UD to host Ohio Academy of Science meeting in 2006

Scientists, engineers, students, educators and those fascinated by the world around them are invited to participate in the Ohio Academy of Science’s 115th annual meeting, which will be hosted by the University of Dayton April 21-23. This year’s theme is “Science and Engineering on a Nanoscale.”

The conference will include several hundred presentations on a variety of scientific topics, as well as workshops and field trips. Professionals, faculty, graduate and undergraduate students as well as pre-college students interested in presenting papers at the meeting must submit an abstract or, for college undergraduates who have not completed research, a research-in-progress summary. All submissions must be postmarked by Nov. 7.

All abstracts and summaries will be peer-reviewed, and those chosen will also be published in The Ohio Journal of Science, the academy’s international journal.

The Ohio Academy of Science is a not-for-profit organization dedicated to fostering curiosity, discovery and innovation in science, education, engineering, technology and their applications.

Abstract submission forms and registration information can be found at http://www.ohiosci.org.

Dayton Peace Accords, a decade later

Ten years ago the Dayton Peace Accords ended a war that claimed more than 200,000 lives and displaced a million people. Dayton: A Peace Process — a community group of which UD is a partner — in affiliation with the Dayton Council on World Affairs is organizing a number of events to examine Bosnia-Herzegovina 10 years later, compare peace-building challenges in the Balkans with those in Iraq and elsewhere, and explore the role of religion in conflicts and in peacemaking.


Chairs, directors named

Academic appointments for the 2005-06 academic year include new department chairs and program directors:

Civil and environmental engineering and engineering mechanics — Faris Malhas; communication (interim) — Donald Yoder; electrical and computer engineering — Malcolm Daniels; philosophy — William Richards; criminal justice studies — Arthur Jipson; premedical programs — Robert Kearns.

New assistant deans in the College of Arts and Sciences are Andrea Chiordo, John Erdel and Laura Youngblut. Don Polzella is serving as associate dean.

Conference considers engineering’s role at Catholic universities

Alumni, students, professionals and faculty from around the country are invited to explore the role of engineering at Catholic universities at a conference to be held Sept. 22-24 in Kennedy Union.

Keynote speakers, presenters and panels will discuss the role of Catholic universities in scholarship and research, engineering ethics, the melding of Catholic beliefs and engineer-
UD to host Nikki Giovanni as part of communitywide Dunbar celebration

Tickets are on sale for an appearance by poet Nikki Giovanni at 8 p.m. on Friday, Feb. 17, at the Victoria Theatre. The event, which opens with a steel drum performance, is co-sponsored by the University of Dayton Diversity Lecture Series and the English department. Tickets are $12 and $18. Call 228-3630.

Giovanni’s presentation is part of Celebrate Dunbar!, a yearlong community collaboration to honor the life and works of Dayton native Paul Laurence Dunbar, who died in 1906. Dayton Opera, the Dayton Contemporary Dance Co., Sinclair Community College, Wright State University, Central State University and the National Afro-American Museum and Cultural Center in Wilberforce are among the organizations planning events.

Herbert Woodward Martin, UD professor emeritus of English and poet in residence, has two presentations scheduled.

As part of UD’s arts series, he will present “An Evening with Paul Laurence Dunbar” at 8 p.m. on Thursday, Nov. 3, in Boll Theatre. Tickets are $14 for the public, $8 for faculty and staff, and $5 for students. Call 229-2545.

Martin will present “Paul Laurence Dunbar: The Eyes of the Poet,” at 1 p.m. on Saturday, March 25, at the Wright-Dunbar Interpretive Center, 16 S. William St. The Dayton Aviation Heritage National Historic Park is sponsoring the free presentation. Call 443-0249.

For information on all Celebrate Dunbar! events, see the Web site at http://www.celebratedunbar.org.

Distinguished speakers, diverse topics headline series

A former vice presidential candidate, a Harvard genetics professor, an actor-activist duo and an award-winning medical and science writer headline the University’s 2005-06 Distinguished Speakers Series.

The series launched when David Hilfiker, author of Urban Injustice: How Ghettos Happen, spoke Aug. 20 to 2,000 first-year UD students who had read his book during the summer.

The series, sponsored by the office of student involvement and leadership, is free and open to the public. Upcoming speakers include:

- Yarel Arizmendi and Sergio Arau, husband and wife actors, activists and writers — 8 p.m., Monday, Oct. 3, Sears Recital Hall.
- Cliff Tabin, Harvard medical school professor of genetics — 4:30 p.m., Thursday, Oct. 6, Science Center.
- Laurie Garrett, New York Newsday medical and science writer and the only writer to win the Peabody, Polk and Pulitzer journalism awards — 8 p.m., Tuesday, Feb. 21, Kennedy Union ballroom.
- Winona LaDuke, Green party presidential candidate Ralph Nader’s running mate in 1996 and 2000 — 8 p.m., Monday, March 6, Kennedy Union ballroom.
- LaDuke was nominated by Time as one of America’s 50 most promising leaders under 40. She also shared Ms. Woman of the Year honors with the music duo Indigo Girls and was a winner of the Reebok Human Rights award. LaDuke is the program director of Honor the Earth and the founding director of the White Earth Land Recovery Project. Her speech is co-sponsored by UD’s Diversity Lecture Series.

McGinnis Center exhibits ‘The Art in War’

An exhibit of about 40 photographs taken in Iraq by U.S. Marine reservist Benjamin Busch, of College Park, Md., is on display in the McGinnis Center through Dec. 1. Busch took the photos in Iraq in 2003 while serving there as commanding officer of Delta Company, 4th Light Armored Reconnaissance Battalion. “My photos are not pro-war, they’re not anti-war,” Busch recently told the Associated Press. “They don’t say the war is a mistake or it is the best thing we have done. What they do say is, ‘It was war, it was Iraq, and we were there.’”

Exhibit hours are 9 a.m. to 9 p.m. daily.

For more news, see http://campusreport.udayton.edu
UD prepares for NCA reaccreditation

Self-study under way

The University of Dayton will spend the next two years getting ready for some very important visitors. UD has launched a comprehensive self-study process to prepare for review by the Higher Learning Commission of the North Central Association of Schools and Colleges and a campus visit by an NCA accreditation team in fall 2007.

