

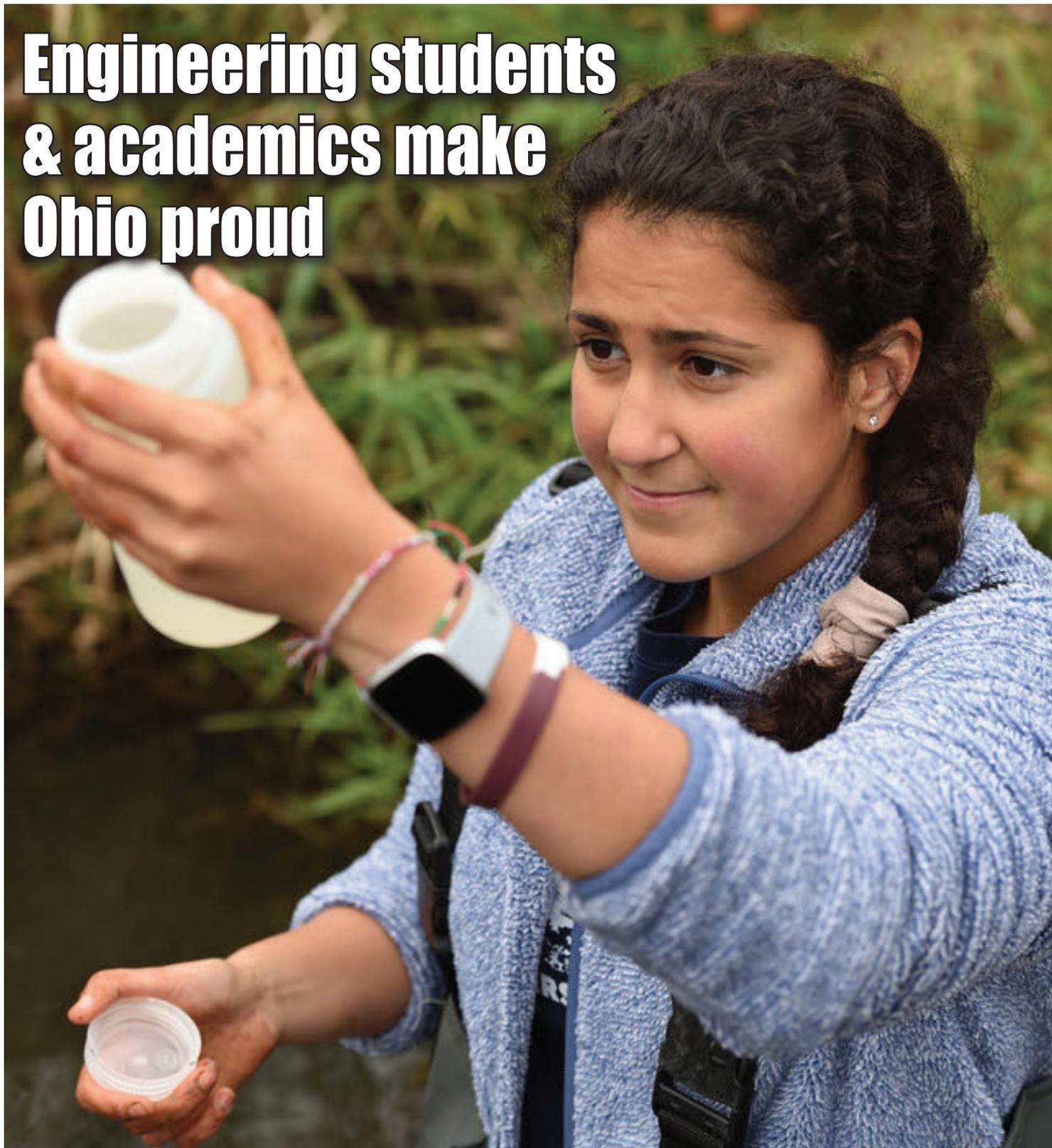
OhioENGINEER

Volume 79/Issue 4

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2019

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Editor

For more information, contact us at:
Ohio Society of Professional Engineers
400 South Fifth Street, Suite 300
Columbus, Ohio 43215

Voice..... (614) 223-1144
Members Toll Free (800) 654-9481
E-mail..... OSPE@OhioEngineer.com
Website..... www.OhioEngineer.com

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LEADERSHIP VIEWS

by *Chett A. Sieftring, PE, President,*
Engineers Foundation of Ohio



**Your challenge:
Do your peers a huge favor**

The Engineers Foundation of Ohio (EFO) offers several educational opportunities and community outreach programs yearly. The education programs help PEs effectively meet Ohio's continuing professional development (CPD) requirements, while the community outreach programs invaluablely introduce K-12 students to engineering.

