National Lab Day

Congresswoman Marcy Kaptur addressed researchers and scientists from the U.S. Department of Energy laboratories who came to campus last week for National Lab Day. It was the first time the University hosted the two-day event to enhance northwest Ohio’s collaborations to make discoveries, find innovative solutions, create groundbreaking technology, and offer the U.S. Department of Energy a chance to recruit UToledo students to pursue careers at the national labs.

Welcoming the more than 450 registered participants for the two-day event were, from left, Andrew Deye, managing director of strategy, business development and research for Jobs Ohio; Congresswoman Marcy Kaptur; Dr. Chris Fall, director of the U.S. Department of Energy Office of Science; and Dr. Sharon L. Gaber, president of The University of Toledo.

UToledo to Collaborate With Oak Ridge National Laboratory on Automotive Materials Research

By Christine Billau

Lightweight materials are critical for advancing the energy efficiency and range of electric vehicles.

The University of Toledo and the U.S. Department of Energy’s Oak Ridge National Laboratory (ORNL) in Tennessee signed a memorandum of understanding Oct. 9 to team up for collaborative research into the advanced design and manufacturing of lightweight, strong, intelligent materials for the automotive industry.

The partnership will play a key role in developing new processes to produce alloys and metals, as well as enhance northwest Ohio’s leadership in research, innovation, development and production in the automotive industry.

“We are proud to collaborate with Oak Ridge National Laboratory on this critical research to drive the next generation of automotive manufacturing,” said Dr. Mike Toole, dean of the UToledo College of Engineering. “Our partnership teaming innovative mechanical engineers at UToledo with some of the country’s preeminent scientists will focus on finding solutions to ensure the U.S. remains a global leader. The research will have spillover from the national level to the regional level.”

The researchers plan to engage with the automotive industry in Ohio and Michigan as they combine ORNL’s expertise and capabilities in manufacturing, carbon fiber and... continued on p. 2
composites, machining, energy storage, and metrology with UToledo’s expertise in manufacturing system modeling, metals engineering and assembly systems.

“This partnership will develop technological solutions to enhance the competitiveness of the U.S. automotive manufacturing sector,” said Dr. Moe Khaleel, associate laboratory director for energy and environmental sciences at ORNL. “ORNL is looking forward to providing access to its research facilities, along with expertise and guidance in advanced materials and manufacturing to the University in this valuable partnership.”

The collaboration will focus on monitoring and control systems for metal forming processes; optimizing joining techniques for high-strength materials such as steel, aluminum and composites; and exploring the combination of new materials such as shape-memory alloys with additive manufacturing to create strong, resilient, active structures for vehicle applications.

ORNL provides researchers with sophisticated equipment and unique facilities to solve some of the nation’s most compelling challenges. As the largest U.S. Department of Energy open science laboratory, ORNL’s mission is to deliver scientific discoveries and technical breakthroughs that will accelerate the development and deployment of solutions in clean energy and global security while creating economic opportunities for the nation.

The University of Toledo also is a member of another organization that closely interacts with the U.S. Department of Energy as a collaboration that closely interacts with the U.S. Department of Energy: Oak Ridge Associated Universities (ORAU), which includes more than 100 Ph.D-granting institutions as its members. ORAU works with the U.S. Department of Energy and other agencies in providing scientific and technical solutions to a wide range of topics as well as supporting science education and workforce development.

For the first time, UToledo last week hosted National Lab Day to connect students and researchers with scientists from DOE national laboratories across the country and explore opportunities for additional partnerships. The event focused on enhancing northwest Ohio’s collaborations to make discoveries, finding innovative solutions, and creating groundbreaking technology.
To enroll for your 2020 benefits:
- Log in to the myUT portal or
- Use the link at utoledo.edu/open-enrollment, where plan comparisons, rates and other helpful details are available.

For questions or help to enroll:
- Stop by Human Resources to talk with a benefits specialist; the office is located in the Center for Administrative Support on Main Campus near the Dorr Street entrance.
- Open office hours every Tuesday and Thursday in October from 8:30 a.m. to 5 p.m.
- Other times available by appointment; call 419.530.4747 to schedule.