The University is seeking to continue its NCA accreditation for the next 10 years. UD, which has been accredited by NCA since 1928, received its most recent re-accreditation in 1997. The mission of the NCA’s Higher Learning Commission is to serve the common good by assuring and advancing the quality of higher learning.

The NCA accreditation team will look closely at the University’s operations, consider how UD has fulfilled its mission over the past 10 years and assess its capacity for shaping the quality of the institution in the future.

Joe Untener, associate provost, is chairing the steering committee that will structure UD’s self-evaluation. The self-study aims to provide an accurate, inclusive look at the University’s strengths, challenges and opportunities into the next decade.

Steering committee members are Paul Sweeney (management and marketing); James Farrell (English); and Kim Trick (chemistry). To begin to gather information, they have formed an assessment and accreditation team that includes Paul Benson, Kelvin Dickinson, Thomas Eggemeier, Fred Jenkins, Scott Markland, Jay Prasad, Paul Vanderburgh and John Weber. Other members of the University community will be tapped to provide additional expertise and resources throughout the self-study.

“There will be numerous opportunities for all members of the University community to contribute to the process, and we want to make sure everyone is included,” Untener said. A Web site at http://nca2007.udayton.edu is available for participants to post comments, ask questions or volunteer.

The criteria

This fall, subcommittees will be formed and will work from January through September 2006 to develop working papers that demonstrate how UD is fulfilling the five NCA criteria:

■ Mission and integrity — UD operates with integrity to ensure the fulfillment of its mission through structures and processes that involve the board, administration, faculty, staff and students.

■ Preparing for the future — UD’s allocation of resources and its processes for evaluation and planning demonstrate its capacity to fulfill its mission, improve the quality of its education and respond to future challenges and opportunities.

■ Student learning and effective teaching — UD provides evidence of student learning and teaching effectiveness that demonstrates it is fulfilling its educational mission.

■ Acquisition, discovery and application of knowledge — UD promotes a life of learning for its faculty, administrators, staff and students by fostering and supporting inquiry, creativity, practice and social responsibility in ways consistent with its mission.

■ Engagement and service — As called for by its mission, UD identifies its constituencies and serves them in ways both value.

In addition, subcommittees will be formed to draft working papers that provide an institutional snapshot of UD and update the 1997 review.

The NCA will look closely at the University's operations, consider how UD has fulfilled its mission ... and assess its capacity for shaping the quality of the institution in the future.

The timeline

After the subcommittees’ working papers are submitted in fall 2006, the assessment and accreditation committee will compile and edit the self-study. A draft will be distributed to the University community for review and comment in winter 2007. The UD board of trustees will review and approve the final self-study in summer 2007 before the NCA evaluation team visit that fall.

The self-study process and NCA team visit are the first two steps of a five-phase process toward reaccreditation. After the visiting team of evaluators and consultants writes a report and recommendations, an NCA readers’ panel will review the documents from the visit. The NCA’s Institutional Actions Council then acts on the recommendations of the readers’ panel. The NCA board of trustees then validates and finalizes the action, and reaccreditation is granted for another 10 years.

NCA members include schools and colleges in 19 states. To learn more about the NCA, see http://www.ncahigherlearningcommission.org.

—Deborah McCarty Smith

Alumni Association will honor six UD graduates

Each year the National Alumni Association honors alumni for exemplifying UD’s emphasis on learning, leadership and service. On Sept. 16 at the alumni leadership conference, six alumni will receive awards. They are:

■ Peter Luongo ’65 — Distinguished Alumnus Award. Luongo, retired president and CEO of the Berry Co., has served the University on numerous boards and advisory committees and chaired his 30th class reunion. He is an executive-in-residence in the School of Business Administration.

■ The Rev. JD Grigsby Jr. ’73 — Christian Service Award. A former Dayton Flyers basketball player and Dayton Public Schools teacher, Grigsby is the pastor of Grace AME Church in Bellefontaine, Ohio. He is pursuing a doctorate in Christian counseling.

■ Daniel Denlinger ’79 — Special Achievement Award. Denlinger, staff development engineer and continuous improvement principal for Delphi Corp., worked to establish UD as one of Delphi’s five strategic partners worldwide.

■ Michelle Mirto ’91 — Special Achievement Award. Mirto directs the Volunteer Law Program in Arizona, where more than 1,000 volunteer attorneys provide pro bono services to poor people. The project served 3,182 persons in nine counties in 2004.

■ Joseph Scaminace ’75 — Special Achievement Award. President and CEO of OM Group in Cleveland and former longtime Sherwin-Williams executive, Scaminace is widely recognized for leadership skills.

■ Maura Carew ’04 — Joe Belle Memorial Award. Former president of UD Pax Christi, Carew has continued her work for social justice, serving with Franciscans International in Colombia.

—Deborah McCarty Smith
At the fall faculty meeting in 2004, Provost Fred Pestello announced a new grant opportunity aimed at stimulating changes that would lead to an enhanced student culture for academic engagement and excellence. The provost set aside $100,000 to be managed by the faculty development committee and awarded to proposals that, among other criteria, would:

- Catalyze significant new ways of engaging student learning outside the classroom.
- Go beyond ordinary curriculum improvement and development to ensure that students become fully engaged in courses and programs.
- Help students become a community of motivated learners that are successful when challenged with rigorous academics.
- Not only impact changes in the behavior of students... but help catalyze changes in faculty and staff to support student learning.
- Create significant systemic changes that would offer a long-term and sustainable impact on the student culture of academic engagement and excellence.

“Projects funded by these grants will allow the entire UD community to discover that academic engagement forms the foundation of excellence, and creating this engagement involves a partnership between faculty, students and staff in innovative ways,” said David Wright, who co-chairs the faculty development committee with Deb Bickford.

The grants, which were funded last spring, focused on building engagement using collaborative processes across the University, Wright said.

