U.S. Department of Energy Invests $5.7 Million in UToledo Solar Technology Research

By Christine Billau

The U.S. Department of Energy awarded The University of Toledo $5.7 million for two solar energy technology research projects.

Both projects involve the University collaborating with the National Renewable Energy Laboratory and First Solar, one of the world’s largest manufacturers of solar cells and a company that originated in UToledo laboratories.

“It’s part of $128 million in grant funding the federal agency announced Nov. 6 it is awarding to 75 research projects across the country to advance solar technologies that will lower solar electricity costs while working to boost solar manufacturing, reduce red tape, and make solar systems more resilient to cyberattacks,” Calzonetti said. “In the last few months alone, nearly $14 million in competitive federal funding has now been awarded to faculty and students working on cutting-edge solar technology in the UToledo Wright Center for Photovoltaics Innovation and Commercialization. Providing a strong research underpinning of our region’s solar energy industry is central to our mission.”

Engineering Students to Compete in National Cybersecurity Competition

By Christine Billau

The University of Toledo’s new engineering team called the Cyber Rockets will face off against more than 100 teams of college students across the country in the U.S. Department of Energy’s fifth annual CyberForce Competition.

The tournament, which tests cybersecurity skills through the defense of critical infrastructure, is happening simultaneously at 10 national labs Saturday, Nov. 16.

The Cyber Rockets, made up of five UToledo engineering students, will travel to Argonne National Laboratory in Illinois to defend a simulated energy company’s network against professionally executed cyberattacks and prevent hackers from compromising any information.

The University’s participation in the competition comes after the U.S. Department of Energy selected UToledo to host National Lab Day, which last month connected students and researchers with preeminent scientists from world-class

UTOledo, Ohio State Highway Patrol to Break Ground on Public Safety Center

By Christine Billau

The University of Toledo and Ohio State Highway Patrol have partnered together to build a new shared police facility on the southwest corner of Dorr Street and Secor Road to increase public safety and serve the community.

Leaders will break ground on the $6.5 million project Friday, Nov. 15, at 10:30 a.m.

The Safety Center, which will be located on vacant land owned by the UToledo Foundation across the street from campus, is expected to be completed in December 2020.

It will replace the UToledo Police Department offices in the Transportation Center and the Ohio State Highway Patrol’s post on Airport Highway near Swanton.
Food Pantry Expands to Health Science Campus

By Meghan Cunningham

A new Student Food Pantry is now available to provide convenient and healthy options to students on Health Science Campus.

The University of Toledo cut the ribbon Nov. 4 on the new location in Health Education Building Room 112 that will provide popular pantry items, such as cereals and soups, as well as frozen meals and refrigerated drinks.

“We know that food insecurity is a concern across the country in all communities, and that includes college campuses,” said Dr. Sammy Spann, associate vice president and dean of students. “Our students have really responded to our growing food programs on Main Campus, and it was important we find an opportunity to provide the same services to our students on Health Science Campus.”

The new Student Food Pantry located on Health Science Campus will be open weekdays from 8 a.m. to 5 p.m., the same hours of operation as the Student Food Pantry located in the Thompson Student Union on Main Campus that averages 60 student visits per week.

At the start of the academic year, the Division of Student Affairs took the food pantry on the road with pop-up displays with quick grab-and-go snacks to keep students fueled as they head to and from class. Two pop-ups are set up each week – one on each campus.

Students also have the opportunity to help each other out when they have extra meal swipes at the end of the month because they can be donated to the Student Food Pantry for another student to use in the on-campus dining halls. Donations of food and money are accepted year round to stock the growing Student Food Pantry programs.

The Rocket Fuel Meal Alert Program launched in spring 2019 also continues to be a success; it notifies students when food is available after a catered event on campus so they can come share a meal with friends or fill a to-go container to eat it later. There are more than 780 students enrolled to get a text alert when food is available, which averages about two times per week. In addition to providing students with nutritious meals, the program is reducing waste with more than 3,500 pounds of food saved.

For more information, visit utoledo.edu/studentaffairs/food-pantry.

Cybersecurity Competition

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facilities across the country to explore opportunities for partnerships.

