Siren tests to help Purdue prepare for severe weather

Purdue will participate in a statewide tornado drill on March 5, said Ron Wright, director of Campus Emergency Preparedness. The National Weather Service, the Tippecanoe County Emergency Management Agency, and the Purdue-Indiana men’s basketball game will serve as a backdrop for the 10-minute video. The video, designed for tour groups, could address by itself, “problems that no individual or college could address by itself.”

Wright said the dual test gives people a chance to consider their response in daytime and evening locations. If that day has the threat of severe weather, the tests will be postponed.

Faculty, staff and students should review their severe weather response actions and make sure they have a plan, Wright said. “The National Weather Service, Red Cross and Ready.gov Web sites are just a few locations that one can go to for severe weather information,” he said. “All Purdue members should review this information and, most importantly, know their shelter in place locations.

Additionally, each Purdue building should have a Building Emergency Plan (BEF) that specifies evacuation and shelter in place procedures. This would be a perfect opportunity to review this critical information and prepare for the unexpected.”

Wright said the drill has three objectives. “First, it ensures the all-hazards sirens are operational,” he said. “Secondly, it allows the community to hear the siren sound. Third, it emphasizes awareness and the need to prepare.”

It is also important to note that the sirens can be activated for an incident other than a tornado warning. The sirens also can be activated for a hazardous materials emergency notification group and the West Lafayette police department, as well, “says Wright. “The escort service is available around campus, the academic campus, residences, the academic campus and the village business district.”

Some also take part in Safe Walk, a service to escort people safely to and from University residences, the academic campus and the village business district. The escort service is available at all times at 494-SAFE (494-7423). The positions pay $6.20 to $7 hourly, and the University will reallocate $40,000 by the fall to pay for the extra patrols.

Safety network being promoted after NIU events

President France A. Córdova, standing with her husband, Christian Foster, greets guests at the Cider Social, a University-wide event sponsored by the president to create face-to-face opportunities within the community. Foster is also program director for K-12 STEM education at Discovery Park. The social, which took place Feb. 14 in the South Ballroom, Purdue Memorial Union, also featured cookies and other refreshments in an informal reception atmosphere.


Video showcases Discovery Park

Purdue’s $375 million Discovery Park has produced a video outlining its emergence in just five years as a new paradigm for interdisciplinary research. Early in the video, Alan Rebar, the park’s executive director, says it has a real-world focus on “very broad-based problems that no individual academic unit or college could address by itself.”

The 10-minute video is designed for tour groups, marketing materials and promotional events. It discusses areas of research, the park’s centers and the emphasis on patenting and commercialization.

The video is viewable at http://news.uns.purdue.edu/Purdue’s YouTube channel at https://youtube.com/purdue or www.purdue.edu/dp (Find Overview link).

Memorial Union, also featured cookies and other refreshments in an informal reception atmosphere.

Cider and conversation

In the days after the fatal shootings at Northern Illinois University, Purdue officials are reminding the campus of the variety of safety measures offered.

President France A. Córdova, who sent a letter of condolence to the president of NIU, also issued a statement pointing out Purdue’s safety resources including communication and counseling.

Her statement is at https://news.uns.purdue.edu/a/2008/080219/Cordova/safety.html, and that page has links to resources. Córdova joined others in urging students, faculty and staff to register for emergency text messaging. So far, 11,333 people have signed up for the service, one of several layers in the Purdue Alert program that also includes sirens, e-mail, a Facebook emergency notification group and the Purdue home page.

To sign up for text messaging, go to www.purdue.edu/securitypurdue, click on “Change My Password,” enter your account name and password, and select the “Emergency Contact Information” link.

Córdova also noted that:

- Facts on many safety
- Student patrol to double in size by fall
- Purdue police, in response to a formal student request, will double its 25-member student safety patrol staff by next fall. The student patrol, which consists of specially selected and trained students, will increase to 50 by the end of this semester and to 50 in the fall.
- Purdue Student Government also has suggested that we expand the area served by the patrol further into the West Lafayette community, and we are exploring that possibility with the West Lafayette Police Department, as well,” says Carol Shelby, senior director of environment, health and safety.

The patrol offers evening security escorts around campus programs are at www.purdue.edu/police.

- Various counseling services, for students and employees, are listed at www.purdue.edu/Purdue/wellness.

HR writing parental leave policy

July expected in March

Human Resource Services will craft the provisions of a parental leave policy for Purdue. President France A. Cordova has given the charge to HRS, which expects to have a policy drafted and ready to share with advisory groups in March. The final policy should be ready by July 1, says John Beelke, director of Human Resource Services.

Sick leave benefits will not be addressed at this time. “We anticipate looking at all leave issues as a part of our benefits benchmarking with other institutions,” Beelke says.

Parental leave has been a topic of discussion on campus in recent months. In November, the University Senate and the Administrative and Professional Advisory Committee separately expressed support for a paid parental leave policy for all University employees.

Córdova’s alumni chat available for online viewing

President France A. Córdova and Purdue Alumni Association CEO Kirk Cerny hosted an online alumni party during halftime of the Purdue-Indiana men’s basketball game on Feb. 19. Those who missed the live event and would like to see it, or who would like to submit questions to the president, can do so at the President’s Website: www.purdue.edu/president.

A button on the left side of the page, “Alumni Party,” goes to the online video of the event and a form with which to submit questions. Questions will be taken until Feb. 29 at the site.

Also at the site is a list of ans- swers to questions that have been asked of the president.
Global technology company to open software center in Purdue Research Park

Gov. Mitch Daniels joined executives from global technology giant EDS and officials from Purdue Research Park on Thursday (Feb. 21) to announce the company’s plans to locate its national software solution center in West Lafayette, creating more than 200 software engineer and business analyst positions by 2010.

The technology developer has committed to create up to 13,000 square feet in an office building in the research park and has hired more than a dozen professionals. Park officials said a new 78,000-square-foot structure, called Innovate, will be constructed. EDS will occupy 45,000 square feet of the new facility, which is slated to open in early 2009.