**Funded projects**

Team leaders and the titles of projects receiving funding are:
- **Sean Wilkinson** Perspectives on Cities: A New Approach to Integrated Learning and Teaching at the University of Dayton $11,000
- **Heidi Gauder** “Porch Reads”: Conversations Within the Campus Community $7,500
- **Chris Schramm** Academic Passions Seminar $18,000
- **Crystal Caruana Sullivan** Perspectives on Faith and Life Series $7,200
- **Julie Brill** Critical Issues for Professional Preparation: Life Decisions and Workplace Issues Workshop $6,525
- **Lissa Stapleton** Servant Leadership Housing in Garden Apartments $8,100
- **James Dunne** Academic Excellence and Alcohol Behaviors of Business Students $10,000
- **Jim Globig** Development of an Integrated Arts & Technology Program $17,000
- **Daniel Goldman** A Multi-Disciplinary, International, Experiential Learning Program: Cultural Immersion, Geohazards, and Service in Ecuador $8,952
- **Patricia Hart** An Intellectually Challenging First Year Experience Long Seminar Based on the Marianist Characteristics for SOEAP Berry and Honors Students $5,723
- **Kathleen Webb** Take a TRIP (Tour of Roesch Information Places) for Academic Success $4,150 (Additional funding provided by a collaboration between the Library and LTC to fund).
'How often do you get someone who wants to talk about sewage sitting across the table from someone who wants to talk poetry?'

Consider the city ... from the viewpoint of an artist, an environmentalist, an engineer, a venture capitalist or a cab driver.

The perspectives are as numerous as the listings in the Manhattan telephone directory.

The diversity of those viewpoints has inspired a project called Perspectives on Cities that seeks to create a set of set of five new multidisciplinary courses. The project received an $11,000 grant from the provost’s initiative, Enhancing Student Culture for Academic Engagement and Excellence.

The project, said Sean Wilkinson, visual arts professor and one of the project’s originators, is "about the city as a powerful human phenomenon that can be addressed as a compelling and important subject through the integration of perspectives and expertise drawn from virtually every academic discipline at the University of Dayton."

Or, as he also describes it, "How often do you get someone who wants to talk about sewage sitting across the table from someone who wants to talk poetry?"

The idea grew from the collaboration between Wilkinson and Joseph Saliba, dean of the School of Engineering, on Constructing Civilization: Cities in Art and Engineering, the course they created in 2002 as Humanities Fellows, an initiative supported by a National Endowment for the Humanities challenge grant.

To create this new proposal, Wilkinson and Saliba brought Patrick Donnelly, who teaches urban sociology, and John Heitmann, who teaches the history of civil engineering, into the mix.

Before long, faculty from throughout the College of Arts and Sciences and three professional schools — folks who might never have had an academic occasion to collaborate — were discovering a mutual interest in the subject of the city. "Since the 19th century, the urban environment has become the most universal of human experiences," Wilkinson said. "I’m not aware of any other enterprise at UD that has sought to bring together such a diverse group of people around a topic."

Each course is formed from several disciplines and will be delivered by a team of faculty with others participating as guests. The city of Dayton and its resources will be a focus in each of the courses.

The working titles of the first two courses, to be piloted in the 2006-07 academic year, are:

- Machines, Structure and Infrastructure — to be taught by Don Chase (civil engineering), Kevin Hallinan and Kelly Kissock (mechanical engineering), John McCombe (English) and John Heitmann (history).
- Society, Citizenship and Values I — to be taught by Patrick Donnelly (sociology), Rebecca Whisnant (philosophy), Cecilia Moore (religious studies) and Richard Stock (economics).

Additional courses to be phased in are:

- Geography, Geology and the Environment
- Art, Literature, Film and Music
- Society, Citizenship and Values II, a new section that would focus on history, political science and law.

Other faculty members participating in developing the courses include Janet Bednarek (history) and Michael Sandy (geology).

Each course will be constructed to meet general education requirements, and the faculty anticipate the possibility that completing three courses could fulfill a thematic cluster requirement. Students who complete all five courses would have the opportunity for an additional three-hour service-learning or in-depth research project.

"Because of its ubiquity and its critical role in shaping the future of humankind, the city provides one of the most meaningful and engaging agencies through which we may study virtually every facet of human enterprise and come to understand different world cultures," Wilkinson said.

—Deborah McCarty Smith
Getting minds in gear

Academic passion — pass it on

Professors often teach what they love — and love what they teach — but few course catalogs accommodate interests like thrift stores or the great outdoors.

That will soon change, thanks to the Academic Passions Seminar, which allows faculty to discuss and explore their personal passion with a group of 12 to 15 first-year students.

Off-campus activities, covered by the $18,000 grant, will complement classroom time and let students experience the professor’s, and perhaps their, passion.

“It’s more than faculty teaching their outside interests and what they know,” said Chris Schramm, who proposed the program. “It’s what they’ve researched. It’s what’s come to life for them. This is their passion.”

Faculty proposed wide-ranging topics, from the response of South African writers to apartheid, to sustainability and the decline of environmental quality, to alternative film and communities.

Student development staff members will act as advisers, meeting individually with students to help them reflect on the seminar and their own development. Schramm, assistant dean of students and director of residence education, hopes this partnership of students, faculty and staff will foster both academic and personal relationships.

“We want to build those relationships that the University of Dayton is really known for,” she said.

Inspiration for the Academic Passions Seminar came from similar programs at other universities and Schramm’s desire to extend first-year experience seminars into the second semester.

Each of the nine seminar sections will be different, but her goal is that whatever the passion, the one-credit course will enhance student life and help students see faculty and staff in a multidimensional light.

“I hope it will make the first year more cohesive, more stimulating, more creative and more academic-focused,” said Schramm. “That’s what we’re really looking for in a first-year experience.”

—Lauren Pauer

‘Porch Reads’ encourage the pleasures of reading and talking about books

Students gather and talk on their porches. They eat and drink on their porches. But students don’t seem to read on their porches.

A recent survey found UD undergraduates read less often for pleasure than undergraduates at other universities. To encourage more students to read, whether it’s on their porches or in their bedrooms, Heidi Gauder proposed “Porch Reads” — Conversations with the Campus Community, a semester-long program in which groups of second-year students, led by faculty and staff, read and discuss a book over refreshments.

“Reading and learning from books doesn’t just have to be in class. We hope the students come together with faculty and find there’s common ground outside the classroom,” said Gauder, coordinator of instruction at Roesch Library who leads a team of library and residence education staff to implement the grant.

The program was modeled on The Big Read, a regional effort to foster reading and discussion. Many on campus participated in the spring event.

Unlike The Big Read, the students will choose what their small group reads from a selection of books. Discussions will take place in residence halls.

“Porch Reads,” though not for credit, will offer an incentive to participate. A textbook voucher from the University bookstore will be raffled off at every small group discussion.