Preparing for UToledo’s debut in the tournament is the main focus for Cyber Rockets Team Captain Brian McKenzie, who doesn’t have to stress out about finding a full-time job after he graduates next month since he already has one lined up through his co-op with a company that creates navigational software for the Army.

“We are excited for this opportunity to learn and meet new people,” McKenzie, a senior studying computer science and engineering technology, said. “We have been researching the kinds of equipment and software the ‘energy company’ might use. It’s going to be a challenging exercise and a fun experience overall.”

The scenarios present teams with the challenge of not only defending one of four pieces of an energy system – an energy company’s solar generation facility, electric substation, data center or manufacturing plant – but communicating with the other three infrastructures to monitor and maintain the integrity of the system as a whole.

Scoring includes a team’s ability to balance security with the need to continue normal work operations.

The scenarios look at real-world constraints and lifelike anomalies, such as no budget for maintenance or upkeep, deficiency in understanding the system’s needs, website defacement, business meetings, and lack of permission controls.

“We have been familiarizing ourselves with the Energy Department’s workflow and system,” said Medha Pujari, a UToledo Ph.D. student studying computer science and engineering. “I am thankful for the opportunity to be a member of this team and have the chance to implement our skills.”

“We are happy to be able to recruit and build our Cyber Rockets team from multiple programs in the College of Engineering,” said Dr. Weiqing Sun, associate professor of computer science and engineering technology, and faculty advisor of the Cyber Rockets. “With the newly established master’s programs in cybersecurity and cyber security graduate certificate program, we expect that UToledo will have a continuously strong presence in future CyberForce Competitions.”

Safety Center

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The combined facility will have separate spaces for each department, but the agencies will share some areas, such as training rooms, interview rooms and in-custody processing space.

“We saw an opportunity to be more cost-effective and build one state-of-the-art facility together, instead of two separate buildings,” UToledo Police Chief Jeff Newton said. “Our new space will accommodate about 100 employees and provide more comfortable meeting space for those in need of police services; improved processing, management and storage of evidence; and better officer-wellness features like a fitness area and locker rooms with showers.”

“Projects like this illustrate the power of partnerships and collaboration,” Col. Richard Fambro, superintendent of the Ohio State Highway Patrol, said. “Together we can keep making a difference in the lives of others and have a positive impact on everyone we serve.”

The Ohio Department of Public Safety and the Ohio State Highway Patrol are contributing $2.75 million to the project, and the University is contributing $3.75 million.

“This partnership is very important to Ohio Governor Mike DeWine and me, and we are appreciative of our strong relationship with The University of Toledo,” said Ohio Department of Public Safety Director Tom Stickrath.
UTeach to Display AIDS Memorial Quilt Ahead of World AIDS Day

By Tyrel Linkhorn

The University of Toledo will host an exhibition of more than a dozen panels from the AIDS Memorial Quilt in recognition of World AIDS Day.

The exhibit, which is a partnership between the UT Department of Art at the Center for the Visual Arts and The University of Toledo Medical Center Ryan White Program, will run from Friday, Nov. 16, through Friday, Dec. 6, in the Center for the Visual Arts Gallery.

A free, public lecture featuring Jeanne White-Ginder will open the exhibition Friday, Nov. 15, at 6 p.m. in the Toledo Museum of Art Peristyle.

White-Ginder is the mother of Ryan White, an Indiana teenager who contracted HIV in the mid-1980s following a blood transfusion. Their fight against discrimination and for him to return to school gained national attention. He had become a face of the AIDS crisis in America by the time he died in 1990 at the age of 18.

Shortly after his death, Congress passed a bill to establish a federally funded program to care for people with HIV/AIDS that would eventually carry his name as the Ryan White HIV/AIDS Program.

White-Ginder has remained a steadfast HIV/AIDS activist, fighting against stigma and advocating for testing as a way to reduce and prevent spread of the disease.

"I want to be around to see the end of AIDS, and I think we’re close to that. This is something Ryan started and advocated so hard for. I enjoy talking about Ryan’s life and the difference he made," she said. "I think it’s important now to hear stories of those affected. That’s why the quilt coming to Toledo is important. You actually see the faces and the stories. These people were loved and they were cared about. We do not want these people forgotten."