In my 13 years of involvement with EFO, I have observed that several of the CPD attendees are the same, year after year. Often, they are the same individuals who participate in the community outreach programs, too.

I keep asking myself, "How can we reach *more* engineers who will benefit from these fantastic programs?" And I have questioned a number of engineers – both new and experienced – "Why are you missing out?"

Here are some of their reasons:

- "I have no time" due to work, family or social commitments,
- "It's too costly to attend in person,"
- "My employer won't support my participation," and
- "That's for old people."

In most cases, these "obstacles" are not insurmountable, and in the case of the cost question, that depends on your perspective. (Read on for details.) But that last reason makes me laugh; it is my personal favorite.

Let me confide in you, fellow PE: I cannot stress enough the benefits of in-person continuing education opportunities through EFO and the Ohio Society of Professional Engineers (OSPE)! We've got CPD hours designed to meet the State of Ohio's requirements, the ability to earn sev-

eral CPD hours at one conference and at a reduced rate for OSPE members (and some programs are free), face-to-face networking with industry leaders, access to technical resources, and the opportunity to learn about a new topic or gain an advanced understanding on a familiar subject. How can you afford to *not* participate?

In my experience, EFO does a very nice job offering presentations that benefit engineers from all disciplines. Our continuing education programs cover timely engineering topics from autonomous vehicles to using virtual reality in field services – among many other fascinating subjects. Additionally, EFO conferences and seminars typically include the mandatory ethics training that so many engineers are struggling to find at the eleventh hour before the close of the biennial PE license renewal period.

And the benefits of EFO's community outreach programs? Let me tell you!

EFO community outreach programs include MATHCOUNTS for sixth, seventh and eighth grade students, Imagine Engineering for second graders, and several scholarships to assist those working towards an engineering degree. Our outreach programs often are a student's first experience with the world of engineering and how the built world works.

No feeling is better than when you are so privileged to introduce a young mind to engineering and you see that initial spark of understanding. Nothing is more satisfying than igniting a student's interest in an exciting future, which may someday include a career in engineering. Nothing is better than helping parents and teachers understand the value and

See "Your challenge," page 3

On the cover:

In Summit County, University of Akron civil engineering student Noor Fahoum collects water samples to see if nutrient levels have decreased as a result of using a new, student-engineered device that removes phosphorous from water. *Photo credit: University of Akron. See feature, page 6.*



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David Dexter, PE, FNSPE, is a 'donor for all seasons'

The Ohio Society of Professional Engineers and Engineers Foundation of Ohio applaud David Dexter, PE, F.NSPE, a past president of both organizations, for donating blood for five decades.

In the last 20 years, Dexter has given blood, platelets and plasma, and in October 2019, he made his 300th lifetime donation at Community Blood Center in Dayton. (See photograph.)

"I started donating in the '70s, back when they had the steak dinners at the Masonic Lodge," said Dexter, whose unusual blood chemistry makes his donations invaluable to certain types of people. "I've got to where I'm doing more apheresis than whole blood."

Dexter retired in 2017 after 30 years as a consulting engineer with firms in Cincinnati and Columbus.



David Dexter, PE, FNSPE, makes his 300th lifetime donation at a Dayton blood center.

IN MEMORIAM

OSPE & EFO mourn the passing of Ron Eifert, PE

Surrounded by his family, longtime Ohio Society of Professional Engineers (OSPE) member Ronald W. "Ron" Eifert, PE, passed away November 26, 2019.

With a civil engineering degree from the University of Dayton, Eifert retired from Kor-da/Nemeth Engineering in 2009 as a partner of the firm.



Ron Eifert, PE

A former OSPE director and a recipient of the 2001 Meritorious Service Award, Eifert always remained a strong supporter of the Society's membership and legislative programs. He was also a member of the OSPE Franklin County Chapter, where he held positions as a trustee and committee chair in years past. Eifert actively sup-

ported the Engineers Foundation of Ohio's educational and outreach programs, including the National Engineering Design Challenge, among others.