Reminders:
- Current Gold plan participants must select a new plan and complete open enrollment so there is no disruption to their coverage if they want to continue receiving coverage through UToledo in 2020.
- Employees who currently have a Flexible Spending Account or Health Savings Account also must complete enrollment to continue participating in these accounts.
- Members of the Blue plan, which is moving from Medical Mutual of Ohio to Paramount, should contact Paramount to see if their current healthcare provider is included in Paramount’s network — paramounthealthcare.com or 1.800.462.3589.

Questions? Contact benefits@utoledo.edu or 419.530.4747.

Entrepreneurs to Compete at UToledo for $10,000 Startup Investment Oct. 24

By Christine Billau

Five local startups will present their business ideas at the eighth annual Pitch & Pour competition sponsored by The University of Toledo’s Launchpad Incubation Program.

A Wi-Fi-enabled sump pump controller, a speech-therapy device to help children pronounce the “r” sound, and a system to protect Lake Erie from pollution are among the innovations vying for the $10,000 grand prize Thursday, Oct. 24, at 5:30 p.m. in the Nitschke Technology Commercialization Complex.

Teams have five minutes to pitch their business concepts to the top investors, venture capitalists, professors and business leaders in the area. Second place wins $5,000, and third place wins $2,500.

Attendees must pre-register for the free, public event at utoledo.edu/incubator/pitchandpour.

“Pitch & Pour has been a staple event for the entrepreneurial community for the past seven years, and we feel that this year’s competitors have a lot of potential for growth and success,” Brian Genide, director of incubation and venture development at UToledo, said. “We continue to work with the competitors and applicants once the event has ended. We act as advisors to ensure our entrepreneurs meet the growth milestones necessary for success.”

The 2019 Pitch & Pour teams are:
- Bite-R, a speech therapy device designed to help children produce the “r” sound. This device has been shown to reduce the time spent in speech therapy – saving schools money and improving children’s lives.
- Jaberu Sump Pump Controller, a Wi-Fi-enabled sump pump controller with a mobile app interface. The device can monitor and regulate multiple pumps, provide notifications of long cycles, and alert for high water levels and power failure.
- PedoEndo Dental Innovation, a multi-sensor, hand-held dental probe that determines the health of a tooth without the need for verbal feedback from a patient.
- Pelham Precious Metals, a disruptive antimicrobial, anti-odor, anti-infective and anti-healthcare-associated infection coating for textiles. The coating adds protection to fabrics without interfering with the functionality of underlying coatings, such as fire retardants, wicking layers, water repellants and fabric softeners.
- cHorizon, a three-tier system that measures, controls and extracts nutrients from a farm’s water runoff before it makes its way to Lake Erie. It helps farmers monitor and manage soil and water resources to ensure the supply of clean water, improve soil health, build regenerative practices, and maximize profit within agricultural and hothouse industries.

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2019 Varsity ‘T’ Hall of Fame Class to be Inducted Oct. 25

By Paul Helgren

The University of Toledo Varsity ‘T’ Hall of Fame will induct six former student-athletes Friday, Oct. 25, at the Hilton Garden Inn in Perrysburg.

Social hour for the event will begin at 6 p.m., and dinner will follow at 7 p.m. The class also will be introduced at halftime of the Rockets’ football game vs. Eastern Michigan Saturday, Oct. 26.

Tickets for the Varsity ‘T’ Hall of Fame induction dinner are $45 or $350 for a table of eight and can be purchased by calling the Athletic Development Office at 419.530.5087.