“It’s another win for the Indiana economy and for one of our hottest growth engines, the region anchored by the Purdue campus. It’s appropriate to see a software engineer or programmer in Indiana; jobs are waiting, and here come people like Daniels said. EDS, which employs more than 1,000 professionals in Indiana, is focusing on technology solutions for its commercial and government health care clients around the world at the new center.

The company is hiring software engineers and business analysts with backgrounds in computer science, business management or management information systems to staff the new center. "EDS and our employees have been a part of the business and social fabric of Indiana since opening commercial and government customers around the world for more than 23 years," said Andy McCann, EDS vice president. "We are delighted to be here in Indiana. We like the skills and high motivation of the employees we’ve been able to hire here. And we like the overall business climate."

Joseph Hornett, senior vice president, treasurer and COO of the Purdue Research Foundation, said providing additional amenities is important in recruiting new and expanding companies to the state.

"EDS is part of our strategic mission to bring more and better jobs to the state, and we work in collaboration with state and local officials to support economic development across the state," Hornett said.

"An important component of that effort includes providing the necessary facilities for prospective companies and the quality-of-life extra that helps companies attract and keep quality employees."

"Our collaboration among the university, the parks, the university, and state and local governments has created more than 3,000 jobs and set the stage for many more as a part of a pipeline of innovation that runs along I-65 from one end of the state to the other."

The Indiana Economic Development Corporation offered EDS up to $1.5 million in grants based on the company’s expansion plans. The city of West Lafayette provided $1.5 million more in additional incentives to bring the company to the area.

For more information, applicants should contact Julie Cornelius at (317) 488-5101 or julie.cornelius@eds.com.

IPFW project, environmental mandates draw attention

As the legislative session winds down, this week is narrowing.

This week, the Senate unveiled its version of House Bill 1001, the property tax reform bill. The core of the bill hasn’t changed much from Gov. Mitch Daniels’ original proposal, but the Senate did make a few changes with respect to how local governments can operate.

We have several weeks left in the session, and I expect the leadership at the House, the Senate, and the administration to begin hammering out the final proposal,” says Kevin Green, Purdue’s director of state relations. "This has been the most important issue of the session. It’s time for the real negotiating to begin.

Included in the Senate version is language that’s important to Indiana-Purdue University, Fort Wayne. In the budget bill passed last year, a capital project for IPFW, the Student Services and Library Complex, was approved.

However, the specific wording in the bill is out a key component, Green says. The state bonding authority was included, but the authority to bond using student fees was unintentionally left out, which has delayed the project.

Corrective language to complete the funding package was addressed by Sen. Robert Meeks, R-LaGrange, and to Senate Bill 19 by Rep. Win Jones, D-Fort Wayne. "We’ve been looking for a home for this correction all session," Green says. "Our goal is to ensure this language passes all the way through so we can begin planning the Student Services and Library Complex at IPFW."

The state is providing $24 million toward the $40 million project. IPFW will contribute $16 million in state and student fees. Also of interest to Purdue is House Bill 1280, which would require that university buildings be constructed to Leadership in Energy and Environmental Design (LEED) standards.

"If we’re able to find a way to support the goal of green building with additional administrative and requirements, and we’ve done so already voluntarily," Green says.

The bill was amended in the Senate committee and is now also calling for a study. HB 1246 deals with dual-certiﬁcate programs that also qualify for college credit. The original bill would have expanded the current dual-certiﬁcate offerings to ﬁve courses statewide. The universia have been working with the author, Rep. Terri Austin, D-Ann, to ensure that all parties were aligned on the goal of giving students access to college courses, Green says.

Purdue University to boost presence at business expo

Purdue is enhancing its presence at the Lafayette-West Lafayette 2008 Chamber Business Expo, which will take place Feb. 27 at University Plaza Hotel. "Different areas of the University will be represented at this event," said Mike Piggott, director of community relations and visitor information. "The idea is to get everybody together in one booth and make a big presence."

The Purdue booth will include community relations, Purdue Memorial Union, Information Technology, WABAI Radio, Information Technology at Purdue, Purdue Research Park, Diversity Training and service learning and conferences.

Several Purdue officials will be on hand to meet the public at the event, which includes exhibitor booths and workshops and is from 11 a.m. to 7 p.m.

The Purdue ofﬁcials will include: 11 a.m.: Morgan R. Olsen, executive vice president and treasurer, and Leroy Keyes, former Purdue football player; Noon: Richard Stenbring, professor and director of the Center for Customer Driven Quality; 1 p.m.: Joseph Bennett, vice president for university relations; 2 p.m.: Morgan Burke, director of Intercollegiate Athletics; 3 p.m.: Richard Cosier, Krannert School dean and Leeds Professor of Management; 4 p.m.: Mary Blackwell, senior vice president for advancement; and 5 p.m.: Jay Akridge, interim vice provost for engagement. Purdue representatives also will present two workshops at the expo. Feinberg will lead one titled "Develop Your Inner Leader" at 2:25 p.m. At 3:45 p.m., Beth Forbes, news and public affairs coordinator for agricultural communications, and Jane Anderson, program director of the College of Agriculture, will present "Develop Effective Networking."

All workshops are one hour in length and are by reservation only. To register, call (765) 742-4941 or e-mail Kstewart@lwldc.org.

University Plaza Hotel is at 5001 Northwestern Ave. in West Lafayette.

Partner benefit policy accounts for marital options

In this feature, Staff Benefits at Human Resource Services responds to questions and comments that came from those submitted online at www.purdue.edu/benefits.

Question: Why don’t we offer opposite-sex domestic partners get benefits, the same as same-sex domestic partners? This is serious discrimination. I don’t believe that marriage is as meaningful to people today, and it should not be limited to just love

Answer: Our current policy is that we only cover spouses. Because same-sex domestic partners cannot legally be married in Indiana, Purdue has an accommodation to allow them to have coverage.

However, if opposite-sex domestic partnerships become more commonplace, Purdue will need to reconsider.

—Answer provided by Brett Bowditch, assistant director at Human Resource Services.

Green Globes energy and environmental standards. HB 1280 cleared chamber committee.