Eifert was a graduate of St. Charles Prep, a 57-year member of St. Michael Catholic Church, and a member of the Knights of Columbus. He enjoyed golf, gardening, coaching and playing softball, coaching little league baseball and umpiring middle and high school baseball games.

Eifert is survived by Sharon, his loving wife of 59 years, children Laura, Ellen and Dan, six grandchildren and extended family. He was preceded in death by his parents, Arnold and Doris, and his son, John.

From "Your challenge," page 1

importance of engineers in protecting their families and students.

I challenge you: Discuss with your engineering peers a myriad of benefits of attending in-person educational opportunities and participating in community outreach programs. You will be doing them a huge service that will benefit both their careers and their whole lives.

As members of this noble profession, we should stress two things to our peers: First, there are both tangible and intangible benefits to attending in-person educational opportunities. And second, there is a great personal satisfaction that can only be obtained by expanding minds in community outreach programs.

Through EFO, we are growing better educated and more enriched PEs, we are helping to develop young students' intellects and, in some cases, we are fostering the next generation of engineers! Talk about leaving a legacy!

NSPE-OH™ OHIO SOCIETY OF PROFESSIONAL ENGINEERS

WELCOME, NEW MEMBERS

The Ohio Society of Professional Engineers welcomes 33 new members from October 12 through December 31, 2020:

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Andrew Hautman
Ralph O'Quinn, PE

Franklin County Chapter

Alix Bernier
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Mathew Clement
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Christopher Edward Reeg, PE
Cameron Blake Ringel
Alex Rogers
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Paul E. Rylatt, PE

Toledo Chapter

Jack B. Anderson, PE
Bethany Lewandowski, PE
Victor K. Samoei
Amy Zimmerman, PE

Pass the Hat for EFO

The Engineers Foundation of Ohio (EFO) Pass-The-Hat campaign is in full swing! EFO is dedicated to advancing engineering education in Ohio. Funds support EFO's programs that include: Imagine Engineering for second graders, MATHCOUNTS for middle school students, scholarships for college students and the Engineer as Leader professional training.

EFO is at 63 percent of its fiscal year 2020 goal of \$19,500.

To donate to EFO, please call 614-223-1177.



Thanks, Team EFO!

Thank you to our Engineers Foundation of Ohio sponsors for your support in fiscal year 2020:

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OhioENGINEER catches up with former 'mathlete' Andrew Body, Zanesville's new city auditor

Ohio MATHCOUNTS alumnus Andrew Body has successfully won his bid to become Zanesville City Auditor! OhioENGINEER magazine recently caught up with the former "mathlete" on the campaign trail.



Andrew Body

Having competed in regional and Ohio MATHCOUNTS competitions from 2002-2004, Body remarked, "MATHCOUNTS, the case can be made, is some of the best preparation I have had for the auditor position. Wading into dense financial statements for transactions with which I was not involved— the confidence I earned from MATHCOUNTS is going to be instrumental with that sort of ambiguity."

And Body has some advice for today's middle school students: "Beware of becoming too reliant on a calculator. You come to understand numbers and their elegant relationships to one another so much more intimately when you're forced to process the data manually rather than taking the shortcut to the answer."

OhioENGINEER was inspired to ask Body where his life had led him since we last encountered him as a student at West Muskingum Middle School in Zanesville.

Body describes himself as an educator with 11 years of experience in consulting and four years in publishing. However, his brief summary does not capture the breadth of his experience or the entirety of his impressive resume.

Digging deeper, OhioENGINEER learned that in 2013 Body graduated from Muskingum University, where he majored in political science and Spanish. After graduation he was hired at a prestigious medical technology firm in Wisconsin. Following this, Body returned to Ohio, where he began work at a tutoring firm in Columbus. Ultimately, he became vice president of the firm, which, under his leadership, ballooned in both its number of employees and in its dominance of the Central Ohio test preparation market.

Body next returned to school to earn his master's degree in business administration from The Ohio State University's Fisher College of Business.

On top of everything else, Body never forgot his math skills. In June 2017, he went on national television to showcase his abilities on the FOX show *SuperHuman*. There he was revered for computing equations faster than an electric calculator and, in fact, they billed him as the "Human Calculator."

"It was a surreal experience," Body remarked.

In August 2019, Body announced his plan to run as a write-in candidate for Zanesville City Auditor in the November election.

According to his interview with WHIZ News, Zanesville's NBC affiliate, Body's platform included minimizing waste and seeking out alternative financing, including grants.