The 2019 Varsity ‘T’ Hall of Fame inductees are:

David Fluellen, football, 2010 to 2013. He was a two-time, first-team All-Mid-American Conference selection at running back in 2012 and 2013, and ranks sixth in UToledo history with 3,336 career rushing yards. He ranks third all-time in career yards per carry (5.95) behind Kareem Hunt and Adonis Thomas. Four times he rushed for more than 200 yards in a game, tying Chester Taylor and Hunt for the most 200-yard efforts in school history. Fluellen was a backup to Thomas in his first two seasons at Toledo, gaining 224 and 493 yards in those two years, respectively. As a junior, Fluellen busted loose for 1,498 yards, which ranked eighth in the nation that season and sixth all-time at the University; he would have had even more yards, but he sat out one game and parts of two other contests due to injuries. Fluellen had a string of six straight games over 100 yards, averaging 182.4 yards per game during that span. He was named first-team All-MAC and one of 10 national semifinalists for the Doak Walker Award as the country’s best running back. As a senior, Fluellen rushed for 1,121 yards despite missing three games and most of a fourth due to a late-season leg injury. He led the MAC with an average of 6.7 yards per carry and was 10th in the nation with an average of 124.6 rushing yards per contest. In one game vs. Western Michigan, Fluellen ran for 220 yards and four TDs. After graduation, Fluellen signed with numerous NFL teams, playing on practice squads until making his game debut in 2017 with Tennessee; he has played for the Titans ever since.

Jeremy Griffiths, baseball, 1997 to 1999. He was a three-year letter winner, earning first-team All-MAC and MAC Pitcher of the Year honors as a junior in 1999. Griffiths was dominant that season, compiling an 11-4 mark with a 2.50 ERA and a school-record 102 strikeouts. He set the UToledo record with 11 complete games in his 15 starts, racking up 97.2 innings and throwing three shutouts. Griffiths, whose 11 wins ranks second all-time at Toledo, helped the Rockets to a 39-20 record (23-9 MAC), the most wins in school history. Griffiths came on the scene as a freshman in 1997, going 2-1 with four saves out of the bullpen with a team-best 3.56 ERA and 32 strikeouts in 30.1 innings pitched. As a sophomore, Griffiths moved into the starting rotation, going 5-3 and striking out 51 batters in 54.2 innings. He once again led the team with a 4.94 ERA. Griffiths left UToledo after his junior season and was drafted in the third round by the New York Mets. He pitched for the Mets in 2003 and the Houston Astros in 2004.

Emma Kertesz, women’s track and field/cross country, 2006 to 2009. Kertesz was a two-time All-MAC selection in track and cross country, Kertesz won four MAC titles, as well as earned All-America honors in the 10,000 meters in her career as a Rocket. As a senior in 2009, Kertesz was named Most Valuable Performer at both the MAC Indoor and Outdoor Championship meets. In the indoor meet, she won the mile, breaking the school record and MAC Championship meet record at the time, while also winning the 5,000 meters and placing third in the 3,000. Her performance helped lead Toledo to a second-place showing, its highest-ever finish at the indoor championship. In the outdoor meet, Kertesz won the steeplechase and the 5,000, again leading Toledo to a best-ever second-place finish. She earned second-team All-America honors in the 10,000 with a 16th-place finish in the 10,000 meters at the 2012 NCAA Championship Meet, and broke the MAC record in the 10,000 with a time of 33:28.58 that she set at the Stanford Invitational. As a junior, Kertesz earned second-team All-MAC with a heroic performance at the MAC Outdoor Championship. Poor weather forced her to run three distance events in one day, and she came through for the Rockets, taking second in the steeplechase, fourth in the 5,000 and fifth in the 1,500. In cross country, Kertesz helped lead Toledo to back-to-back MAC Championships in 2010 and 2011, earning all-conference and all-region honors both years. In 2011, she was runner-up at the MAC Championships and seventh at the NCAA Regionals as Toledo took third as a team. Her performance helped the Rockets qualify for the NCAA Championships, where they had their best finish in school history (21st). In 2010, Kertesz finished eighth at the conference championships and 19th at the NCAA Regionals, helping Toledo qualify for the NCAA Championships. In 2012, she represented Team USA in the Chiba Ekiden Relay in Japan and finished 12th at the USA 5K Road Championships. She qualified for the 2016 and 2020 Olympic Marathon Trials. Kertesz is the school record holder in the 10,000 and ranks in the top 10 in the 1,500, steeplechase and 5,000.