Gauder deliberately chose second-year students to benefit from the $7,500 grant, which she hopes will reach 300 students over two semesters.

“There are all kinds of programs for first years, but second years still may be figuring out who they are and what they want to be,” she said.

—Lauren Pauer

Learning at the intersection of arts and technology

Kenny Mosher headed to college interested in math, physics, calculus, movies and music. Engineering wasn’t creative enough, and he didn’t want to be a music major.

Starting this fall, Mosher and others can combine both through the University of Dayton’s integrated arts and technology program.

“So often we hear parents selling engineering to their children with, ‘I know you love music but you have to make a living,’” Jim Globig, a UD associate professor of engineering technology, said. “How great would it be if they didn’t have to choose? This offers foundations in the technical aspects of the arts students couldn’t otherwise receive in just engineering or music.”

Through UD’s department of engineering technology, students can learn the technological aspects of music, visual communication, and design or theater.

“A job with Disney would be awesome, but I am open-minded to where this can take me,” Mosher said. “I’m happy to find a path that allows me to combine my interests.”

Possible careers include theater set design, working in recording studios, sound engineering or instrument manufacturing.

There are many examples of where arts and technology intersect — introductory mechanics for designing stage props that won’t collapse, introductory circuits for theatre lighting, and digital communications for Internet design.

“This allows students to receive a broader-based education,” Globig said. “In the past, engineers graduated and just did engineering design work. Today, employers want someone who can be more than just an engineer.”

No additional campus facilities are needed, and the Dayton Art Institute, the Schuster Performing Arts Center and the Victoria Theatre will serve as offsite “labs.”

New York University, Ball State, Northeastern and Northwestern are among the handful of universities offering an arts and technology program.

—Shawn Robinson
On June 13, the University of Dayton and NCR finalized, after an 18-month process, UD's purchase for $25 million of 49 acres from NCR. The land stretches along Stewart Street from Brown Street to Patterson Boulevard on the Great Miami River.

Nestled in the southeast corner of the property is a building included in the purchase. It is more than twice the size of what had been UD's largest building, Marycrest Complex.

The purchase increases the size of UD's campus by nearly a quarter, to 265 acres. Shroyer Park covers nine; the Arena sports complex, 30; residential properties, 67; and the previous core campus, 110. That core now expands west toward Main Street, with the land beyond that (between Main and Patterson) being looked at for mixed-use development, that is, development including a variety of purposes — commercial, retail and residential.

This prospect prompted the Dayton Daily News to praise the sale as "a much-needed win for Dayton, bringing to its center what has the potential to be an important real estate development."

Dayton City Manager James Dinneen sees the purchase as "one of the biggest things the University has ever done. It solidifies the long-term growth of that part of the region."

Once home to a family of NCR factories, the site has lain idle for years in the wake of mechanical cash registers yielding to electronic business machines. The property's strategic value lies not only in its size but in its location. Just to the south is the suburb of Oakwood. A short distance to the north is downtown Dayton.

Immediately to the north is the Fairgrounds neighborhood, which barely 10 years ago was infested with drugs and prostitution. In the year 2000, however, UD joined with its neighbor Miami Valley Hospital, the city of Dayton and CityWide Development Corp. in a $15 million public-private partnership called Genesis that helped revitalize an area already on the mend.

Concurrent with the movement of families back into the neighborhood was a commercial renaissance on Brown Street. Across the Great Miami River from the newly acquired land, the UD Arena is now set off by an athletics complex including the new baseball field (Time Warner Cable Stadium), the new softball field and the new track and football practice facilities. And construction is beginning along the river next to the softball field on the first hotel development in the city of Dayton in two decades, a Courtyard by Marriott, a partnership of the University and Concord Hospitality, a Raleigh, N.C., hotel development and management company.

As the University looks at how to develop its new land, it is engaged in numerous conversations with area residents, businesses (including NCR) and other parties. "We've been having discussions with the city and county for two years," said Daniel J. Curran, UD president, "on how to make the right decisions regarding the impact on the community. In selecting a developer, it's important we choose someone who understands UD, its needs and the needs of the community."

The University is creating a new master land-use plan for all of the previous campus and the eastern portion of the new land. Curran and other UD administrators have made it clear that whatever is developed on the land to the west, nearest the river, will be not only functionally and aesthetically congruent with the nature and mission of the University but integrated into the master plan.

The mixed-use development, Curran said, presents "a tremendous opportunity to contribute to the economy of the Miami Valley in a way that contributes revenue to the University."

The regional impact of UD's future actions showed in the attendance at the June 13 announcement of the purchase of not one but two congressmen. Joining Curran, NCR interim CEO James R. Ringler, city manager Dinneen and UD trustees Richard Finan (former president of the Ohio State Senate) and Vicki Giambrone (National Alumni Association president) were Rep. Michael Turner of Dayton and Rep. David Hobson of Springfield. Both congressmen flew in from Washington for the event.

The master land-use plan that will guide UD's future construction will come together during the next year as a steering committee of members of the UD community works with a planning consultant, said Rick Perales, campus planning director. The University's last master plan was approved in 2000. Envisioned in that plan were the Science Center, ArtStreet and the RecPlex — now either built or under construction. What the plan envisioned as a new classroom building evolved into Marianist Hall, in which the University is now probing the relationship of living and learning.

"Plans are evolutionary," Perales said.

By 2003, the 2000 plan needed revision. The University waited to update it, according to Pe-
From brownfield to catalyst for development

The University of Louisville constructed its football stadium on a brownfield.

Miranova — a $150 million development of upscale condos and corporate offices — rises up from the bank of the Scioto River in downtown Columbus, Ohio, where a former oil and grease manufacturing facility once stood.

One of the biggest brownfield projects is in Atlanta, where an old, abandoned steel mill is being turned into Atlantic Station, a $2 billion project that, when completed in 2015, will feature offices, apartments, condos, 1,000 hotel rooms — even four acres of public parks and movie theaters.

Experts say it’s not unusual that the University of Dayton is embarking on the remediation and redevelopment of land that has stood largely unused since NCR removed its manufacturing facilities from the site in the 1970s. Brownfield redevelopment is hot, with a growing track record of success.

