over campus networks has come under intense scrutiny by the Recording Industry Association of America (RIAA). In September, the RIAA sent out more than 400 pre-litigation letters to 22 universities citing illegal file sharing, followed in October with letters targeting 19 universities and 411 alleged violations. ("RIAA Threatens 10 Universities with Lawsuits," Cnet news.com, Oct. 18.)

UWM receives complaints from copyright agents almost daily. According to Steve Brukbacher, security architect, through mid-October UWM had received more than 145 complaints. Thus far, the majority of these complaints have not involved an actual lawsuit. However, last spring UWM received 16 pre-litigation letters from the RIAA and as of mid-October had received another 10 pre-litigation settlement letters.

According to the Digital Millennium Copyright Act, universities are obligated to temporarily

suspend Internet access for the offending computer or individual if a valid complaint is received. Last spring the RIAA stepped up their efforts and began filing actual lawsuits against alleged copyright violators. Prior to filing an actual subpoena for information identifying alleged campus violators, the RIAA began issuing pre-litigation letters offering the option of an online out-of-court settlement with a "discounted" fine. By paying the fine, the alleged violator could pre-settle and avoid a court case, legal fees and substantial fines. Universities, although not obligated by law, were asked to forward these letters to individuals.

UWM did not pass along these letters initially, instead waiting for a valid subpoena from the RIAA. However, feedback from students indicated that they would prefer to be made aware of the situation. "We now forward the pre-litigation letters and also provide information so that the individual can decide whether to settle out of court or go to trial," said Brukbacher.

UWM continues to educate students to raise awareness of the risks associated with use of peer-to-peer file sharing applications. All incoming freshmen received a brochure about file sharing and this fall parents were sent the same brochure accompanied by a letter from CIO Bruce Maas. Said Maas, "We want to make sure both parents and students have the information to understand the ramifications of illegal file sharing so that they can make informed decisions."



Public Forums Set to Discuss Moving Applications Off Alpha Servers

For over a decade, the UWM general-purpose computing system has consisted of a cluster of Alpha computer servers. They have served as reliable workhorses handling a multitude of applications; but they're nearing the end of their life cycle. The 13-year-old hardware is outdated, finding replacement parts is challenging and security on the dated operating system is not at the level the campus needs.

Some applications have already been moved off the servers including Web page hosting, e-mail, and file storage. However, there are still applications that run on the Alphas that need to be moved.

A series of public forums will be held during the 2007-08 academic year to discuss the technical functionality of the new campus Web environment that will replace those Web services and functions currently provided by the Alphas. All faculty and staff are invited to attend. Reservations are not required.

For additional information and dates of the open meetings visit AlphaMigration.uwm.edu or contact Michael Hostad, Web architect, at mhostad@uwm.edu.

Faster and More Economical HP Printer Repair Now Available

You can now have your Hewlett Packard (HP) printer serviced faster and at a lower cost. UWM has entered into a formal agreement with our on-campus Lanier representative who is authorized and trained to support HP printers.

Using the on-campus Lanier representative provides faster response time for repair calls, quicker turnaround time because many parts are housed on site, and reduced cost because there is no trip charge for a service person to travel to campus. In addition, the on-site Lanier rep will provide free repair estimates. Printers both under and out of warranty can be serviced.

If you have an HP printer problem and need repairs, contact Print & Copy Services at Ext. 4458 and they will dispatch the on-campus Lanier representative to your office. E-mail questions to hp-repair@uwm.edu.

news... You Need to Know

UWM Class Schedule on the Web

UWM has a new online class schedule that allows students to utilize a powerful search engine to find the just the right class for them. Searches can be done by program/subject, instructor, day, time, type (online, on/off-campus, weekends, etc.) and keywords. The online catalog is available for the academic year and includes fall and spring semesters, as well as UWinteriM and summer. The Schedule of Classes is available online at schedule.uwm.edu.