Joining White-Ginder at the kickoff event will be Robert Sember, an artist, researcher and educator, whose work focuses on the intersection of public health and the visual arts.

Solar Technology Research

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"Investments from the Department of Energy are yielding real results for ensuring a competitive 21st-century solar industry right here in northern Ohio," Kaptur said. "Today’s competitively awarded grants highlight and support northern Ohio’s important role in the research and development of solar technology. Solar technology will be a monumental part of our economic and clean energy future, not only as a region, but as a nation and as a planet. Innovative institutions, including The University of Toledo and Eaton Corporation, both of which are national leaders in photovoltaics research, are moving the ball forward. As the chair of the House Appropriations Subcommittee on Energy and Water Development, I will continue to prioritize Department of Energy programs that fund these important programs and grant opportunities."

Building on its more than 30-year history advancing solar technology to power the world using clean energy, UT is pushing the performance of solar cells to levels never before reached.

The Department of Energy awarded UT $4.5 million to develop next-generation solar panels that use two perovskites on top of each other that use two different parts of the sun’s spectrum on very thin, flexible supporting material.

Yan’s efforts have increased the efficiency of the new solar cell to around 23%.

"We are producing higher-efficiency, lower-cost solar cells that show great promise to help solve the world energy crisis," Yan said. "The meaningful work will help protect our planet for our children and future generations."

The Department of Energy also announced an award of $3.5 million to Colorado State University to work with UT, the National Renewable Energy Laboratory, First Solar and the University of Illinois at Chicago on a project to improve the voltage produced by cadmium-telluride-based solar cells. The amount of the award in this project going to The University of Toledo is approximately $1.2 million. UT’s leader on this project is Dr. Michael Heben, UT physics professor and McMaster Endowed Chair.

The grants come after the Department of Energy selected UT to host National Lab Day, which last month connected students and researchers with preeminent scientists from world-class facilities across the country to explore opportunities for additional partnerships.

This summer the U.S. Air Force awarded UT physicists $7.4 million to develop solar technology that is lightweight, flexible, highly efficient and durable in space so it can provide power for space vehicles using sunlight.

The U.S. Department of Energy also recently awarded UT physicists $750,000 to improve the production of hydrogen as fuel, using clean energy – solar power – to split the water molecule and create clean energy – hydrogen fuel.
AIDS Memorial Quilt

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Author, activist and policy analyst Phyllis Bennis will present the 19th Annual Maryse and Ramzy Mikhail Memorial Lecture Sunday, Nov. 16, at The University of Toledo.

She will discuss “Syria, Turkey, the Kurds, ISIS, and the New Global War on Terror” at 3 p.m. in the Law Center McQuade Auditorium.

“We are honored to welcome Phyllis Bennis to campus to speak on such a timely topic,” Kate Abu-Absi, outreach and retention specialist in the College of Arts and Letters, said. “She writes and speaks widely around the world on Middle East issues, including Palestine-Israel, Iran, Syria, Afghanistan, and U.S. foreign policy.”

Bennis is a Fellow of the Institute for Policy Studies in Washington and of the Amsterdam-based Transnational Institute. She is a co-founder of the U.S. Campaign for Palestinian Rights and the Iraq-era anti-war coalition United for Peace and Justice. She co-chaired the United Nations-based civil society International Coordinating Network on Palestine and serves on the national board of Jewish Voice for Peace.

Bennis’ most recent books are “Understanding the Palestinian-Israeli Conflict: A Primer” and “Understanding ISIS and the New Global War on Terror: A Primer.” She appears in the media, lectures at universities and teach-ins, and briefs parliamentarians and government officials.

She has served as an informal adviser to several top UN officials on Palestine issues, and was short-listed twice to become the UN special rapporteur on human rights in the occupied territory.

The free, public lecture has been held continuously at The University of Toledo since 2001, and is co-sponsored this year by the College of Arts and Letters, with WGTK as the media sponsor.

The Mikhail Lecture Series is sponsored through the Mikhail Endowment Fund, originally established through a donation from the Mikhail family to honor the work and contributions of Maryse Mikhail and her involvement in educational, philanthropic and interfaith organizations.