Green says there are concerns regarding the mandates calls a godsend if it was available. I am However, if opposite-sex domestic partners get benefits, the same as same-sex domestic partners? This is serious discrimination. I don’t believe that marriage is as meaningful to people today, and it should not be limited to just love. However, if opposite-sex domestic partnerships become more commonplace, Purdue will need to reconsider.

—Answer provided by Brett Bowditch, assistant director at Human Resource Services.

Green Globes energy and environmental standards. HB 1280 cleared chamber committee.

Green says there are concerns regarding the mandates calls a godsend if it was available. I am
Peace Corps alumna encourages students to follow the same path

Christopher Klein, publications and communications coordinator for the Office of Programs for Study Abroad, had never traveled outside North America before becoming a member of the Peace Corps in 1989.

Klein uses the knowledge and experience gained during his two-year assignment in Sierra Leone to encourage Purdue students to become Peace Corps volunteers—a commitment that many university faculty and staff agree prior to March 9 that the Peace Corps is already at work in 100 different countries. Purdue, which is included in the top 25 Peace Corps volunteer-producing colleges and universities, has more than 250 programs in more than 250 countries. More than 1,300 Purdue students study abroad each year.

Klein says the experience will prompt some to look for a second travel opportunity, which could come in the form of Peace Corps service after graduation.

"Students have many things to offer the Peace Corps," Klein says. "The University has a very strong study abroad program, and the Peace Corps needs people who can teach basic science or engineering. Purdue also excels in agriculture and small business development. It's a pretty good fit."

Start of daylight-saving time affects clocks, work shifts

Daylight-saving time begins March 9 this year, meaning campus clocks will have to “spring forward” the weekend of March 9-10.

Individual departments are reminded that they are responsible for changing clocks in their offices, laboratories and departmental spaces. Zone maintenance staff will ensure that public-area clocks and outdoor clocks are correct.

In addition to changing clocks, the University has determined that employees must be paid for actual hours worked during the shift. Employees may request to flex their schedules by coming in an hour early or staying an hour late either on the day the change goes into effect or on another day during the same workweek. Or, supervisors and employees may mutually agree prior to March 9 that the employee may be allowed to use paid vacation leave to cover the missing hour.

Supervisors and employees are encouraged to work together to meet both business and employee needs.

Questions should go to:

■ Human Resources Services employment and compensation: 86-4895

■ Housing and Food Services human resources team: 49-49418.

■ Physical Facilities human resources team: 49-41421.

■ Purdue Calumet Human Resources Department: (219) 989-2254.

■ IPFW Human Resources Department: (260) 481-6677.

■ Purdue North Central Human Resources Department: (219) 785-5300.

Tests — Review response plan

Continued from page 1

A release, a civil disturbance such as an active shooter on campus, or when police/fire department of the Office of Programs for Study Abroad. The recruitment efforts come at a time when the number of students going abroad is on the rise. Klein sees many students seeking international experience for professional and career benefits, as well as to take part in service learning opportunities.

"For a lot of the students who come into the recruitment office, their only previous international travel has been linked to some sort of service trip in high school," Klein says. "It's good to see that the same kind of idealism that motivates people to enter the Peace Corps is already at work in teenagers."

About 1,500 Purdue undergraduates will participate in a study abroad program next year.

Study abroad sign-up deadline is March 1

Faculty and staff are encouraged to meet with students by March 1 that is the deadline to apply for the majority of the University’s summer and fall programs abroad.

The required application materials include completed applications, and students probably will be asking for these as the deadline approaches.

Purdue’s Office of Programs for Study Abroad has more than 250 programs in 50 countries. More than 1,300 Purdue students study abroad each year. Students can learn more by contacting the office at 49-42386 or at www.studyabroad.purdue.edu.

Christopher Klein is glad to see increasing numbers of Purdue students entering the Peace Corps as he did and expanding their view of the world. Klein helps people learn about their choices in his work in the Office of Programs for Study Abroad.

S. Martin Jischke Drive.

Tom Cooper, fire safety specialist at Purdue, will instruct students, faculty and staff on tornado awareness, the recommended response actions and what to do after a tornado. Those interested in attending a session should contact Mary Stair at 49-41424.

Cooper also is available to speak about tornado safety at a campus office or department. For more information, contact him at 49-41432 or tncoop@purdue.edu.

Senate refers grade adjustment to committee

The Senate voted 40 to 26 on Feb. 18 to refer a proposal that would eliminate any grade adjustment that need to be taken into account, "he said.

In debating the motion, the senators disagreed on whether referring the proposal to the EPC would help to resolve the issue.

Scott Feld, professor of sociology, said the move would delay action and fail to yield any new options.

"It's important that we make this decision now, especially with the new computer system going into effect and because there might actually be consequences of abolishing grade adjustment that need to be taken into account," he said.

Raymond DeCarlo, Senate vice-chair, said that in recent weeks he has seen tremendous movement toward compromise that should be considered.

"I believe there is a strong effort to move a proposal that will be more widely accepted," said DeCarlo, professor of electrical and computer engineering.

The Senate did not officially create a timeline for the EPC, but Senate chair George Bodner said he thinks that all parties involved want the issue to be resolved before the end of the academic year.

The Senate has two meetings left before the end of the semes- ter. Bodner said the Steering Committee also considered scheduling a special meeting to discuss the grade adjustment proposal.

In other business, the Sen- ate approved changes to the Uni- versity’s evening exam schedule. Under the revised policy, the earliest evening exam will be at 6 p.m., and no exam will run later than 10 p.m.

Senate reports

Morris Levy, chair of the University Resources Policy Committee, presented two reports to the Senate.

Levy discussed the termina- tion of dial-up modem services provided by ITaP in its first report. Through its discussions with ITaP, the URPC found that the modem equipment is antiquated and inefficient, used by few people. The committee would recommend $125,000 to replace along with $83,000 annually for operating costs.

Levy said the URPC agreed with the decision to terminate dial-up modern services, but concluded that the cessation should be delayed until the campus has been broadly noti- fied of the change and alternate commercial services. The service will be phased out by July 1.