Jade Montrie, wrestling, 1987 to 1991. Montrie was a three-time Mid-American Conference Champion in 1988, 1989 and 1991, all at the 134-pound weight class. He also was a three-time NCAA qualifier. He was a team captain in 1989 and 1991, and was ranked in the top 10 nationally both seasons.
Toledo Men’s and Women’s Basketball to Host ‘Tricks, Treats and Dunks’ Oct. 23

By Brian DeBenedictis

The University of Toledo will host “Tricks, Treats and Dunks,” presented by Paramount Advantage, a special basketball season preview, Wednesday, Oct. 23, at 6 p.m. in Savage Arena. Admission is free.

The evening will begin with trick-or-treating for kids from 6 to 7 p.m. at stations located on the arena concourse, and pumpkin decorating and a haunted house inside the Fetterman Practice Gym. Fans can dress in their Halloween costumes and get treats and prizes.

Free basketball schedule posters also will be provided for fans to get autographs from Toledo women’s and men’s basketball players.

At 7 p.m., the fun moves onto the recently redesigned Nichols Court, where a contest for best Halloween costumes will be judged. Prizes will be given out to best costumes for children.

Following the Halloween costume contest, the 2019-20 women’s and men’s basketball teams will be introduced. The Rockets will participate in a game of Knockout that will feature players from both teams, a Kids Club member, a UToldeo student and a fan. The event will conclude with a slam-dunk contest by the men’s team.

Fans can purchase snacks from the concession stands as they watch the action and listen to music by a DJ.

In conjunction with “Tricks, Treats and Dunks,” the Residence Hall Association will host its annual Halloween Walk. Children and families will have the opportunity for more trick-or-treating in the residence halls following the conclusion of the event in Savage Arena.

The UToldeo Athletic Ticket Office will be open during the event for fans who wish to purchase season tickets or who want more information about tickets. Fans can also go to utrockets.com or call 419.530.GOLD (4653).

Varsity ‘T’ Hall of Fame

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Montrie participated in the University World Freestyle Tournament in 1990 in Czechoslovakia and the World Duals Tournament. After graduation, Montrie became a graduate assistant coach at Toledo from 1992 to 1994, then coached for the Michigan National Team, then became the head technique coach of the Michigan Junior Olympic Team. He also held a position as assistant wrestling coach at Bedford High School in Michigan.

Rian Pearson, men’s basketball, 2011 to 2014. Pearson was a three-time All-MAC selection from 2011 to 14, leading Toledo in scoring all three seasons. He was the first Rocket to earn all-league honors in three straight seasons since Greg Stempin (1998 to 2001). Among Rockets who played three seasons, Pearson ranks second in career points with 1,589, trailing only Steve Mix. As a senior, Pearson was named second-team All-MAC and National Association of Basketball Coaches All-District while helping the Rockets to a school-record 27 victories (27-7) and a share of the MAC regular-season title. He was eighth in the MAC with 14.6 points per game while shooting a career-best 47.9 percent from the floor. He also was sixth in the MAC in steals (1.7 steals per game) and second on the team with 5.3 rebounds per contest.

After sitting out the 2010-11 season following his transfer from the University of Wisconsin-Green Bay, Pearson was second in the MAC with 16.4 points per game, just fractions of a point behind Julian Mavunga of Miami. Pearson, a second-team All-MAC selection, also ranked third in the MAC and fifth in the nation among guards with 8.3 rebounds per game that season. After graduation, Pearson played professional basketball for three seasons.

Vicki Traven, women’s soccer, 2008 to 2011. Traven was a two-time All-MAC goalkeeper who led the Rockets to MAC Championships and NCAA appearances in 2008 and 2011, as well as a MAC regular-season title in 2010. Traven holds almost all of Toledo’s career goalkeeping records, including most victories (51), shutouts (34) and best goals-against average (0.81). She also holds season marks for victories (14 in 2008, 2010 and 2011), shutouts (10 in 2010) and goals against average (0.75 in 2008). In her four seasons at UToldeo, her record in goal was 51-18-7 with a school-record 34 shutouts. In 2008, she earned MAC Freshman of the Year honors and was named to the MAC All-Freshman and All-Tournament teams. In 2010, she made second-team All-MAC while going 9-5-4 in net. In her senior season, Traven earned first-team All-MAC honors and led UToldeo to regular-season and MAC Tournament titles. Traven also earned Academic All-MAC recognition in 2009, 2010 and 2011.
Hussain Lecture to Chart Transformation of Medical Science

By Tyrel Linkhorn

The great Greek physician Galen of Pergamon was one of the most influential forces in medical history, with his theories informing the profession for centuries.