The fund supports an annual lecture dealing with Arab culture, history, politics, economics and other aspects of life in the Middle East, including issues of peace and justice.

More information about the event is available at mikhaillecture.wordpress.com.

Those who wish to make a tax-deductible contribution to the fund can go to utfoundation.org/give/giveonline.aspx.

Syria, Turkey, The Kurds, ISIS & THE NEW GLOBAL WAR ON TERROR.

Saturday, Nov. 16
3:00 p.m.- 5:00 p.m.

THE UNIVERSITY OF TOLEDO LAW CENTER
MCQUADE LAW AUDITORIUM
1825 W. ROCKET DR. TOLEDO, OH 43606

This event is free and open to the public. Please visit https://www.utoledo.edu/ai/mikhail.html for additional information.

AIDS Memorial Quilt

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and art. He’s a part-time faculty member at the New School in New York City.

The AIDS Memorial Quilt was started in 1987. In the three decades since, it has grown to include more than 48,000 panels. Nearly 100,000 individuals are memorialized on the quilt.

Panels to be displayed locally include several recognizing individuals from northwest Ohio, as well as a number of well-known artists, photographers, filmmakers and activists.

The exhibit is supported by the Ann Waisyon Locher Memorial Fund for HIV Care.

Dr. Mysoon Rizk, a UToledo professor of art history and one of the organizers of the exhibit, said as the AIDS epidemic spread in the 1980s, artistic communities in major U.S. cities such as New York were hit particularly hard. Because of that, she said, artists have played an important role in fighting to change attitudes toward the disease and giving voice to what it means to be affected.

“Staging such an exhibition makes for educational opportunities to focus discussion on AIDS and HIV, both of which still ravage many communities around the world and both of which remain associated with stigmatizing experiences,” Rizk said. “Young people who never learned about the history of the AIDS crisis may experience consciousness-raising and greater awareness about diseases, whether transmitted sexually or by any other means, such as blood transfusions, as well as to learn about the incredible UTMC Ryan White Program.”

The Ryan White Program at UTMC offers high-quality comprehensive care for individuals and families affected by HIV/AIDS. The program offers adult primary care, mental health counseling, case management, advocacy and HIV testing in Lucas County and the surrounding area. In 2018, the program served more than 1,000 individuals.
The UToledo Opera Workshop Ensemble will present two of Gian Carlo Menotti’s best-loved one-act operas in a performance titled “The Magic of Menotti” Friday through Sunday, Nov. 15-17.

The ensemble will perform “The Telephone” and “Amelia Goes to the Ball” in two different performance settings—a dinner show and a traditional theatre performance.

In “The Telephone,” a young man, ready to propose, finds it impossible to break through his love’s addiction to her phone. The UToledo Opera ensemble gives this classic comedy an update for the smartphone era.

UToledo music students Ashley Roarke, soprano, and Sam Spencer, baritone, will play Lucy and Ben.

The title says it all: “Amelia Goes to the Ball” and—spoiler alert—she goes! Nothing will stop this young socialite from attending the most anticipated ball of the season—not her husband, not her lover, nor their battle for her affections.

UToledo music students featured in the opera are Paige Chapman, soprano; Catharine Jordan, soprano; Seth Johnson, tenor; Justin Harris, bass baritone; Taylor Waldfogel, soprano; Kailyn Wilson, soprano; Katherine Kuhlman, mezzo-soprano; Danielle Demeo, soprano; Ashley Roark, soprano, Sam Spencer, baritone; Brandon Warren, tenor; and Tingzhi Wu, tenor.

Production crew members are Dr. Emily K. Oehrtman, visiting assistant professor of voice, producer and co-director; Wayne Anthony, adjunct professor of voice, pianist and co-director; Seth Johnson, graduate student, costume crew coordinator; and Justin Harris, graduate student, set and prop crew coordinator.

Dinner show performances will be held at the Carranor Hunt and Polo Club, 502 E. 2nd St. in Perrysburg, Friday, Nov. 15, at 6:30 p.m. and Sunday, Nov. 17, at 5 p.m. A dinner show ticket includes both operas and a meal of prime rib or chicken Marsala, as well as salad, dessert buffet, coffee, tea and water. A cash bar also will be available; however, no credit cards will be accepted at the bar. There is a 10% discount on two or more dinner show tickets. Use the promo code UT Opera when purchasing.