The second report involved the URPC’s investigation into a petition from 95 faculty in the College of Agriculture about problems obtaining construc- tion and renovation services from physical facilities. Levy said that a preliminary inves- tigation determined that poor communication between administrative units and Physi- cal Facilities as well as ambiguous reports from physical facilities to physical facilities were responsible for declining customer satisfaction.

Levy reported that focus group meetings with all of Physical Facilities customers and feedback meetings with deans and department heads will identify needs and expectations for construction and renovation. Physical Facilities will use the information to provide a report to the URPC that discusses policy clarifications and changes as well as establishes a set of meeting goals for evaluating customer satisfaction.

Levy also thanked ITaP and Physical Facilities for their coop- erative efforts in both cases.

Vice chair nominations

The Senate also heard from Natalie Carroll, chair of the Nomination and Procedures Committee, about nominations for the vice chair of the Senate for 2008-09. The nominees for the position are Patrick Robinson, professor of cytometrics, and Howard Zelaznik, professor of health and kinesiology.

The vote will be held at the March 17 meeting.

Students who come into the recruitment office, their only previous international travel has been linked to some sort of service trip in high school," Klein says. "It’s good to see that the same kind of idealism that motivates people to enter the Peace Corps is already at work in teenagers."

About 1,500 Purdue undergraduates will participate in a study abroad program next year.

Klein says the experience will prompt some to look for a second travel opportunity, which could come in the form of Peace Corps service after graduation.

"Students have many things to offer the Peace Corps," Klein says. "The University has a very strong study abroad program, and the Peace Corps needs people who can teach basic science or engineering. Purdue also excels in agriculture and small business development. It’s a pretty good fit."

Start of daylight-saving time begins March 9 this year, meaning cam- pus clocks will have to “spring forward” the weekend of March 9-10.

Individual departments are reminded that they are responsible for changing clocks in their offices, laboratories and departmental spaces. Zone maintenance staff will ensure that public-area clocks and outdoor clocks are correct.

In addition to changing clocks, the University has determined that employees must be paid for actual hours worked during the shift. Employees may request to flex their schedules by coming in an hour early or staying an hour late either on the day the change goes into effect or on another day during the same workweek. Or, supervisors and employees may mutually agree prior to March 9 that the employee may be allowed to use paid vacation leave to cover the missing hour.

Supervisors and employees are encouraged to work together to meet both business and employee needs.

Questions should go to:

■ Human Resources Services employment and compensation: 86-4895

■ Housing and Food Services human resources team: 49-49418.

■ Physical Facilities human resources team: 49-41421.

■ Purdue Calumet Human Resources Department: (219) 989-2254.

■ IPFW Human Resources Department: (260) 481-6677.

■ Purdue North Central Human Resources Department: (219) 785-5300.

Tests — Review response plan

Continued from page 1

A release, a civil disturbance such as an active shooter on campus, or when police/fire department of the Office of Programs for Study Abroad. The recruitment efforts come at a time when the number of students going abroad is on the rise. Klein sees many students seeking international experience for professional and career benefits, as well as to take part in service learning opportunities.

"For a lot of the students who come into the recruitment office, their only previous international travel has been linked to some sort of service trip in high school," Klein says. "It’s good to see that the same kind of idealism that motivates people to enter the Peace Corps is already at work in teenagers."

About 1,500 Purdue undergraduates will participate in a study abroad program next year.

Study abroad sign-up deadline is March 1

Faculty and staff are encouraged to meet with students by March 1 that is the deadline to apply for the majority of the University’s summer and fall programs abroad.

The required application materials include completed applications, and students probably will be asking for these as the deadline approaches.

Purdue’s Office of Programs for Study Abroad has more than 250 programs in 50 countries. More than 1,300 Purdue students study abroad each year. Students can learn more by contacting the office at 49-42386 or at www.studyabroad.purdue.edu.

Christopher Klein is glad to see increasing numbers of Purdue students entering the Peace Corps as he did and expanding their view of the world. Klein helps people learn about their choices in his work in the Office of Programs for Study Abroad.

S. Martin Jischke Drive.

Tom Cooper, fire safety specialist at Purdue, will instruct students, faculty and staff on tornado awareness, the recommended response actions and what to do after a tornado. Those interested in attending a session should contact Mary Stair at 49-41424.

Cooper also is available to speak about tornado safety at a campus office or department. For more information, contact him at 49-41432 or tncoop@purdue.edu.
Two early childhood centers run by Purdue are among an elite group of providers to be accredited under stricter guidelines from the National Association for the Education of Young Children (NAEYC). The Child Development Lab School and the Miller Child Learning Center at Purdue are among an elite group of providers to be accredited under stricter guidelines from the National Association for the Education of Young Children (NAEYC). This gift from a Purdue alumnus, Rick Kosdrosky, said, “It’s been my pleasure to try to make this gift to the university to the kids who recognize how vital child development is.” Kosdrosky, the software engineer on the F-16 software team at the Bechtel Group Inc. of San Francisco, said, “The eighth annual reception for the Club of Techies, which received a Faculty Fellowship for Study in a Second Discipline for the fall 2008 semester. . . . Gary Bertoline, Nathan Hartman and Bill Ross, all faculty members in computer graphics technology, are authors of the fourth edition of “Technical Graphics Communication.” The exhibition, which runs through May 21 this year by McGraw Hill, Bertoline also is assistant dean for graduate study in the College of Technology and professor of computer and information technology. . . . John Garver, faculty manager at Bick Nanotechnology Center in Discovery Park, has been named a Fellow of the Institute of Electrical and Electronic Engineers. . . . Nicholas Oyler will be the new regional director of development for Indianapolis effective March 1, having served as associate regional director for the College of Liberal Arts; Laura Glitz, women’s tennis head coach; Veronica Hirsch, director of the Native American Educational and Cultural Center; Dorothy Reed, assistant provost; and Pamella Shaw, assistant provost. . . . Notables . . . Mortar Board chapter recognizes six women Six women faculty and administrators were recognized Thursday by Mortar Board as distinguishing themselves in new positions at Purdue. . . . Some have come to Purdue recently; others have retained their current positions at Purdue. . . . The eighth annual reception for the Club of Techies, which received a Faculty Fellowship for Study in a Second Discipline for the fall 2008 semester. . . . Gary Bertoline, Nathan Hartman and Bill Ross, all faculty members in computer graphics technology, are authors of the fourth edition of “Technical Graphics Communication.” The exhibition, which runs through May 21 this year by McGraw Hill, Bertoline also is assistant dean for graduate study in the College of Technology and professor of computer and information technology. . . . John Garver, faculty manager at Bick Nanotechnology Center in Discovery Park, has been named a Fellow of the Institute of Electrical and Electronic Engineers. . . . Nicholas Oyler will be the new regional director of development for Indianapolis effective March 1, having served as associate regional director for the College of Liberal Arts; Laura Glitz, women’s tennis head coach; Veronica Hirsch, director of the Native American Educational and Cultural Center; Dorothy Reed, assistant provost; and Pamella Shaw, assistant provost. . . . Appointments . . .
Discoveries