Learn more about UWM's new Web CMS

A roundtable discussion recently took place for individuals interested in the new campus Web Content Management System (CMS). Staff from units that were part of the early adopters program shared their experiences – what they learned and the challenges they faced – migrating their Web sites to the CMS. An audio recording of the session is available online at cmsinfo.uwm.edu.

Technology @ UWM News Now Online

Throw away your newspaper and want to reference an article you saw here? Now you can access a PDF version of this news section on the UITS Web site. Visit uits.uwm.edu and click on the Technology @ UWM link at the top of the News page. You'll find articles beginning with the September 2007 issue.

Upcoming Events

Open Meetings
PantherLink Steering Committee
Mon., Dec. 17
10:30 – 11:30 a.m.; Chapman Hall, Room 401

UTR (*Unit Technology Representative*)
Wed., Dec. 19
2 – 3 p.m.; Golda Meir Library, E159

CIO Briefing
Wed., Dec. 12
11 a.m. – noon; Union 240
Register at mydevelopment.uwm.edu



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help@uwm.edu

VISIT
uits.uwm.edu

SUBMISSION GUIDELINES

- Electronic submissions only, either by e-mail document or Internet (see addresses below).
- If an entry requires diacritics or other special marks, a hard copy of the entry noting such marks should be faxed to Report at 414-229-6443 as a backup to the electronic submission.
- Enclose names to appear in boldface type in < >. Also enclose all material to be italicized.
- Do not submit grant information to Report. The "Grants" section is supplied by UW System via the Graduate School.

DEADLINES

All Report deadlines fall on the **first working day of the month** for publication the following month.

Issue	Deadline
No January 2008 issue	
February	Wed., Jan. 2
March	Fri., Feb. 1
April	Mon., Mar. 3
May	Tues., Apr. 1
June	Thurs., May 1
No July or August 2008 issues	

E-mail submissions: report@uwm.edu
Internet submissions: www.uwm.edu/news/report/ft-form.HTML

PEOPLE

ACADEMIC AFFAIRS

CENTER FOR INSTRUCTIONAL & PROFESSIONAL DEVELOPMENT

Connie Schroeder received the Menges Research and Presentation Award at the Professional and Organizational Development (POD) Conference held Oct. 24 in Pittsburgh. At the conference, she presented two sessions: "Advancing from the Periphery: Changing Faculty Development's Institutional Role" and "Can Learner-Centered Teaching Be Assessed?" Schroeder received a POD grant for her research study, "The Scholarship of Teaching and Learning Programs (SoTL), Institutional Initiatives and Faculty Development: Researching Models, Attributes and Practice."

UNIVERSITY RELATIONS & COMMUNICATIONS

ALUMNI RELATIONS

Andrea Simpson presented "Dues vs. Non-Dues Paying Memberships: Why, When and How?" at the California State Universities Alumni Council annual conference on Sept. 14 at California State University-Dominguez.

LETTERS & SCIENCE

ANTHROPOLOGY

Bettina Arnold presented the AIA La Follette Lecture at the Minneapolis Institute of Arts on Oct. 4. The talk was entitled "A Landscape of Ancestors: Early Iron Age Societies in Southwest Germany." She also presented two papers at the EAA 13th Annual Meeting, Zadar, Croatia, Sept. 18-23. One paper was in a session, "The Master of Animals in Old World Iconography," co-organized with **Derek Counts** (Art History). The talk was entitled "Ahunting we will go": The Fellbach-Schmidten Triptych and Elite Hunting in Iron Age Europe." The second talk, in a session on the "Hallstatt/La Tène Transition in European Prehistory," was entitled "The Heuneburg Archaeological Landscape and the Hallstatt/La Tène Transition." On March 29-31, Arnold was invited to present two lectures at SUNY-Buffalo: "When the Past is IN a Foreign Country: Fieldwork in Germany," and "The Material Culture of Social Structure: The Early Iron Age Mortuary Record in Southwest Germany."