"Zanesville is a city with a rich history that needs some rejuvenation," Body told OhioENGINEER. "We are losing many of our best young people to big cities because we currently lack white collar jobs."

When asked about the variety in his academic pursuits and career path, Body replied, "Intellectual curiosity is the underlying theme. A great many things have interested me throughout life, and I have enjoyed sampling many different industries and occupations. Life is too short to waste on monotony."

Perhaps Body's dynamic career will take him yet another direction? When he answered a tough math question successfully before the calculator on *SuperHuman*, celebrity panelist Mike Tyson quipped, "Want to move to Vegas?"

All jesting aside, Body told OhioENGINEER, "I am open to anything and everything. Opportunism, patience and an open mind have served me well so far."

"MATHCOUNTS, the case can be made, is some of the best preparation I have had for the auditor position." – Andrew Body



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Engineering students & academics make Ohio proud

University of Akron engineers develop tech that prevents power outages

A research team of faculty and students at the University of Akron's College of Engineering is developing a solution to identify faulty power lines in advance of an outage and isolate the place on the line that is damaged.

Under the leadership of Dr. Yilmaz Sozer and Dr. Jose Alexis De Abreu-Garcia, the team has developed a smart sensor that attaches to an underground power line. The technology works similar to shouting into a canyon and listening for the echo. The sensor injects a signal into a power line and measures the response, which determines if the line is healthy or damaged.

Cedarville University engineering students create custom prosthetic liners

While most amputees can be fit with a standard prosthetic liner for their residual limb, those with irregular limb shapes require a custom liner to reduce the load on the residual limb. Custom liners allow for longer wear with less irritation and chaffing, but the manufacturing process is tedious and usually requires five to 10 days turn-around-time. This fact inspired Cedarville University senior mechanical engineering students to partner with Optimus Prosthetics to increase efficien-

cies and reduce the manufacturing process time to one day using 3D printing technology. Students are working to improve patient satisfaction and reduce fabrication complexity and cost.

Wright State University student finds her life's direction with FBI internship

Computer science major Jacquelyn Smith is intrigued by the idea of putting together seemingly impossible puzzles. Smith's Wright State experience included the perfect internship for her — with the FBI's cyber division, which predicts and counters potential threats to America's digital infrastructure.

"Since this internship, I've had more direction in my life and my career path," Smith said. "I realized law enforcement was something I was truly interested in."

Smith's new career path now includes even more focused academic offerings — minors in mathematics and statistics and a cybersecurity analytics certification.

University of Mount Union opens three new engineering programs

The University of Mount Union's School of Engineering is preparing students to be career-ready through several innovative B.S. degree programs. With the addition of new programs in biomedical, computer and electrical engineering — added to the University's existing ABET-accredited programs in civil and mechanical engineering — students may now be trained to be leaders in five in-demand fields. Interdisciplinary collaboration with the University's strong programs in health sciences, mathematics and business generates hands-on learning opportunities for students. Through a required international field experience and Mount Union's strong foundation in the liberal arts tradition, students graduate with a well-rounded education and an unparalleled experience. Learn more at mountunion.edu/school-of-engineering.

Ohio University's rocket reaches 11,950 feet and 844 mph at Spaceport America Cup

Ohio University's rocket design and engineering team, the Astrocats, reached new heights with their first successful competition rocket launch at the international 2019 Spaceport America Cup competition in Las Cruces, New Mexico. Russ College of Engineering and Technology mechanical engineering undergraduates — Mitchell Brightman, Sean Killbane, Katie Messner, Cole Murttiff, Alex Polacek and Justin Sackett — and recent graduates — Archie Scott III, Tessa Berger, Travis Moleski and J.C. Kraml — joined more than 120 teams representing 17 different countries. The Astrocats' rocket reached an impressive height of 11,950 feet and a speed of Mach 1.1 (844 mph). The team's success has helped them gain entry into the 2020 competition.

Ohio State students learn about humanitarian engineering in Guatemala

During an Ohio State University service-learning trip to the Lake Atitlán region of Guatemala, biomedical engineering major Tommy Carballada was moved by one woman's story of walking four hours each way just to get the water she needs to survive.

"It was eye-opening...how drastically different the level of comfort of my life here, versus the work that it takes just to survive there," said Carballada.

Ten students, mostly engineering majors, participated in the Guatemala Engineering Service-Learning program last May. The program allows students to learn about humanitarian engineering through a meaningful, international engineering experience. Learn more at <https://go.osu.edu/guatemala>.