Tickets to the dinner shows are $50 general admission; $45 for all UToledo employees and alumni, seniors 60 and older, and members of the military; and $40 for students and children. Dinner show tickets are only available in advance. Purchase tickets by Wednesday, Nov. 13.

The traditional theatre performance will be held Saturday, Nov. 16, at 8 p.m. in the Center for Performing Arts Recital Hall. Tickets to the traditional performance are $15 general admission; $12 for all UToledo employees and alumni, seniors 60 and older, and members of the military; $10 for students and children; and free for UToledo students with ID. Tickets to this performance are available in advance or at the door.

Advance tickets to any of the performances are available through the UToledo Center for Performing Arts Box Office. Call 419.530.ARTS (2787) or go to utoledo.tix.com.

Campus community members are invited to join UToledo’s military-connected students for a movie night Thursday, Nov. 14, at 5:30 p.m. in Rocket Hall Room 1530.

The film, “Fort Bliss,” stars Michelle Monaghan as a decorated Army medic who returns from Afghanistan and tries to fit back into civilian life and rebuild her relationship with her young son.

“I think this movie sheds light on an aspect of military life most people don’t know about,” Eric Buettikofe, UToledo director of military and veteran affairs, said. “I thought it was a good way to bring student veterans together for a fun event and help them feel connected on campus.”

Attendees may bring dinner or snacks to the screening of the 116-minute movie.

The free, public event is sponsored by PAVE, the Peer Advisors for Veteran Education, a program brough to campus this year by Buettikofe.

“PAVE is a peer support program for student veterans,” he said. “Student veterans share their firsthand experiences with incoming student veterans to help them connect with the campus and resources they need to succeed.”

Currently, 97 students are PAVE members. These are mostly first-time students, but also students who left college to join the military and are back to finish their education, according to Buettikofe.

For more information about PAVE or the movie screening, contact the Military Service Center at msc@utoledo.edu or 419.530.1392.
Plan Provides Details for Emergencies, Essential Employees

By Christine Wasserman

The University of Toledo's Continuity of Operations Plan helps to ensure students, faculty, staff, patients and other customers are safe whenever the University must temporarily suspend operations due to weather-related or other types of emergencies.

Although essential services continue and the University and The University of Toledo Medical Center remain open during severe weather and other unforeseen emergencies, classes and campus events may need to be delayed or canceled.

"Protecting our campus community members is our No. 1 priority," said Matt Schroeder, executive vice president and chief financial officer. "We strive to communicate as quickly as possible when campus operations may be impacted so we can ensure everyone is safe and our infrastructure is maintained."

If a major snowstorm, ice storm or other emergency affects classes, the University will announce this information through the following channels:

- UT Alert text message and email (be sure your cell phone number is updated in Banner);
- Rave Guardian phone app (download free from app store);
- Website - on myut.utoledo.edu and utoledo.edu/weather (provides time-stamped weather updates);
- Social media – UToledo on Facebook and Twitter; and
- Local media outlets, including TV and radio stations.

The University's policy is to remain open whenever possible in order to minimize interruption of teaching and research. Leaders are asked to designate and notify essential employees - those with skills or expertise critically necessary to ensure successful, continuous operations during an emergency.

Essential employees are required to report to work, regardless of the level of emergency, when a temporary suspension of University operations is authorized and the Continuity of Operations Plan is activated.

UToledo areas defined as "essential" in maintaining continuous operations during a temporary suspension of operations include clinical operations; public safety/UT Police; Information Technology; Academic and Student Services; Supply Chain Operations (for clinical operations only); Facilities; and Employee Payroll and Human Resources Information Systems.

Employees who work in these areas may be designated as essential personnel and are required to report to work whenever the Continuity of Operations Plan is activated. These employees will be notified of their designation by their supervisors and given UToledo's essential personnel acknowledgment memo, as well as the essential personnel restricted travel memo. The latter should be carried at all times throughout the year and presented to law enforcement if stopped when traveling to or from work at the University during an emergency.