PSYCHOLOGY

Katie E. Mosack, A. Bergman, J. Esser, A. Hansen, M. Johnson and D. Koski

presented a poster, "Provider perspectives on involving family in end-of-life care discussions," at the National Institute of Mental Health's Annual International Research Conference on the Role of Families in Preventing and Adapting to HIV/AIDS held in San Francisco in July.

Katie E. Mosack and A. Bergman presented a poster, "End-of-life care discussions: Are they relevant anymore?," at the American Conference for the Treatment of HIV (ACTHIV) held in Dallas in June.

C. Patrick, J. Flynn, M. Nass and **David C. Osmon** presented a poster, "The word letter phenomenon (WLP): Implications for bi-hemispheric processing in word recognition," at the Wisconsin Psychological Association meeting held in April in Madison, Wis.

David C. Osmon presented a symposium paper, "The many faces of effort: Specific symptom validity, attention and anosadiaphoria," at the International Neuropsychological Society held in Bilbao, Spain, in June.

S. Berendtsen and **David C. Osmon** presented a poster, "Attention and symptom validity testing: Surprising results in a simulation study," at the International Neuropsychological Society held in Bilbao, Spain, in June.

PUBLICATIONS

PECK SCHOOL OF THE ARTS

MUSIC

Martin Jack Rosenblum, *Searching for Rock and Roll: Authenticity and Art in Vernacular Music*, Thomson, September 2007.

HEALTH SCIENCES

COMMUNICATION SCIENCES & DISORDERS

J.L. Coyle, **Caryn Easterling**, M. Lefton-Greif and L. Mackay, "Evidence-based dysphagia practice: three case studies," *The ASHA Leader*, Vol. 12, No. 14, 2007, pp.10-14.

Dorie A. Mendell and J.A. Logemann, "Temporal sequency of swallow events during the oropharyngeal swallow," *Journal of Speech, Language, and Hearing Research*, Vol. 50, 2007, pp. 1256-1271.

Min Wu, Paula M. Rhyner, C. Thao, L. Kraniak, C. Cronk and K. Cruise, "A tablet-PC application for the individual family service plan (IFSP)," *Journal of Medical Systems*, Vol. 31, No. 6, 2007, pp. 537-541.

HUMAN MOVEMENT SCIENCES

M.R. Stoneman, M. Kosempa, **William D. Gregory**, **Christopher W. Gregory**, J.J. Marx, W. Mikkelson, J. Tjoe and V. Raicu, "Correction of electrode polarization contributions to the dielectric properties of normal and cancerous breast tissues at audio/radio frequencies," *Physics in Medicine and Biology*, Vol. 52, 2007, pp. 6589-6604.

Wendy E. Huddleston and E.A. DeYoe, "The representation of spatial attention in human parietal cortex dynamically modulates with performance cerebral cortex," *Cerebral Cortex*, doi: 10.1093/cercor/bhm158, 2007.

L. Neighbors and J. Sobal, "Prevalence and magnitude of body weight and shape dissatisfaction among university students," *Eating Behaviors*, Vol. 8, No. 4, 2007, pp. 429-439.

LETTERS & SCIENCE

ECONOMICS

Mohsen Bahmani-Oskooee, A. Kutun and S. Zhou, "Testing the PPP in the STAR Framework," *Economics Letters*, Vol. 94, 2007, pp. 104-110.