“Brownfield redevelopment is no longer unique. It’s in vogue,” says Robert Colangelo, executive director of the National Brownfields Association in Chicago. “It’s still an art, but over the last 10 years, a number of professionals have developed an understanding and expertise about how to remediate and redevelop these sites.”

Like Todd Davis, an environmental lawyer who literally wrote the book on converting abandoned or underused industrial sites. His 1,077-page book, Brownfield: A Comprehensive Guide to Redeveloping...
“There is no other way to reinvigorate urban areas,” said Davis, CEO of Hemisphere Development in Cleveland and one of UD’s environmental consultants. Hemisphere and Hull & Associates Inc. conducted exhaustive testing on the property before UD closed the sale.

“This site has tremendous potential and is viable for redevelopment. Based on our investigation, the historical issues identified at the site were not surprising and certainly are manageable,” Davis said. “The majority of the land already meets commercial standards.”

When Davis first wrote his book, “there was almost no funding for brownfield redevelopment. Now, there’s significant funding available to facilitate redevelopment. UD’s redevelopment basically mirrors a trend of organizations voluntarily redeveloping sites with historical legacies for productive use. It’s exactly what governments at every level are encouraging in terms of reclaiming our communities.”

There’s no national database of brownfields, “but I can certainly say without a stretch that brownfield redevelopment is a significant issue in the city of Dayton, every major city in Ohio and every industrialized state,” said Davis, who estimates at least 1 million sites around the country.

That’s the major reason why the Ohio Environmental Protection Agency initiated the Voluntary Action Program, what Davis calls “one of the most comprehensive and progressive voluntary cleanup laws enacted in any state to date.” The $200 million Clean Ohio Revitalization Fund (CORF) provides up to $3 million in grants to any one project.

In June, the city of Dayton submitted a CORF application to remediate 11 acres of riverfront land on the former NCR property. The land by the Great Miami River is expected to be used for commercial and mixed-use development. The Clean Ohio Council, a publicly appointed board, will review the grant application later this year. In the meantime, Rep. Dave Hobson of Springfield, with the support of Rep. Mike Turner of Dayton, included $2.5 million in the fiscal year 2005 Energy and Water Development Appropriations bill for water and sewer infrastructure needs — work that will be overseen by the U.S. Army Corps of Engineers.

“The project will serve as a catalyst to urban development in Dayton, providing critical expansion area for the University of Dayton,” wrote Norman F. Essman, director of Dayton’s office of economic development, in a letter to City Manager James Dinneen before the city commission approved the CORF application. “The area could be used for new residential units, green space for Dayton residents and significant commercial development, potentially including office, research and retail uses.”

The potential for revitalization, observed UD’s President Daniel J. Curran, has “sparked the imagination of campus, community and political leaders.”

—Teri Rizvi

\textbf{GROWING, from previous page}

\textit{This site has tremendous potential and is viable for redevelopment.  
... The majority of the land already meets commercial standards.'}
Construction, renovation come with summer on campus

“So, do things slow down for you in the summer?”

If there were a question guaranteed to grate on the nerves of the folks who work in facilities management, residential services, residential properties and information technology, that might rank near the top.

Campus improvements and construction projects shift into high gear during the summer. If you were away from campus, here are some of the highlights you may have missed.

As part of a $586,000 project, the University of Dayton upgraded all houses in the neighborhoods surrounding campus by adding network equipment and 350 wireless access points. The new wireless network provides connection speeds of up to 54 megabits per second, compared to the typical home cable modem connection of about 2 megabits per second. In all, UD now has more than 700 wireless access points throughout campus, including 240 in academic buildings and green spaces and more than 450 in residential areas.

The RecPlex, a $25.3 million, three-story fitness and recreation center is on schedule to open in January on Founders Field. Construction on the pool, which suffered a setback during heavy spring rains, is back on track for on-time completion.

The $3 million first-phase renovation of Kettering Laboratories, which houses the School of Engineering and the University of Dayton Research Institute, includes an expanded entryway to serve as the base for a five-story tower of classroom space and a lounge.

Outside, new walkways and lawn seating are being created. The third floor of the 35-year-old building includes new spaces for the departments of mechanical engineering, engineering management systems and electrical engineering. An innovation center, the centerpiece of the project, is expected to be constructed next summer in a later phase.

In Miriam Hall, a $2.5 million renovation of the second floor includes new classrooms for the School of Business Administration, a learning lounge and enlargement of the L. William Crotty Center for Entrepreneurial Leadership. It also features a one-stop shop for undergraduate academic and career advising and a space for career exploration activities designed to complement introductory coursework.

More than $4 million in renovations and new construction was spent in the south University neighborhood, including $1 million in new plumbing and upgraded kitchens in Campus South apartments and $500,000 in exterior improvements to University-owned houses.

All the original plumbing in Campus South, a 40-year-old building, was replaced, and 52 kitchens were renovated during the window between May 23 (when the Hamvention conventioneers moved out) and Aug. 1 (in time for the football team to move in).

Returning students also found improved security in all the residence halls with public elevators. Security cameras were installed in 17 elevators, a project that cost more than $50,000.

In UD’s version of Curb Appeal, more than 70 houses in the south University neighborhood underwent a beautification blitz. Twenty-two houses received new vinyl siding, and 31 houses were treated to exterior paint jobs.

In UD’s version of Curb Appeal, more than 70 houses in the south University neighborhood underwent a beautification blitz. Twenty-two houses received new vinyl siding, and 31 houses were treated to exterior paint jobs.

Returning students found spruce-ups of all sorts sprinkled among the houses between Stewart and Irving: nine rebuilt porches, new concrete retaining walls on Lowes, new city sidewalks on Brown and on Stonemill, 15 new roofs, five remodeled kitchens, 10 remodeled bathrooms, new windows in 10 houses and carpeting in 25.

In addition, UD will finish the construction in December of seven new houses, which includes two sorority houses. An existing building is being renovated for another sorority.

The $300,000 ArtStreet amphitheater is nearing completion.

For construction updates, see facilities management’s Web page at http://www.udayton.edu/~facman/.
Faris Malhas
Structuring a new era in engineering education

Faris Malhas feels equally at home in a college classroom or at a construction site. The new chair of civil and environmental engineering and engineering mechanics is enjoying a bit of both worlds as he settles into his office in the under-construction Kettering Labs.