University of Toledo students design device to help actor do his job

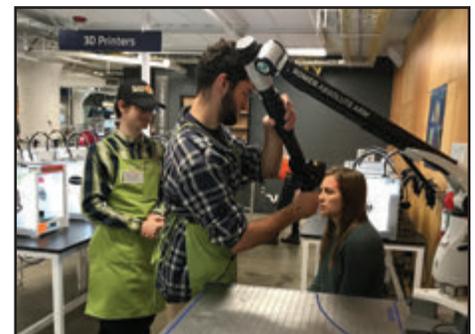
University of Toledo engineering seniors have designed a device for actor Joel



"Pathfinder," an electric vehicle created by Ohio University's student group PAVE (Professional Autonomous Vehicle Engineers) zips across the green.



Ohio State students help kids with STEM learning activities at a Guatemalan preschool.



Case Western Reserve University students use the campus' innovation center to perform a 3D scan of a student's head, which will be used for a laser printing project.

EDUCATION & TECHNOLOGY

Rodriguez, who has muscular dystrophy and uses a wheelchair, to more expressively conduct his arms. The device fits on Rodriguez's wheelchair and improves his range of motion for both stage use and everyday life. Resting his elbow and forearm on the device, Rodriguez can swivel it left and right, and he can extend it to reach for and retrieve something. It would cost about \$65 to duplicate the device, which includes parts created with a 3D printer and thermoplastic. The engineering team is presenting the prototype at the Kennedy Center American College Theater festival in January 2020.

NSF award will aid Cleveland State educator's research on human tissues

In Cleveland State University's Department of Chemical and Biomedical Engineering, Dr. Chandra Kothapalli has been awarded \$299,873 by the National Science Foundation for research on polymer nanoparticles to support repair of injured human tissues. Dr. Kothapalli and his research partner, Anand Ramamurthi of the Cleveland Clinic's Lerner Research Institute, are investigating the use of surface-functionalized polymer nanoparticles to assist with the formation of elastic fibers during the healing process. Adult cells often have difficulty generating these elastic fibers, which are critical to

providing tissue stretch and recoil. This is a particular issue with conditions such as abdominal aortic aneurysms, which are localized expansions of the aorta wall.

Case Western has world's largest campus innovation center & lots of research faculty

The Case School of Engineering has a proud 125-year history as one of America's top engineering schools. More than 100 full-time faculty represent the best in their fields — and they are at the forefront of breakthroughs in industrial IoT (internet of things) solutions, sensation-restoring prosthetics, temperature-resistant adhesives, bio-inspired robotics and much more.

With 14 majors across seven departments, the classroom is only the beginning. Case Western Reserve University is also home to the world's largest campus-based innovation center: Sears think[box] is a 50,000-square-foot epicenter of innovation that provides tremendous resources to bring great ideas to life. Learn more at engineering.case.edu.

Ohio Northern University's faculty-student relationships pay dividends

At Ohio Northern University (ONU), learning expands outside the engineering classroom as students and professors collaborate and innovate together. Full-time, tenure-track professors advise ONU's

award-winning competition teams and student organizations. They encourage students to use their engineering expertise to tackle local service projects. They engage students in their research projects, providing opportunities to co-author papers and present at regional and national conferences. Also, the new James Lehr Kennedy Engineering Building offers optimal project workspace and labs for nurturing faculty-student relationships.

By making teaching a top priority, ONU professors ensure that students graduate as well-rounded engineers. For more program information, visit onu.edu/engineering.

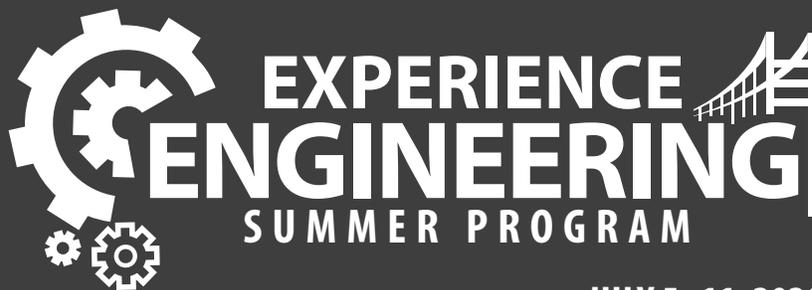
Miami focuses on undergraduate education