Mohsen Bahmani-Oskooee and A. Gelan, "On the Relation Between Nominal Devaluation and Real Devaluation:



Peter Jakubowski

OPEN HOUSE A ROARING SUCCESS

The UWM Open House on Friday and Saturday, Oct. 26 and 27, drew more than 3,700 visitors to UWM, bringing the 13-year total event attendance to 42,155. "The Open House continues to be a very important program, as it allows us to tell the UWM story to such a large number of students and their families over a two-day period," said Janis L.P. Ford, executive director of the Department of Recruitment and Outreach. "It is an extremely popular event and one that has enjoyed great success over the years, not only in the number of participants but in the positive impact it has had on a prospective student's decision to apply to and enroll. In fact, our data show that over the last three years, 65 to 75 percent of students participating in the Open House ultimately enrolled at UWM." The majority of the students attending came from Wisconsin, with 218 cities and towns in the state represented. There also was a strong showing of those from Illinois, as well as students from Minnesota, Michigan, Indiana, Pennsylvania and Texas. The Open House drew international students, as well. By year of school, the largest group of participants were 2008 high school grads (59.1 percent), with 2009 grads coming in second at 13.7 percent. Prospective transfer and graduate students also were well represented.

Evidence from African Countries," *Journal of African Economies*, Vol. 16, March 2007, pp. 177-197.

PSYCHOLOGY

Katie E. Mosack, C. Gore-Felton, P. Chartier and E. McGarvey, "Individual, peer, and family variables associated with risky sexual behavior among male and female incarcerated adolescents," *Journal of HIV Prevention in Children & Youth*, Vol. 8, 2007, pp. 115-133.

L.S. Weinhardt, **Katie E. Mosack** and G.R. Swain, "Development of a computer counseling STI intervention: Acceptability and preferences among low-income urban sexually transmitted infection (STI) clinic patients," *AIDS and Behavior*, Vol. 11, 2007, pp. 549-556.

GIFTS, GRANTS & CONTRACTS

RECEIVED IN OCTOBER 2007

ACADEMIC AFFAIRS

TRIO & PRE-COLLEGE PROGRAMS

UW System, Madison, WI
Ameritech Plan 2008 Fund Future Leaders Program
Clark, Pamela E. - Extension & Public Service \$113,627

STUDENT AFFAIRS

UWM CHILDREN'S CENTER

U.S. Dept. of Education, Washington, D.C.
Child Care Access Means Parents in School (CCAMPIS) Program
Boulton, Pamla Jo - Research \$127,451

UPWARD BOUND

U.S. Dept. of Education, Washington, D.C.
Educational Opportunity Centers Program - Year 1
Clark, Pamela E. - Instruction \$226,600

MILWAUKEE IDEA

NON-CREDIT PROGRAMS

UWM Foundation (p/c Helen Bader Foundation), Milwaukee, WI
Development of Helen Bader Institute for Nonprofit Management Non-Credit Education Programs SOCE
Lee, Mordecai - Extension & Public Service \$841

UWM Foundation (Soref Charitable Trust Fund), Milwaukee, WI
Development of Helen Bader Institute for Nonprofit Management Non-Credit Management Programs SOCE: Operating Support
Lee, Mordecai - Extension & Public Service \$60,000

ARCHITECTURE & URBAN PLANNING

ADMINISTRATION

UWM Foundation, Milwaukee, WI
Support Marcus Studio and Prize Greenstreet, Robert - Extension & Public Service \$6,500

UWM Foundation, Milwaukee, WI
Support Student and Chicago Studio Activity
Greenstreet, Robert - Extension & Public Service \$15,000

UWM Foundation, Milwaukee, WI
Visiting Professor and Studio Critic Greenstreet, Robert - Instruction \$25,000

UWM Foundation, Milwaukee, WI
Research into Green Building Design Greenstreet, Robert - Research \$3,500

UWM Foundation, Milwaukee, WI
Research and Activities Related to Historic Preservation and the Historic Preservation Curriculum
Greenstreet, Robert - Research \$12,000

CENTER FOR ARCHITECTURE & URBAN PLANNING RESEARCH

UWM Foundation, Milwaukee, WI
Plunkett-Raysich Studio Support
Greenstreet, Robert - Instruction \$23,982

UWM Foundation, Milwaukee, WI
Aging Research
Weisman, Gerald - Research \$6,500

URBAN PLANNING

Environmental Protection Agency (p/c EPA), Walnut Creek, CA
Effects of Built Environment on Travel Behavior in California Urban Areas
Greenwald, Michael J. - Research \$13,834