Pig viruses’ deadly turn analyzed

A pig virus that exists worldwide has become more dangerous as the virus has mutated and then colonized the brains of young pigs in 1991 and then began mutating into more deadly forms.

Evidence from research being conducted at the Indiana Animal Disease Diagnostic Laboratory on the campus has indicated that the most recent mutation of a group of viruses called “porcine circoviruses” can cause widespread acute disease. Other pathogens can combine with the virus to increase the fatality rate significantly.

“Our goal is to help the hog industry by understanding porcine circoviruses better,” says Romans Pogranichniy, virologist in the School of Veterinary Medicine and an ADDL scientist.

In the ongoing study to determine how the mutated form of porcine circoviruses — abbreviated PCV2-1a — causes more deadly illness, the scientists have studied pigs exposed to a virus combination. The viruses, PCV2 and bovine viral diarrhea virus, came from pigs that had developed the diseases on the farm.

“We think that the new co-factors, including bovine viral diarrhea virus-like pathogen and other swine viruses, work together with porcine circovirus to attack the animals’ systems and become more virulent,” Pogranichniy says.

Studying virus-caused lesions and blood of PCV2-infected pigs provided some indications of how the virus enters the animals’ cells, the scientists say.

During the past decade, porcine circoviruses have spread to almost every area of the world where hogs are raised, but the mortality rate per herd is usually low. On farms infected with other viruses in addition to the new form of porcine circovirus disease, however, the mortality rate rose to 35 percent to 50 percent.

Pig circoviruses do not infect people. Three commercial vaccines against PCV2 are available in the U.S. market. It was reported that a recently developed vaccine against PCV2 will reduce mortality.

34 years of tracking

Scientists first identified one type of porcine circovirus in 1974 in Europe.

In 1991 a disease appeared in 6- to 11-week-old nursery-age pigs in which they lost weight, developed lesions on their organs and often had respiratory problems, diarrhea and jaundice. The disease was called post-weaning multi-systemic wasting syndrome.

Porcine circovirus type 2 (PCV2), identified in 1996, causes lesions in the lymph tissues, kidney, liver and lungs. A more deadly form of post-weaning disease, now found also in older pigs, contributes to problems including abortion, fluid buildup and systemic infection.

The School of Veterinary Medicine, College of Agriculture and National Pork Board have provided funding for the research.

Collaborators on this research included Steve Lenz, Purdue veterinary pathologist and ADDL researcher; Gregory Stevenson, formerly a Purdue and lab research and pathologist; Ingeborg Lanzhof and Huiling Wei, both Purdue veterinary compara-tive pathology graduate students; and Eric Nelson, a South Dakota State University virologist.

Alloy switch aids goal of hydrogen fuel

Purdue engineers seeking practi-cal energy sources have taken a key step with a new aluminum-rich alloy that produces hydrogen by splitting water.

“We now have an economically viable process for producing hydrogen on demand for vehicles, electrical generating stations and other applications,” says Jerry Woodall, distinguished profes-sor of electrical and computer engineer, who invented the process.

The new alloy contains 95 percent aluminum and 5 percent of an alloy that is made of the metals gallium, indium and tin. Because of the new alloy’s significantly less than the more expensive gallium than previous forms of the alloy, the goal can be produced less expensively, he said.

When immersed in water, the alloy splits water molecules into hydrogen and oxygen, which immediately reacts with the gallium to form aluminum oxide, which can be recycled back into aluminum.

“After recycling both the alumi-num oxide back to aluminum and the inert gallium-boron-tin alloy only 60 times, the cost of producing energy both as hydro-gen and heat using the new alloy would be reduced to 10 cents per kilowatt hour, making it competi-tive with other energy technolo-gies,” Woodall said.

The researchers were to present findings about the new alloy today [Feb. 26] at the confer-ence Materials Innovations in an Emerging Hydrogen Economy in Cocoa Beach, Fla.

The process eliminates the need for costly or expensive sup-ply of hydrogen, the major criticism often raised about its potential.

However, an infrastructure for recycling alumina and handling other components would be needed.

Researchers had to resolve a difficulty with the effects of cool-ing the alloy at different speeds, which could result in the inert gallium-indium-tin alloy remaining-plastic at slow cooling.

Slow cooling allowed both parts to form a two-phase solid alloy, which enabled the water re-action to use all of the aluminum.

“That was a fantastic discov-ery,” Woodall said. “What used to be a curiosity is now a real alternative energy technology.”

The research is partially fund-ed by Purdue’s Energy Center at Discovery Park.

Researchers developed the new alloy in late 2007 and are re-porting about it for the first time during the conference.

The Purdue Research Foun-dation holds title to the primary patent, which has been licensed with the U.S. Patent and Trademark Office and is pending. An Indiana startup company, Altaco LLC., has received a license for the exclusive right to commercialize the process.

Purdue participating in $50 million NSF IP Plant Collaborative

The National Science Foundation has awarded $50 million to a network of universities including Purdue to create a global center and computer cyberinfrastructure to address the grand challenges of plant biology.