Miami University is known nationally for its focus on undergraduate education. In the College of Engineering and Computing (CEC) all classes and laboratories are taught by professors, not graduate students. Undergraduates interested in research can work alongside professors in their laboratories researching in areas as diverse as 3D-printing biomaterial for bone replacement, forecasting the spread of mosquito-borne viruses, using virtual reality to study balance and radar projects with the Air Force. CEC students get the

See "Education & Technology," page 8



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With two new scholarships, EFO breaks its record for available student funding

Each year the Engineers Foundation of Ohio (EFO) offers scholarships to top engineering students in Ohio. And with the addition of two new scholarships, EFO is now able to offer more money than ever — \$32,300 in academic scholarships — to qualifying engineering students.

The new scholarships available for the 2020-2021 academic year are the Joe Niedecken, PE, "Pay It Forward" - University of Cincinnati Memorial Scholarship and the Roger Loveless, PE, Memorial Scholarship.

As an engineering student, Joe Niedecken had received an EFO scholarship, and he wanted to pass along that gift. Niedecken graduated magna cum laude from the University of Cincinnati (UC) in 1988 with a bachelor of science degree in chemical engineering. As a licensed professional engineer, he was known for his commitment to safety and he had a distinguished career in the petroleum and refining industries, which spanned nearly 30 years. Niedecken's family also speaks a great deal about his compassion and his giving nature, which they honored by establishing the "Pay It Forward" scholarship for UC students.



Joe Niedecken, PE

Roger Loveless, PE, was a graduate from The Ohio State University with a degree in civil engineering. Loveless' career included being a major in the Army Corps of Engineers. He retired as the chairman of Alden E. Stilson & Associates Profes-



Roger Loveless, PE

sional Engineers and Surveyors. Loveless was a past president of the Ohio Society of Professional Engineers, and he served as a director of the National Society of Professional Engineers. The scholarship bearing Loveless' name can be awarded to college freshmen, sophomores, juniors or seniors in Ohio engineering programs.

To qualify for EFO scholarships, applicants must be U.S. citizens, permanent residents of Ohio, and graduating high school seniors or juniors or seniors in an engineering program approved by the Accreditation Board of Engineering and Technology (ABET) at an Ohio engineering college or Notre Dame. Candidates must have minimum SAT scores of 600 in math and 500 in reading or composition (or ACT scores of 29 in math and 25 in English) and at least a 3.0 GPA. Additional criteria apply for some scholarships.

The Lloyd A Chacey, PE, Memorial Scholarship provides \$2,000 annual grants to college juniors and seniors who must apply in their sophomore year. Applicants must be a son, daughter, brother, sister, spouse or grandchild of a current member of the Ohio Society of Professional Engineers.

From "Education & Technology," page 7

full benefit of Miami's broad liberal arts education ensuring they graduate as well rounded technical engineers/computer science problem solvers.

Youngstown State University leads the way in additive manufacturing

Youngstown State University College of Science, Technology, Engineering and Mathematics is a leader in the additive manufacturing/3D printing industry and is dedicated to hands-on student learning and engagement through research experiences. YSU is one of the only universities in the U.S. to offer access to all seven additive manufacturing processes. Their capabilities have led to research partnerships spanning the globe and millions in grant funding. YSU was designated an Alliance Partner of the National Center for Defense Manufacturing and Machining, further strengthening the University's reputation as a leader in additive manufacturing and workforce training.

University of Dayton's student incubator sees its first patent for Freedom Brace

With help from Leonardo Enterprises, a University of Dayton student innovation incubator, senior Spencer Janning will graduate with a diploma as well as a patent and Food and Drug Administration registration for his Freedom Brace. Janning designed the device for a child with cerebral palsy to keep her legs from crossing in

Ohio legislators speak at the Southwest Ohio Chapter meeting



L-R: State Representative Jessica Miranda and State Senator Louis W. Blessing, III, PE, socialize with John Banton, PE, FNSPE, an OSPE past president. The two Ohio legislators met with OSPE's Southwest Ohio Chapter in Sharonville before Thanksgiving. Each spoke to the Chapter for 30 minutes and answered members' legislative questions.

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ways that could cause hip problems.

"This is how we envisioned Leonardo Enterprises — from hatching an idea to providing a boost to taking flight. This is our first patent, and Spencer is the first to launch online sales," said Emily Fehrman Cory, Leonardo Enterprises director.