PECK SCHOOL OF THE ARTS

FILM

UWM Foundation (p/c WI Society for Jewish Learning/Bader Foundation), Milwaukee, WI
Documentary Film and Additional Media

Projects Highlighting Wisconsin’s Small Jewish Communities
Lichtenstein, Ivan Brian – Extension & Public Service \$95,000

UWM Foundation (p/c Jacob and Valeria Langeloth Foundation), Milwaukee, WI
Almost Home: Outreach Redux
Lichtenstein, Ivan Brian – Extension & Public Service \$2,470

MUSIC

William F. Vilas Trust Estate, Madison, WI
Guest Artist – Performance Series
Welstead, Jon – Instruction (\$28,700)

SHELDON B. LUBAR SCHOOL OF BUSINESS

INSTRUCTION

UWM Foundation, Milwaukee, WI
Entrepreneurship and Innovation
Prasad, V. Kanti – Extension & Public Service \$9,700

BOSTROM CENTER

UWM Foundation, Milwaukee, WI
Hans Storr Professorship
Prasad, V. Kanti – Research \$30,000

EDUCATION

EDUCATIONAL PSYCHOLOGY

U.S. Dept. of Education, Washington, D.C.
Exemplary Model of Early Reading Growth and Excellence – EMERGE Project
Stoiber, Karen C. – Extension & Public Service \$3,212,726

UW System Trust Fund Office, Madison, WI
The Major Role Families Play in Influencing Outcomes for Their Children
Williams, Gary L. – Research (\$79,079.10)

ENGINEERING & APPLIED SCIENCE

CIVIL ENGINEERING & MECHANICS

U.S. Dept. of Defense, Navy (p/c DOD, USN), San Diego, CA
Empirical Studies of Release Rates of Munition Constituents from Breached Shells
Liao, Qian – Research \$73,411

WI Dept. of Transportation (p/c USDOT), Madison, WI
Analysis of Permit Vehicle Loads in Wisconsin
Zhao, Jian – Research \$49,535

MECHANICAL ENGINEERING

Harley-Davidson, Milwaukee, WI
Efficiency and Performance Improvements of Catalytic Converters
Amano, Ryoichi – Research \$35,730

HEALTH SCIENCES

HUMAN MOVEMENT SCIENCES

U.S. Dept. of Defense, Fort Detrick, MD
Dynamic Management of Excess Residual Limb Pressure with New Smart Socket Technology
Papaioannou, George – Research \$841,000

HEALTH CARE ADMINISTRATION & INFORMATICS

DHHS, PHS, NIH, Bethesda, MD
Hermes - Help Physicians to Extract and Articulate Multimedia Information from Literature to Answer Their Ad-Hoc Medical Questions
Yu, Hong – Research \$383,550

OCCUPATIONAL THERAPY

U.S. Dept. of Health & Human Services, Rockville, MD
MCH Pipeline Training Program: Carryover Adjustment
Barnekow, Kris A. – Instruction (\$6,385)
Rhyner, Paula M.

GRADUATE SCHOOL

STUDENT SERVICES

U.S. Dept. of Education, Washington, D.C.
Ronald E. McNair Postbaccalaureate

Achievement Program
Lie, Gwat-Yong – Instruction \$254,237

WATER INSTITUTE

Michigan State University (p/c USDA), East Lansing, MI
North Central Regional Aquaculture Center Extension Project
Binkowski, Fred P. – Extension & Public Service \$25,500

U.S. Dept. of Agriculture, Peoria, IL
Improving Great Lakes Aquaculture Production
Binkowski, Fred P. – Research \$12,195
Michigan State University (p/c USDA), East Lansing, MI
Feed Training Carnivorous Fish
Binkowski, Fred P. – Research \$21,044