The project, called the iPlant Collaborative, is the first time unit plant scientists, computer scientists and information scientists from around the world to provide answers to questions of global importance such as food supply and climate change.

Rebecca Doerge, professor of statistics and agronomy, says the five-year iPlant initiative covers everything from basic science to challenges facing the world.

The purpose of iPlant is to unite plant sciences on a global level to attack big issues, as well as to advance the fundamental science of plant work,” says Doerge, who also is director of Purdue’s Statistical Bioinformat-ics Center and Purdue’s lead investigator for this collaboration.

“Purdue was chosen because of our exceptional group of sta-tistical bioinformaticians who have focused on plant science. Statisticians will play a key role in the success of this initiative by helping to design effective experi-ments and analyze the data.”

The goal is to develop a network of statisticians and to grow STATCOM at universities participating in this grand chal-lenges, “ Doerge says.

In April, the first iPlant collaborative conference will be held at Cold Spring Harbor Labora-tory in New York, Arizona State University and the University of North Carolina at Wilmington.

Purdue will contribute to iPlant’s educational goals through STATCOM, a free statistical con-sulting service founded by Purdue and run by graduate students. It has taken root at universities worldwide.

“The first goal is to develop a network of statisticians and to grow STATCOM at universities participating in this grand challenge,” Doerge says.

Language-sound research shows roles for many parts of brain

More of the brain is busy process-ing pitch from language and other sounds than previously thought, says a Purdue researcher in neuro-pathology.

“By studying brain activity at different stages of processing pitch in the auditory and language areas, we have found that early activ-ity in the brainstem is shaped by a person’s musical experi-ence, even while the person is asleep, and consequently, we now believe that language experience, role in speech perception than we thought before,” says Jackson Gaudour, professor of linguistics.

Gaudour presented results from several of his pitch pro-cessing studies at the Feb. 16 “Brain Basis of Speech” session at the American Association for Advancement of Science’s annual meeting.

“Everyone has a brainstem, but it’s tuned differently depend-ing on what sounds are behav-iourally relevant to a person, for example, the sounds of his or her mother tongue,” Gaudour says.

Gaudour collaborated with Purdue auditory electrophysio-logist Ananthanarayan Ravi Krish-nan on the brainstem studies.

“Never did I expect we would find that language experience would shape the way the brainstem works,” Gaudour said. “The idea is that this sensory signal un-dergoes a set of transformations that are far more complicated than we originally thought. I feel like we have broken new ground in that we have just begun to go down a new avenue of research.”

Gaudour also collaborated with Purdue biomedical engineer Thomas Talavage as well as colleagues at the Indiana University School of Medicine to apply the functional brain imaging tech-niques positron emission tomog-ra phy (PET) and functional mag-netic resonance imaging (fMRI) to display blood flow activity at the level of the cerebral cortex.

These data reveal that melody of speech is processed in neither a single region nor a specific hemi-sphere, but engages multiple areas of the brain in an interplay that occurs in the left and right hemispheres. Ravi Krishnan, a post-doctoral fellow in the lab at Discovery Park, funded the research.

“By studying brain activity at different stages of processing pitch in the auditory and language areas, we have found that early activity in the brainstem is shaped by a person’s musical experience, even while the person is asleep, and consequently, we now believe that language experience, role in speech perception than we thought before,” says Jackson Gaudour, professor of linguistics.
**Notables**

**Medical Colleges.**

Association of American Veterinary Distinguished Teacher Award from the School of Veterinary Medicine, received small animal surgery in the School of Veterinary Medicine, received academic affairs and professor of Salisbury Averill, Purdue Memorial Union; Julia Calvillo, field extension educators; Susan Gauger, agricultural and biological engineering; Dale Lester, buildings and grounds; Linda Lappin, dean of students office; Kathleen Lester, agricultural communication service; Kristine Mihalic, history/political science, Calumet; William Morris, heating and power; Tracie Pattengale, building services; Brenda Russell, veterinary medicine administration; Hacene Smaine, Purdue Memorial Union; Ronald Voel, building services, Fort Wayne.

**15 years:** Cathy Barker, financial aid; Shelby Bunch, Cary Quadrangle; Sharon Fisher, student services, North Central; Donald J. Sigan, materials management and distribution.

**10 years:** Tonda Aveline, Purdue Memorial Union; Julia Calvillo, field extension educators; Susan Gauger, agricultural and biological engineering; Dale Lester, buildings and grounds; Linda Lappin, dean of students office; Kathleen Lester, agricultural communication service; Kristine Mihalic, history/political science, Calumet; William Morris, heating and power; Tracie Pattengale, building services; Brenda Russell, veterinary medicine administration; Hacene Smaine, Purdue Memorial Union; Ronald Voel, building services, Fort Wayne.

**9 years:** Christopher Beswick, financial aid; Linda Bunch, student services, North Central; Donald J. Sigan, materials management and distribution.

**8 years:** Tonda Aveline, Purdue Memorial Union; Julia Calvillo, field extension educators; Susan Gauger, agricultural and biological engineering; Dale Lester, buildings and grounds; Linda Lappin, dean of students office; Kathleen Lester, agricultural communication service; Kristine Mihalic, history/political science, Calumet; William Morris, heating and power; Tracie Pattengale, building services; Brenda Russell, veterinary medicine administration; Hacene Smaine, Purdue Memorial Union; Ronald Voel, building services, Fort Wayne.

**7 years:** Christopher Beswick, financial aid; Linda Bunch, student services, North Central; Donald J. Sigan, materials management and distribution.

**6 years:** Tonda Aveline, Purdue Memorial Union; Julia Calvillo, field extension educators; Susan Gauger, agricultural and biological engineering; Dale Lester, buildings and grounds; Linda Lappin, dean of students office; Kathleen Lester, agricultural communication service; Kristine Mihalic, history/political science, Calumet; William Morris, heating and power; Tracie Pattengale, building services; Brenda Russell, veterinary medicine administration; Hacene Smaine, Purdue Memorial Union; Ronald Voel, building services, Fort Wayne.