Unfortunately, many of Galen’s ideas were wrong.

“For nearly 2,000 years, we were practicing medicine like it was the Stone Age. There was nothing scientific about it,” said Dr. Syed Tasnim Raza, a cardiothoracic surgeon and associate professor of surgery at Columbia University Medical Center.

Thankfully, real scientific discovery eventually won out, helping to lead medicine into the cutting-edge field it is today.

Tasnim Raza, who has spent the last decade studying the history of medicine after more than three decades as a heart surgeon in Buffalo, N.Y., will outline those radical changes at the 11th annual S. Amjad Hussain Visiting Lecture in the History of Medicine and Surgery Thursday, Oct. 17, at 5 p.m.

The free, public lecture will be held in Health Education Building Room 110 on Health Science Campus. RSVPs are requested; email hscevents@utoledo.edu or call 419.383.6300.

One of Galen’s primary mistakes was assuming the anatomy of animals he dissected was wholly applicable to humans. For 1,300 years, no one dared question him.

“The thinking was, ‘If Galen said it, it has to be true,’” said Tasnim Raza. “We need to have the strength to challenge conventional wisdom, dogma and current thinking to improve and continue to change.”

The S. Amjad Hussain Visiting Lecture in the History of Medicine and Surgery was created in honor of Hussain, professor emeritus of cardiovascular surgery and humanities, a former member of the UToledo Board of Trustees, and columnist for The Blade.

“Dr. Tasnim Raza has had a deep interest in the history of medicine and

Tasnim Raza has just finished a book manuscript on the history of heart surgery. He is a man who is well-versed in not only the subject of surgery, but also in the arts and humanities,” Hussain said. “The study of the history of medicine is important because it shows us the distance we have covered and the path we have traversed to reach the present. History being a continuum, we cannot chart a future unless we know the past.”

In part, the lecture series helped further inspire Tasnim Raza’s interest in the history of medicine after he came to Toledo in 2013 to hear author Wendy Moore speak about her biography of the 18th-century Scottish physician Dr. John Hunter.

Tasnim Raza’s sister also has presented the Hussain lecture. Dr. Azra Raza, a well-known oncologist and cancer researcher, and Chan Soon-Shiong Professor of Medicine at the Columbia University Medical Center, visited Toledo in 2017.

Azra Raza will join Tasnim Raza in Toledo to kick off a book tour for her forthcoming title, “The First Cell: And the Human Costs of Pursuing Cancer to the Last.”

Blooming Glory

President Sharon L. Gaber talked with students and faculty at a dedication ceremony for the Carlson Library Prairie. The event last week took place by the new garden, located on the southeast corner of the library. Students from the Know Your Place class started the project last spring, Dr. Todd Crail, associate lecturer of environmental sciences, taught the course with support from Greening UToledo.

Entrepreneurs (continued from p. 3)

This year’s judges are all UToledo alumni and active entrepreneurs in Ohio and Indiana. They are:

- Tony Pietrocola, president of Agile1, investor and board member with Metisentry;
- Jason Daniels, president and CEO of JAYRAMON LLC;
- Tracy Momany, vice president of plastic technologies at Guardian Medical USA and director of medical operations at Plastic Technologies Inc.;
- Doug Rammel, president and founder of Abstract Reality Ventures and Social Net Watcher, and founding partner/investor of Didgebridge; and
- Akih Amin, 2018 Pitch & Pour Winner and founder of GAFFFL.

Pitch & Pour competitors are invited to join UToledo’s Launchpad Incubation Program, which works to bolster innovation in northwest Ohio by providing access to capital, resources and expertise focused on enhancing community collaboration and communication for entrepreneurial development.