Malhas has studied, taught or worked as a structural engineer in Bahrain, Lebanon, Jordan and the United States. He can claim the distinction of having been both a university teacher and a university builder.

After graduating from the University of Michigan with a master’s in civil engineering in 1978, he worked as a structural engineer at the newly founded Yarmouk University in Irbid, Jordan.

Working in the equivalent of UD’s facilities management department, he was responsible for the structural design of about 250,000 square feet of reinforced concrete and steel buildings: classroom buildings, cafeterias, faculty apartments, a student center, gym and more.

“I was fresh out of college, and people were throwing blueprints at me,” he said. But he learned quickly and pioneered the use of computer-aided structural design at the university. A current version of the FORTRAN program he used is still taught to University of Dayton engineering students today.

Reinforced concrete is the building material of choice in the Middle East, and Malhas wanted to learn more about the behavior and design of concrete structures. When he decided to pursue a Ph.D., he chose to study with one of the leading structural engineering educators in the United States, Charles Salmon, now professor emeritus at the University of Wisconsin-Madison.

Malhas served as Salmon’s teaching assistant for four years, earning a Ph.D. from Wisconsin in 1988.

“I wound up falling in love with teaching,” Malhas said, laughing as he recalled that he entered the engineering field to avoid the career path of his parents, both teachers.

His relationship with his mentor has continued. Malhas and Salmon are co-authors of the fifth edition of Steel Structures: Design and Behavior forthcoming this fall. The text “is the most-used book in the world” for that topic, Malhas said, adding that he is looking forward to “putting UD’s name on a famous book.” He is also a co-author with Salmon on another forthcoming text, the second edition of Introductory Structural Analysis.

During his career, he has overseen the structural design of a 30-story office building, a mosque, a church and a high-rise apartment building—all irregular structures and architecturally challenging projects.

In addition to concrete, Malhas knows a good deal about pool cues and how much they vibrate when they hit the ball. In a recent research project sponsored by a manufacturer of composite cues, “we found out the amount of mass of the first five inches of the cue is critical to the duration of contact with the tip of the cue.”

Before coming to UD, Malhas served as founding faculty member and coordinator of the civil engineering program at the University of North Florida and shepherded the program through ABET accreditation.

The University of Dayton, he said, is “a national university with an engineering heritage that everyone knows about. A place like this allows you to dream more.”

As he dreams the future of civil engineering education at UD, Malhas sees research

Jennifer Mies, a 2005 University of Dayton graduate, earned a student Fulbright grant to become a teaching assistant in Munich, Germany. The 10-month grant allows Mies to assist a high school English teacher and create after-school educational opportunities. Mies majored in German at UD and completed the E-11 program leading to teacher licensure. In her third year at UD, she studied at the Ludwig Maximilian University of Munich.

On Sept. 9 Dilip Ballal, the Hans von Ohain Distinguished Professor of Mechanical and Aerospace Engineering, will present a plaque and citation to the German Ministry of Aviation and Rostock Airport Authority for an international terminal to be named in honor of von Ohain, jet engine pioneer.

The plaque reads, “Near this site, on 27 August 1939, the world’s first successful flight of an aircraft powered by a gas turbine engine occurred as the result of the work of Dr. Hans J. P. von Ohain. ... In his footsteps, the ASME International Gas Turbine Institute is dedicated to supporting the international development and exchange of information for the benefit of all types of gas turbines, turbomachinery, and related equipment.”

Ballal is ASME vice president.
opportunities spurred by population growth, infrastructure problems, environmental issues and new technologies, such as biotechnology, nanotechnology and smart materials.

He also believes students will need to be educated differently and prepared for lifelong learning and online learning. Increasing diversity in the engineering field, providing opportunities for global learning and adapting the curriculum to reflect industry developments, such as the design-build trend — where the same person serves as designer and contractor — are some of the challenges he sees.

“We cannot just hold on to the old paradigms. We have to make bold moves and take brave steps.”

—Deborah McCarty Smith

New faculty

University of Dayton faculty for the 2005-06 academic year are:

**College of Arts and Sciences**

- **Karen Bartley** - Lecturer, History, Ph.D., Kent State University, 1999
- **Jason Combs** - Lecturer, Communication, M.A., University of Dayton, 1998
- **Leah DeAlia** - Lecturer, English, Ph.D., University of Michigan, 1981
- **Rebecca Fetherson** - Lecturer, Biology, M.S., Miami University, 2005
- **Daniel Figueroa** - Lecturer, Languages, M.Ed., Wright State University, 2004
- **Anthony Fulton** - Lecturer, English, M.A., University of Dayton, 2005
- **Myrna Gabbe** - Assistant Professor, Philosophy, Ph.D., University of Pennsylvania, 2001
- **Mike Grunenwald** - Lecturer, Philosophy, M.A., Vanderbilt University, 2001
- **Dwight Haase** - Visiting Assistant Professor, Sociology, Anthropology & Social Work, Ph.D., University of Wisconsin, 2001
- **Usha Hariharan** - Lecturer, Communication, M.A., Bharathi Dasan University, 1984
- **Yiling Hong** - Assistant Professor, Biology, Ph.D., University of Kentucky, 1997
- **Victoria Houseman** - Lecturer, History, Ph.D., Washington University, 2004
- **S. Clara Kim** - Lecturer, Sociology, Anthropology & Social Work, Ph.D., University of Virginia, 1986
- **Keri Kirschman** - Assistant Professor, Psychology, Ph.D., University of Kansas, 2003
- **Amy Krug** - Lecturer, English, M.A., University of Dayton, 2004
- **John Leazer** - Lecturer, History, Ph.D., Loyola University, 2005
- **Kimberly Leighton** - Visiting Assistant Professor, Philosophy, Ph.D., University of Massachusetts, 2003
- **Linghong Li** - Lecturer, Physics, Ph.D., University of Rhode Island, 2005
- **Grant Neeley** - Associate Professor, Political Science, Ph.D., University of Tennessee, 1996
- **Cyril Orji** - Lecturer, Religious Studies, Ph.D., Marquette University, 2003
- **Mark Ormond** - Executive Director, India Program, M.A., St. John’s University, 1977
- **Heather Parsons** - Lecturer, Communication, M.A., University of Dayton, 1997
- **Leslie Picca** - Assistant Professor, Sociology, Anthropology & Social Work, Ph.D., University of Florida, 2004
- **Akhila Ramnarayan** - Assistant Professor, English, Ph.D., Ohio State University, 2005
- **Maureen Sexton** - Lecturer, English, M.A., University of Dayton, 2002
- **Nadya Tanova** - Lecturer, Languages, M.A., Purdue University, 2002
- **Chanasa Tiengtrakul** - Visiting Assistant Professor, Sociology, Anthropology & Social Work, Ph.D., Brown University, 1996
- **James Uhlman** - Lecturer, History, B.A., Indiana University, 1998
- **Albertina Walker** - Lecturer, English, Ph.D., University of Cincinnati, 2005
- **Yuegen Yu** - Lecturer, History, Ph.D., West Virginia University, 1999