Michigan State University (p/c USDA), East Lansing, MI
North Central Regional Aquaculture Center Baitfish Project
Binkowski, Fred P. – Research \$12,264

WI Dept. of Natural Resources, Madison, WI
Reproductive Behavior and Genomics as Indicators of Toxicity in Streams with Different Amounts of Urbanization
Klaper, Rebecca D. – Research \$10,000

NIEHS CORE CENTER

Emory University (p/c PHS, NIH), Atlanta, GA
Functional Compartmentalization of Neurons and Gila
Tomasiewicz, Henry G. – Research \$34,983

CENTER FOR URBAN INITIATIVES & RESEARCH

Diverse & Resilient, Milwaukee, WI
Diverse & Resilient Youth Risk Behavior Survey
Batson, Terry L. – Extension & Public Service \$4,993

National Youth Leadership Council, St. Paul, MN
Technical Assistance for NYLC’s Self-Assessment Process for Service-Learning Programs
Batson, Terry L. – Extension & Public Service \$7,799

LETTERS & SCIENCE

ADMINISTRATION

UWM Foundation, Milwaukee, WI
Center for Jewish Studies Lecturer
Meadows, G. Richard – Instruction \$20,000

CHEMISTRY

University of Maryland at Baltimore (p/c DHHS, PHS, NIH), Baltimore, MD
GABA Receptor Sub-Units in Alcohol Reinforcement
Cook, James M. – Research \$68,392

CENTER FOR JEWISH STUDIES

UWM Foundation, Milwaukee, WI
General Support
Frankfort-Nachmias, Chava – Extension & Public Service \$15,000

PHYSICS

Brandt Innovative Technologies Inc. (p/c DOD, Office of Naval Research), Pewaukee, WI
Studies of Electromagnetically Excited Ultrasound Propagation (Amendment 2)
Guptasarma, Prasenjit – Research \$18,000

UWM LIBRARIES

ADMINISTRATION

UWM Foundation, Milwaukee, WI
Joe Pabst Planned Support
Barczyk, Ewa – Extension & Public Service \$1,500

NURSING

ADMINISTRATION

Silver Spring Neighborhood Center (p/c Medical College of Wisconsin/ Blue Cross Blue Shield), Milwaukee, WI
Project Respect
Bell-Calvin, Jean – Extension & Public Service \$22,624

UWM Foundation (p/c Children’s Hospital of Wisconsin), Milwaukee, WI
Children’s Joint Research Chair
Lundeen, Sally – Research \$134,869

HELEN BADER SCHOOL OF SOCIAL WELFARE

CRIMINAL JUSTICE

Office of National Drug Control Policy, Washington, D.C.
High-Intensity Drug Trafficking Area (HIDTA)/UWM Collaborator
Stojkovic, Stan – Extension & Public Service – \$31,647

STUDIES ON FAMILY & LONG-TERM CARE

Alzheimer’s Association, Chicago, IL
Assessing a Protocol to Strategically



EXTRAMURAL AWARDS - PROGRESS TO DATE

FY 2008	Period 3 - October 2007		Year-to-Date	
	Federal	Total	Federal	Total
Research	\$ 1,710,659.00	\$ 2,104,179.00	\$ 11,984,262.00	\$ 14,088,263.00
Instruction	\$ 474,452.00	\$ 514,734.00	\$ 4,367,886.00	\$ 4,466,568.00
Extension	\$ 3,793,847.00	\$ 4,148,901.00	\$ 5,721,085.00	\$ 6,622,029.00
Student Aid	\$ 20,904.00	\$ 287,462.00	\$ 601,175.00	\$ 1,184,033.00
Other	\$ -0-	\$ 679,250.00	\$ -0-	\$ 1,713,342.00
TOTALS	\$ 5,999,862.00	\$ 7,734,526.00	\$22,674,408.00	\$28,074,235.00