Throughout the coming winter, all campus community members are advised to be cautious when walking across campus in snowy and icy conditions. If you see walkways that need to be cleared, notify grounds crew on Main Campus at 419.530.1000 and on Health Science Campus at 419.383.5353.

More information about campus operations during severe weather or other emergencies is available at utoledo.edu/depts/hr/essentialemployee. If you have any questions after reviewing these details, talk with your supervisor.

Assessing Effectiveness of Research Topic of Forum

"Telling Your Story With Publication Metrics" will be discussed at the next Future of Higher Education Forum Friday, Nov. 15.

Wade M. Lee-Smith, associate professor of library administration, will be the speaker at the event, which will take place from 10:30 a.m. to noon in Carlson Library Room 1005.

"My research and teaching interests include the changing ways in which scholars can document and interpret the effect their research has on the scholarly publication ecosystem," Lee-Smith said.

A science librarian, Lee-Smith will share his wisdom from nearly 25 years of experience training researchers in efficient and effective use of tools to perform literature-based research.

The Future of Higher Education Forums are sponsored by the Office of the Provost.

Forums are held monthly throughout the academic year. Visit the Office of the Provost website at utoledo.edu/offices/provost/future-of-higher-education-forum to see upcoming topics, as well as to view past forums.

For more information, contact Dr. Amy Thompson, vice provost for faculty affairs and professor of public health, at amy.thompson4@utoledo.edu.

Apply for Eberly Center Advisory Board

The Catharine S. Eberly Center for Women is accepting applications from faculty and staff interested in joining its advisory board.

A staple of the Eberly Center since its inception in 1977, the Catharine S. Eberly Center for Women Advisory Board is composed of members from The University of Toledo and the surrounding area. Members serve a three-year term and are responsible for regularly attending bimonthly board meetings and supporting Eberly Center programs and initiatives.

To submit an application and learn more about board member responsibilities, visit utoledo.edu/centers/eberly/advisoryboardinterestform.html.

For more information, contact Dr. Angie Fitzpatrick, director of the Eberly Center, at angela.fitzpatrick@utoledo.edu.
UT News is published for faculty, staff and students by the University Marketing and Communications Office weekly during the academic year and periodically during the summer. Copies are mailed to employees and placed in newsstands on the Main, Health Science, Scott Park and Toledo Museum of Art campuses. UT News strives to present accurate, fair and timely communication of interest to employees. Story ideas and comments from the UToledo community are welcome. Send information by campus mail to #190, University Marketing and Communications Office, Vicki Kroll. Email: vicki.kroll@utoledo.edu. Fax: 419.530.4618. Phone: 419.530.2248. Mailing address: University Marketing and Communications Office, Mail Stop 190, The University of Toledo, Toledo, OH 43606-3390.

The University of Toledo is committed to a policy of equal opportunity in education, employment, membership and contracts, and no differentiation will be made based on race, color, religion, sex, age, national origin, sexual orientation, veteran status or the presence of a disability. The University will take affirmative action as required by federal or state law.

UT News is published for faculty, staff and students by the University Marketing and Communications Office weekly during the academic year and periodically during the summer. Copies are mailed to employees and placed in newsstands on the Main, Health Science, Scott Park and Toledo Museum of Art campuses. UT News strives to present accurate, fair and timely communication of interest to employees. Story ideas and comments from the UToledo community are welcome. Send information by campus mail to #190, University Marketing and Communications Office, Vicki Kroll. Email: vicki.kroll@utoledo.edu. Fax: 419.530.4618. Phone: 419.530.2248. Mailing address: University Marketing and Communications Office, Mail Stop 190, The University of Toledo, Toledo, OH 43606-3390.

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EVERY GIFT MAKES A DIFFERENCE.

UTOLEDO CARES 2019
SUPPORTING COMMUNITY

The University’s annual community charitable campaign is held in partnership with:

United Way of Greater Toledo
Community Health Charities
EarthShare Ohio
Community Shares Northwest Ohio

Make Your Donation Now Through Friday, Dec. 13
YOUR E-PLEDGE FORM WILL ARRIVE VIA EMAIL

Choose from more than 200 deserving nonprofit organizations to receive your tax-deductible gift. Learn more at u Toledo.edu/cares.

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