**School of Business Administration**

- **Ana Balcarcel** - Assistant Professor, Economics and Finance, M.S., Arizona State University, 1999
- **Fukuo Albert Wang** - Associate Professor, Economics and Finance, Ph.D., University of North Carolina, 1994

**School of Education and Allied Professions**

- **Joni Baldwin** - Assistant Professor, Teacher Education, Ed.D., University of South Dakota, 2004
- **Rachel Colloy** - Assistant Professor, Teacher Education, Ph.D., University of Michigan, 1999
- **David Dolph** - Clinical Faculty, Educational Leadership, Ph.D., University of Dayton, 1994
- **Lars Dzikus** - Lecturer, Health and Sport Science, Ph.D., University of Dayton, 2004

**School of Engineering**

- **Deogratias Eustace** - Assistant Professor, Civil and Environmental Engineering and Engineering Mechanics, Ph.D., Kansas State University, 2001
- **Charles Browning** - The Torley Chair in Composite Materials Engineering, Ph.D., University of Dayton, 1976
- **Faris Malhas** - Professor and Chair, Civil and Environmental Engineering and Engineering Mechanics, Ph.D., University of Wisconsin, 1988

**School of Law**

- **Robert Lech** - Visiting Assistant Professor, School of Law, J.D., Detroit College of Law, 1991
- **Victoria Van Zandt** - Assistant Professor of Lawyering Skills, School of Law, J.D., University of Dayton School of Law, 1996

Meet your new colleagues at a reception in Torch Lounge following the faculty meeting at 3 p.m. on Friday, Sept. 9. Joining the University of Dayton faculty for the 2005-06 academic year are:

* Previously employed at UD as a part-time faculty member

Sept. 2, 2005  Campus Report  13
John Heitmann
Humanities frontman

John Heitmann’s office in the Humanities Center on a mid-June morning buzzed with UD’s version of surround sound. Pneumatic hammers zapped outside Kettering Labs while a demolition machine slammed against the concrete steps at Chaminade Hall’s south end.

In the construction noise, Heitmann, a historian of science and technology, heard the music of momentum and the sounds of “a healthy, vibrant campus community.”

He’s equally optimistic about the potential of the position he began July 1 as alumni chair in the humanities. “The possibilities are endless,” he said of the opportunities to promote the humanities.

Heitmann, the fourth UD professor to hold the humanities chair, wants to strengthen connections between humanities scholars and the public. “The public has a great interest in and embraces the humanities in many ways,” he said, noting the popularity of the History Channel and other humanities-related cable television programs. “Yet humanities scholars are pretty isolated.” He’ll work to bring the eight humanities departments on campus into a conversation about the humanities and a public audience.

The annual humanities symposium also offers opportunities to forge those connections. For the 2006 symposium, Heitmann plans to explore “the city, the humanities and the University,” focusing on the city of Dayton.

The theme dovetails with David Hilfiker’s book Urban Injustice, which first-year students have read and discussed, and relates to work that Heitmann, as part of a team, has been doing to launch Perspectives on Cities, an integrated, multidisciplinary approach to learning and teaching that will include five courses. (See related story, Page 6.) Heitmann, who teaches the history of the automobile as a way of understanding 20th-century culture and cities, will bring those insights into the Perspectives on Cities proposed course on machines, structures and infrastructures. Automobile history, he said, is “a way to address serious questions — are we masters or slaves to the automobile?” While Americans consider the car to be “the ultimate freedom machine, we’re so dependent on the auto, we may be slaves to it,” he said. And Americans largely ignore the auto’s “incredibly bloody nature,” he said, noting the three to four car-related deaths reported each day in the local newspaper.

“We would put up with no other technology so destructive to human life,” he said. “If we had toasters that killed four people a day, we’d never stand for it.”

Heitmann also recently piloted another course, the Green History of the World, which will inspire the focus of the 2007 Humanities Symposium: The Humanities and the Environment. The humanities base course looked at issues of sustainability and the collapse of civilizations beginning with Mesopotamia and the Easter Islanders.

As chair, Heitmann said he is looking forward to partnering with faculty from other departments and to being a catalyst in work related to general education. He will also have the opportunity to assist in faculty development and to pursue his own research agenda.

“You get to define the job,” he said of his new position. “It’s boundless in terms of what you can do over the next four years. How many people get the chance to do that? What a great job.”

—Deborah McCarty Smith

Tom Egglemeier
Sharpening the focus on graduate education

Undergraduate enrollment is at approximately its intended size. Graduate programs, however, present the University with “opportunities for future growth, development and innovation,” in the words of F. Thomas Egglemeier, who this summer became dean of the Graduate School.

An indication of a sharpened focus on graduate education, he notes, was the separation of the positions of vice president for research and dean of the Graduate School. Thomas D. Skill, now associate provost and chief information officer, served two years as interim dean before Egglemeier came to the post.

Noting that graduate education strongly connects to a number of areas in the University’s Vision for Excellence, Egglemeier says he wants “to continue to strengthen the contributions of graduate education to the mission of the University.” Some key strategic areas he identifies for strengthened contributions include research and scholarship, the Catholic and Marianist identity of the University, regional relationships and service to society, leadership development, and multicultural and international learning.

In order to strengthen contributions to the University mission, Egglemeier says, “We will continue to have a mix of graduate programs, some aspiring to national prominence and others that focus on serving the region. The objectives, associated strengths, and contributions of each type of program tend to complement one another.”

In the area of new program development, he believes that interdisciplinary programs are the wave
Core connections

For new Core program director John Inglis, it's all about connections.