FY 2007	Period 3 - October 2006		Year-to-Date	
	Federal	Total	Federal	Total
Research	\$ 1,449,166.00	\$ 1,665,139.00	\$ 12,734,262.00	\$ 15,299,963.00
Instruction	\$ 523,798.00	\$ 583,298.00	\$ 6,546,763.00	\$ 6,814,490.00
Extension	\$ 305,447.00	\$ 419,181.00	\$ 1,723,604.00	\$ 2,580,668.00
Student Aid	\$ 25,000.00	\$ 39,500.00	\$ 9,067,333.00	\$ 9,576,140.00
Other	\$ -0-	\$ 34,672.00	\$ -0-	\$ 1,416,292.00
TOTALS	\$ 2,303,411.00	\$ 2,741,790.00	\$30,071,962.00	\$35,687,552.00

Grant information is prepared by the Graduate School. If you have questions or comments, contact Kenneth D. Buelow, director of information, technology & analysis, 414-229-5449. More detailed grant information also is available on the Web at www.graduateschool.uwm.edu/research/extramural-funding-reports/.

UWM scores academic honors

By Kevin J. O'Connor, Sports Information Director

WOMEN'S VOLLEYBALL, BASKETBALL TEAMS WIN NCAA AWARD

The UWM women's basketball and women's volleyball teams have been honored with the NCAA Public Recognition Award.

The award is given to teams that have an NCAA Division I Academic Progress Rate in the top 10 percent of all squads in their respective sport.

Academic success is nothing new to either program. The women's volleyball team is regularly honored by the American Volleyball Coaches' Association for its academic success, and the team posted a department-best 3.461 cumulative grade-point average after the spring 2007 semester.

The women's basketball team has also been honored in recent years by the Women's Basketball Coaches' Association, and posted a 100 percent graduation success rate in figures recently released by the NCAA.

Both programs have succeeded academically while also succeeding on the playing court. The women's basketball team won the Horizon League two seasons ago and is picked to win the crown again this season.

The women's volleyball team has won the last five Horizon League regular-season titles.

"I think this recognizes the focus and discipline off the court our players have shown over the years," says women's basketball head coach Sandy Botham. "To have that high of a graduation rate and academic success rate is something to be very proud of, and we use those figures as a strength of our program. Whenever we bring a recruit into the program, we tell them that they are here to get their degree and basketball is the fun part."

"We certainly strive to be at the top when it comes to academics," says volleyball head coach Susie Johnson. "For us, having the highest grade-point average in the department and being recognized nationally for our academic success is very important. We place a very high priority on success in the classroom, and our athletes focus on getting their degree. Winning on the court the way we have is then the icing on the cake."

The awards bring back into focus the tremendous academic success a large number of UWM student-athletes have enjoyed in recent years. The cumulative grade-point average for all of UWM's nearly 300 student-athletes is above 3.0, while 174 student-athletes had a GPA of at least 3.0 as of June of this year.



Leanne Felsing



Aubri Rote

THREE SOCCER PLAYERS NAMED ACADEMIC ALL-DISTRICT

UWM seniors Zeke Dombrowski and Joanna Severson, and junior Erin Kane, have been named to the ESPN The Magazine Academic All-District Team by the College Sports Information Directors of America (CoSIDA).

Dombrowski had a stellar senior season, leading the team in goals, assists, points, shots, shots on goal and minutes played. In the classroom, he has been named to the Horizon League Honor Roll and was selected Horizon League Scholar-Athlete of the Week Oct. 8 this season.

Severson split time between the midfield and defense this season, contributing to a Panther defense that spent much of the season among the national leaders in most statistical categories. Severson is an accounting/finance major and boasts a 3.92 grade-point average.

Kane has started every match in goal for Milwaukee, while setting a school and league record for career shutouts. She has also set records for career wins and minutes played. Kane is a pre-veterinary major and has a 3.35 GPA.



Zeke Dombrowski



Erin Kane



Joanna Severson