Launchpad Incubation at UToledo is one of northwest Ohio’s leading business startup and entrepreneurial assistance programs for innovative and high-tech concepts. Launchpad specializes in concept advancement for new ventures and works with entrepreneurs to create profitable businesses for the region and beyond. Launchpad provides access to capital, business development resources, and expertise focused on enhancing community collaboration and communication for entrepreneurial development.
ComDoc Printing Needs Assessment Nearing Completion

By Christine Wasserman

To improve efficiencies while still providing faculty, staff and students sufficient access to copying, duplication and other related services, earlier this year the University partnered with ComDoc, a division of Xerox Corp., to assess replacing and managing its fleet of printers, fax machines and copiers.

Information Technology has been assisting ComDoc during the last five months to complete a needs assessment to identify the location, print volumes and other information about UToledo’s current equipment so ComDoc may create redesigns and submit its recommendations to the University by December.

“We certainly appreciate every college, department, library and office area quickly responding to questions throughout this assessment so that we can continue making progress with this initiative,” said Bill McCreary, vice president and chief information and technology officer. “To date, the work has gone smoothly, thanks to everyone’s assistance.”

There understandably are lots of questions about this project, such as whether all current equipment will be replaced, and where and when that equipment will be delivered, McCreary added.

“We anticipate there may be fewer copiers and fax machines in order to achieve cost savings, but the new equipment also will provide features and qualities that should better meet user needs,” McCreary said. “ComDoc has proven it can produce significant savings. Many other universities that already have taken advantage of its statewide contract with public institutions in Ohio have been very pleased with their savings and service.”

The ultimate choice about equipment usage and how to achieve efficiencies will fall to the leaders of each area of the University. That makes UToledo unique in its approach to this initiative, McCreary said.

Once ComDoc submits its recommendations to the University, another update, including an implementation timeline, will be shared with key stakeholders.

If you have questions related to ComDoc’s needs assessment process, scheduling or other general questions about this initiative, contact Dom D’Emilio, senior director for network services and technical support, at dominic.demilio@utoledo.edu.

For breaking news, go to news.utoledo.edu
New Network Set to Empower Women Faculty, Staff

President Sharon L. Gaber and Interim Provost Karen Bjorkman will speak at the kickoff breakfast for the Women’s Mentoring Network.

Gaber will provide welcome remarks, and Bjorkman will discuss the importance of mentoring in higher education Tuesday, Oct. 22, in the Thompson Student Union Ingman Room. The event will run from 8:30 to 10 a.m.

“The UToledo Women’s Mentoring Network seeks to retain and support junior women faculty across campus,” Dr. Amy Thompson, vice provost for faculty affairs and professor of public health, said.

Junior tenure-track women faculty who would like a peer mentor complete a brief online form about their professional and personal interests. Each assistant professor then is paired with a senior faculty member who shares similar interests and has volunteered to serve as a mentor.

“Our mentoring initiative does not replace departmental mentoring programs, but builds upon those departmental mentoring relationships,” Thompson said.

“You can never have too much support,” she added. “We are happy to launch this program for women faculty as well as staff.”

Additional speakers at the breakfast will be Dr. Cyndee Gruden, associate dean of the College of Graduate Studies, and Dr. Joan Duggan, associate dean of faculty affairs in the College of Medicine and Life Sciences, and director of UToledo’s Ryan White Program.

Friday, Oct. 18, is the deadline to RSVP for the kickoff breakfast for the Women’s Mentoring Network; go to utoledo.edu/offices/provost/womens-mentoring-network.html.

For more information, contact Thompson at amy.thompson4@utoledo.edu.

WOMEN'S Mentoring Network

FACULTY AND STAFF CAN JOIN US FOR A KICKOFF BREAKFAST

Tuesday, Oct. 22
8:30 - 10 a.m.

THOMPSON STUDENT UNION INGMAN ROOM

LEARN MORE ABOUT NEW MENTORING PROGRAMS FOR WOMEN AS A RESOURCE FOR FACULTY AND STAFF SUCCESS AT UTOLEDO.

Visit utoledo.edu/offices/provost/events to RSVP.

For additional information, contact amy.thompson4@utoledo.edu.

Sponsored by the Office of the Provost