The Core curriculum connects courses that fulfill many of the University’s general education requirements. It connects professors from different departments who teach many of those courses together. It connects first-year Core students, who, for the first time, live together on the same floor in Marystown Complex; last year half lived in Marianist Hall.

The most important connections, though, happen when students learn.

“They’re able to get the bigger picture,” Inglis said. “Most students, they like those connections, to see that the economy actually relates to religion and philosophy. It makes it more meaningful.”

“We have students who were C or B students in high school,” he continued, “and here they fall in love with learning. After a semester or two they become A students. They feel they have been empowered.”

With all first-year Core students sharing living and learning spaces, opportunities develop to continue the program’s powerful effects. Inglis would like to hold evening activities in the residence hall to promote friendship and connect current affairs to classroom studies. The philosophy professor, who has taught Core classes since 1994, would also like to see more professors experiment in the classroom — or outside of it.

Spontaneous trips to Woodland Cemetery, a convenient study of 19th-century religious landscapes, or other nearby locations can be accommodated in some classes’ three-hour time blocks. Guests can be invited in, too, like a traditional Chinese music group to teach Eastern philosophy with its harmonies.

Core classes should, in other words, employ all the senses.

“I really believe in the program as an education that teaches the whole human being,” Inglis said. “I really like that any student can be part of that.”

Connecting the curriculum, whether it’s the French Revolution of the future and says that “UD, by reason of its Catholic, Marianist traditions is well-positioned to develop such programs.” With appropriate support, he expects new programs to emerge from academic areas in ways such as electro-optics, the Ph.D. in theology, financial mathematics, and mathematics education did in the past.

A role of the Graduate School, he says, is to work with the deans of the academic units to facilitate the development and support of programs that cross unit boundaries.

Eggemeier also expects the Graduate School to play a central and collaborative role with the academic units and UD in developing and supporting online graduate programming in selected areas. He notes that the University has already implemented a number of high quality online master’s programs, and indicates that “support for development of online programming that reflects the University commitment to academic excellence will represent a continued priority in the future.”

Other roles he sees are helping to enhance services for graduate students and helping to further develop the graduate student culture on campus. Graduate students, he says, are important not only in regard to their graduate programs but also as part of developing a synergy between graduate and undergraduate programs.

Because of the importance to graduate programs of a diverse pool of high quality students, Eggemeier also envisions continued close collaboration with the office of enrollment management and the academic units to support student recruitment.

He also believes the Graduate School must maintain strong relationships with the community so that UD understands the needs of the community and the community is aware the University’s programs.

Eggemeier, an alumnus of the University, served as an associate dean of the College of Arts and Sciences before becoming graduate dean. A professor of psychology, he also chaired that department for eight years.

—Thomas M. Columbus

noteworthy

Voices from the University of Dayton speak up for the voiceless in Children’s Human Rights: Progress and Challenges for Children Worldwide, a book released this summer and co-edited by Mark Ensalso, director of UD’s international studies and human rights program, and sociology professor Linda Majka.


Contributors include former UD president Brother Raymond Fitz, S.M.; sociology professor Theo Majka; political science professor Margaret Kans, who wrote a chapter examining the Convention’s implementation with recent UD graduate Jill Gerschutz; associate political science professor Jaro Bilcerekovycz; and assistant sociology professor Sister Laura Leming, FMI.

Human rights academics from Ireland, Canada and Nicaragua also wrote chapters.
Coming attractions

September ’05

Monday, Sept. 5
Labor Day — no classes

Thursday, Sept. 8
“A Conversation about Marianist Education”
Noon - 1:15 p.m., Kennedy Union ballroom. Facilitated by the Marianist Education Leadership Team. Lunch provided. To register, e-mail lora.bailey@notes.udayton.edu or call 229-3309.

Friday, Sept. 9
Faculty meeting
3 p.m., Boll Theatre
Reception following in the Torch Lounge.

Sunday, Sept. 11
Dayton Christian Jewish Dialogue
7:30 p.m., Alumni Hall 101
Brother Raymond L. Fitz, S.M., will speak on “Marianist Concepts and Work in Social Justice.”

Wednesday, Sept. 14
Celebration of Marianist founder Marie Therese de Lamourous
12:05 p.m. Mass, Immaculate Conception Chapel.

Wednesday, Sept. 21
Marianist Award
Presented to David O’Brien, 4:30 p.m., Sears Recital Hall.

Thursday, Sept. 22
Career Fair
11 a.m. - 3 p.m., Physical Activities Center.

Tuesday, Sept. 27-
Wednesday, Sept. 28
“Educating Ohio School Leaders for the 21st Century”
Conference sponsored by UD, University of Cincinnati and Wright State University, at the Crowne Plaza, Dayton. To register, call Mea Greenwood at 229-3557.

Arts Series inspires

From German prison camps to the Harlem Renaissance, the 2005-06 Arts Series will present a diversity of voices. All performances are at 8 p.m. Ticket prices are $14 for the public, $8 for faculty and staff, and $5 for students. Season tickets are available separately for both the Arts Series and the World Rhythms Series.

Performances include:
- Oliver Messiaen’s “Quartet for the End of Time” — Thursday, Oct. 6, Immaculate Conception Chapel. Artists from the Dayton Philharmonic Orchestra perform this work composed while Messiaen was interned in a German prison camp in 1940 and inspired by a passage in the “Book of Revelation.”
- Orfeon San Juan Bautista — Thursday, Oct. 20, Immaculate Conception Chapel. A capella choral ensemble offering music from Puerto Rico, Latin America, the Caribbean and Central and South America. Presented in cooperation with the Puerto Rican Culture Society of Dayton.
- DCDCII — Saturday, Feb. 11, Boll Theatre. An evening of dance showcasing contemporary works by established and emerging choreographers.

In collaboration with CITYFOLK, UD will again host the World Rhythms Series. All performances are at 8 p.m. in Boll Theatre.
- Konono No.1 — Sunday, Nov. 13. A 13-member band of musicians from Kinshasa who use percussion and homemade instruments salvaged from car parts and appliances to accompany three dancers and three singers.
- Huun Huur Tu (Throat Singers of Tuva) — Thursday, Feb. 2. Four musicians from a region between Siberia and Mongolia create music described as “jaw-dropping.”
- Cristina Branco — Wednesday, March 29. A soprano who has reintroduced Portuguese fado music in the new millennium.