**5 years:** Christopher Beswick, financial aid; Linda Bunch, student services, North Central; Donald J. Sigan, materials management and distribution.

**4 years:** Tonda Aveline, Purdue Memorial Union; Julia Calvillo, field extension educators; Susan Gauger, agricultural and biological engineering; Dale Lester, buildings and grounds; Linda Lappin, dean of students office; Kathleen Lester, agricultural communication service; Kristine Mihalic, history/political science, Calumet; William Morris, heating and power; Tracie Pattengale, building services; Brenda Russell, veterinary medicine administration; Hacene Smaine, Purdue Memorial Union; Ronald Voel, building services, Fort Wayne.

**3 years:** Christopher Beswick, financial aid; Linda Bunch, student services, North Central; Donald J. Sigan, materials management and distribution.

**2 years:** Tonda Aveline, Purdue Memorial Union; Julia Calvillo, field extension educators; Susan Gauger, agricultural and biological engineering; Dale Lester, buildings and grounds; Linda Lappin, dean of students office; Kathleen Lester, agricultural communication service; Kristine Mihalic, history/political science, Calumet; William Morris, heating and power; Tracie Pattengale, building services; Brenda Russell, veterinary medicine administration; Hacene Smaine, Purdue Memorial Union; Ronald Voel, building services, Fort Wayne.

**1 year:** Christopher Beswick, financial aid; Linda Bunch, student services, North Central; Donald J. Sigan, materials management and distribution.

**30 years:** Cyndy Anderson, art administration; Lisa Geisler, accounting services; Donald Land, Cary Quadrangle; Rafael Sanchez, building services, Calumet; Christine Smith, libraries, Fort Wayne; Scott Wilkinson, safety equipment; Brenda Russell, veterinary medicine administration; Hacene Smaine, Purdue Memorial Union; Ronald Voel, building services, Fort Wayne.

**25 years:** Cathy Barker, financial aid; Shelby Bunch, Cary Quadrangle; Sharon Fisher, student services, North Central; Donald J. Sigan, materials management and distribution.

**20 years:** Deborah Baker, bursar’s office; Beth Dye, liberal arts administration; Lisa Geisler, accounting services; Donald Land, Cary Quadrangle; Rafael Sanchez, building services, Calumet; Christine Smith, libraries, Fort Wayne; Scott Wilkinson, safety equipment; Brenda Russell, veterinary medicine administration; Hacene Smaine, Purdue Memorial Union; Ronald Voel, building services, Fort Wayne.

**15 years:** Cathy Barker, financial aid; Shelby Bunch, Cary Quadrangle; Sharon Fisher, student services, North Central; Donald J. Sigan, materials management and distribution.

**10 years:** Tonda Aveline, Purdue Memorial Union; Julia Calvillo, field extension educators; Susan Gauger, agricultural and biological engineering; Dale Lester, buildings and grounds; Linda Lappin, dean of students office; Kathleen Lester, agricultural communication service; Kristine Mihalic, history/political science, Calumet; William Morris, heating and power; Tracie Pattengale, building services; Brenda Russell, veterinary medicine administration; Hacene Smaine, Purdue Memorial Union; Ronald Voel, building services, Fort Wayne.

**5 years:** Christopher Beswick, financial aid; Linda Bunch, student services, North Central; Donald J. Sigan, materials management and distribution.

**3 years:** Christopher Beswick, financial aid; Linda Bunch, student services, North Central; Donald J. Sigan, materials management and distribution.

**1 year:** Christopher Beswick, financial aid; Linda Bunch, student services, North Central; Donald J. Sigan, materials management and distribution.
Two academic advisors who bring a lifetime of experience and expertise to their work were honored by their peers Feb. 12.

Melissa Pedersen and William Soodek received annual awards from the Purdue Academic Advising Association.

The chair of Purdue’s award committee, Barbara Soodek, noted that the advisors’ names were added to a plaque in the Office of the Dean of Students. Soodek also introduced the presenters, who by tradition are the previous year’s winners.

Outstanding Advisor: LeeAnn Williams, Williams, Good Pizza and Dough. A photo by Mark Simons (left) with image number of 7469. Prices are given for single-show admission: $14-$10. Additional events are offered for single-show attendance on certain dates.

One student wrote of how “William’s knowledge, passion and professionalism” and the dean of students. Soodek also introduced the presenters, who by tradition are the previous year’s winners.

Outstanding Advisor: LeeAnn Williams, Williams, Good Pizza and Dough. A photo by Mark Simons (left) with image number 7469. Prices are given for single-show admission: $14-$10. Additional events are offered for single-show attendance on certain dates.

Disability Awareness Month.
**TLT Conference keynote to focus on assessment**

Opening the Teaching and Learning with Technology Conference on Tuesday, March 4, is assessment planning expert Gloria M. Rogers. Rogers is associate executive director of professional services at ABET Inc., the international accreditation agency for educational programs in applied science, computing, engineering and technology. She will speak to educators, educational technologists, and IT professionals from the Midwest about “Using Technology to Facilitate the Assessment of Student Learning: Are We Asking the Right Questions?”

“We sought out Dr. Rogers because she is an expert in assessment planning and all the latest methods of assessment — surveys, electronic portfolios, and rubrics,” says Nancy Wilson Head, director of TLT’s Instructional Development Center and conference co-chair. Conference co-chair Ed Evans, TLT’s interim executive director, adds, “Several conference presentations on March 4 and 5 will reveal examples of new and innovative approaches to assessing student learning.” Rogers has organized 10 regional symposia, “Best Assessment Processes,” which more than 1,500 engineering educators from 400 institutions around the world have attended. Her speech will be at 8:30 a.m. Tuesday, March 4, in Room 306, Stewart Center.

For more information about the conference, including registration, visit http://tltpurdue.edu. The conference is free and open to the Purdue community and the public.

---

**Purdue cars, vans for sale**

Transportation Service has scheduled a sealed-bid sale to dispose of at least 20 cars and vans now replaced by newer vehicles.

Bids must be submitted no later than noon Thursday. Bidding will be open to the public as well as faculty and staff. Successful bidders will be notified beginning Monday.

Those with winning bids will be able to test drive vehicles before purchasing them. Every vehicle will be sold as is, without warranty. The car or van for sale will be due to the University within 48 hours of acceptance of the bid.

**Cancer benefit in Indy to feature Purdue students**

The fifth annual Purdue Cancer Benefit will be held Saturday, February 26, in Indianapolis. Purdue will feature the Purduelettes, the student cheerleaders.

**Deaths**

William E. Felty, 63, died Feb. 4 in Lafayette. He worked in Physical Facilities building services for 12 years, has led the new student systems. “We’re going to miss Lori very, very much. But the terrific team she organized and inspired at OnePurdue will continue its fine work under Rita and Gary’s leadership.”

“Rita has been involved with Purdue since day one,” Newsom says. “It’s fortunate to be in a position where we can have a smooth leadership transition for the person who knows this project well.”

Seidel will be in the position through May and then become the chair of APSAC in June. Seidel replaces former vice chair Sam Adley, who left to take a position outside Purdue.

Leonard Seidel, director of catering and events at Purdue Memorial Union, was elected to serve as vice chair for the Administrative and Staff Affairs (APSAC) Committee at the group’s Feb. 13 meeting.

**APSCF fill service chair post, hears administrator updates**

Robert J. O’Neil, 52, died Feb. 6 in West Lafayette. He was a professor of entomology, having come to Purdue for 12 years, has led the ESA team since OnePurdue officially began in July 2005.

Before joining OnePurdue, O’Neil was director of organizational effectiveness in ITaP’s Enterprise Applications Unit. She has worked for 14 years at Purdue, where she earned a degree in computer technology in 1988.

“I’m very excited about this,” Clifford said. “We have a great team of experts in technical and functional staff, experienced consultants, and project owners who have supported us all the way.”

Olsen and Lechtenberg took questions on professional development opportunities, systems and operations service delivery, new developments in the dormitories, and high-speed services to assist companies.

---

**Local dial-up services to be discontinued in August**

Purdue surveyed its personal computer users who hold a regular phone line to ascertain whether they continue to use the service at all or if the cost is of significant concern. All responses were recorded. The survey closes March 1.

---

Purdue University

**Dorsey Moss, pioneer in construction management**

D. Dorsey Moss, founder and first head of the Department of Building Construction Management, will be remembered in a memorial ceremony at 2:30 p.m. March 2 at 403 Memorial Union. Moss died Feb. 7. A 1949 Purdue civil engineering alumnus, he served on the faculty from 1946 to 1998.

---

**IPhone devices do a lot, but synchronizing calendars can be tricky**

With more than a million sold, iPhone devices are finding their way into the campus community.

The iPhone works as a phone, as an audio player, and as a connecting point between the Internet and e-mail. But synchronizing the iPhone with enterprise Outlook or Entourage calendars requires proper configuration and some manual processes, according to TLT’s Ed Evans.

Rita Clifford, the OnePurdue director of operations, will assume the role of director of the University’s Enrollment and Student Affairs (ESA) team on April 1. Gary Newsom, OnePurdue executive director, made the announcement last week.

Clifford will take over for Lori Shipley, who has accepted a position at Vanderbilt University in Nashville, Tennessee.

“Rita has been involved with Purdue since day one,” Newsom says. “It’s fortunate to be in a position where we can have a smooth leadership transition for the person who knows this project well.”

Seidel will be in the position through May and then become the chair of APSAC in June. Seidel replaces former vice chair Sam Adley, who left to take a position outside Purdue.

---

Purdue University

**Purdue cars, vans for sale**

Transportation Service has scheduled a sealed-bid sale to dispose of at least 20 cars and vans now replaced by newer vehicles.

Bids must be submitted no later than noon Thursday. Bidding will be open to the public as well as faculty and staff. Successful bidders will be notified beginning Monday.

Those with winning bids will be able to test drive vehicles before purchasing them. Every vehicle will be sold as is, without warranty. The car or van for sale will be due to the University within 48 hours of acceptance of the bid.

**Cancer benefit in Indy to feature Purdue students**

The fifth annual Purdue Cancer Benefit will be held Saturday, February 26, in Indianapolis. Purdue will feature the Purduelettes, the student cheerleaders.

**Deaths**

William E. Felty, 63, died Feb. 4 in Lafayette. He worked in Physical Facilities building services for 10 years.

Kathryn J. Cushman, 82, died Feb. 4 in Atkins. She had worked in accounting at Purdue.

Dorsey Moss, pioneer in construction management

D. Dorsey Moss, founder and first head of the Department of Building Construction Management, will be remembered in a memorial ceremony at 2:30 p.m. March 2 at 403 Memorial Union. Moss died Feb. 7. A 1949 Purdue civil engineering alumnus, he served on the faculty from 1946 to 1998.

**APSCF fill service chair post, hears administrator updates**

Robert J. O’Neil, 52, died Feb. 6 in West Lafayette. He was a professor of entomology, having come to Purdue for 12 years, has led the ESA team since OnePurdue officially began in July 2005.

Before joining OnePurdue, O’Neil was director of organizational effectiveness in ITaP’s Enterprise Applications Unit. She has worked for 14 years at Purdue, where she earned a degree in computer technology in 1988.

“I’m very excited about this,” Clifford said. “We have a great team of experts in technical and functional staff, experienced consultants, and project owners who have supported us all the way.”

Olsen and Lechtenberg took questions on professional development opportunities, systems and operations service delivery, new developments in the dormitories, and high-speed services to assist companies.

---

**Local dial-up services to be discontinued in August**

Purdue surveyed its personal computer users who hold a regular phone line to ascertain whether they continue to use the service at all or if the cost is of significant concern. All responses were recorded. The survey closes March 1.

---

Purdue University

**Dorsey Moss, pioneer in construction management**

D. Dorsey Moss, founder and first head of the Department of Building Construction Management, will be remembered in a memorial ceremony at 2:30 p.m. March 2 at 403 Memorial Union. Moss died Feb. 7. A 1949 Purdue civil engineering alumnus, he served on the faculty from 1946 to 1998.