University of Cincinnati students provide adaptive technology for veterans

University of Cincinnati engineering students collaborated with a nonprofit, Quality of Life Plus, to help veterans with accessibility issues. Students designed and built an aluminum-framed winch that allows a U.S. Army veteran to attach and detach a heavy scooter lift to the back of his

truck without assistance. Students also designed and built (using a 3D printer) a custom bike brake for a U.S. Army veteran and avid cyclist who has trouble gripping handbrakes. Now she can simply lean back against her new seat device to brake.

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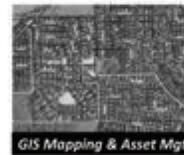
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LEGISLATIVE & GOVERNMENT AFFAIRS

by Joseph V. Warino PE, PS, FNSPE, VP, Legislative & Government Affairs, OSPE



I resolve ...

The end of 2019 prompted me to reflect back on the year's happenings. This exercise led me to think about what exactly I would do if I were given the chance to have a "do over."

Looking back, the Legislative and Government Committee of the Ohio Society of Professional Engineers (OSPE) took to task the review of 13 House bills, and 11 Senate bills in 2019. Our Committee formally addressed one bill dealing with the safety of amusement rides (Tyler's Law) and a number of other bills dealing with the future of licensure in Ohio.

One of the greatest success stories of 2019 was the ability of OSPE – through a tremendous lobbying effort by our membership – to win a seat for a PE on the Ohio Advisory Council on Amusement Ride Safety. Another positive outcome was the substantial support offered by OSPE members in addressing various bills calling for the degradation of Ohio's licensure laws. To the many members who stepped up to the plate to assist in

this effort, I offer you my heartfelt thanks on behalf of OSPE.

Now, looking to 2020 and the future beyond, let us resolve to undertake these simple but effective measures to improving ourselves and the world around us:

- **Get to know your local legislators.** Start with a basic phone call or a letter. Just say that you would be happy to serve as their resource for engineering or technical issues. (OSPE can help you locate your legislator and provide template resources like suggested wording for a letter of introduction.)
- **Invite your legislators to a local chapter social event.** This is an opportunity to grow your relationship. (Take photos for OhioENGINEER.)
- **Plan a special event to celebrate Engineers Week, February 16-22,** to build a sense of community with engineering colleagues and their families and friends. (If you've never done

this before, contact OSPE for ideas or guidance in getting started.)

- **Participate in OSPE and Engineers Foundation of Ohio programs that interest you most.** Examples might include OSPE's Ethics Committee, Legislative and Government Affairs Committee and awards program, as well as EFO's Scholarship Committee and various educational sessions, among other opportunities. In this way you will benefit the profession, serve local communities, deepen your understanding of the issues that impact our profession, learn, grow and network with some fantastic PE peers.
- **Volunteer to speak about engineering at a local high school career day.** This is another great way to serve your community and help orient young minds to the possibilities of an engineering career! (Again, get photos for OhioENGINEER.)
- **Support the legislative and community outreach efforts of OSPE.** For example, plan to participate in OSPE's Legislative Day program this spring (date to be announced) and visit your legislators at their Statehouse offices!

OSPE's Political Action Committee supports 10 candidates for 2020 elections

The Ohio Society of Professional Engineers' Political Action Committee is supporting the following candidates for office in the 2020 Primary and General Elections:

- Representative Niraj Antani (R) – Running for Ohio Senate District #6
- Senator Louis Blessing (R) – Running for Ohio Senate District #8
- Senator Theresa Gavarone (R) – Running for Ohio Senate District #2
- Senator Bob Hackett (R) – Running for Ohio Senate District #10
- Representative Paula Hicks-Hudson (D) – Running for Ohio House District #44
- Senator Matt Huffman (R) – Running for Ohio Senate District #12
- Representative Susan Manchester (R) – Running for Ohio House District #84
- Representative Jessica Miranda (D) – Running for Ohio House District #28
- Representative Bill Reineke (R) – Running for Ohio Senate District #26
- Representative Michael Sheehy (D) – Running for Ohio House District #46

By selecting one or all of these for your New Year's resolution(s), you would help OSPE strengthen our profession, and you would be exemplifying stellar professional engineering behavior!

As we witness a major push for the relaxation of licensure laws in Ohio and around the country, I implore you: Advocate for our profession in any way that you can. Help us educate legislators on the importance of PEs and tell them about our involvement in their daily lives and the lives of their constituents. OSPE is happy to prepare talking points for your use.

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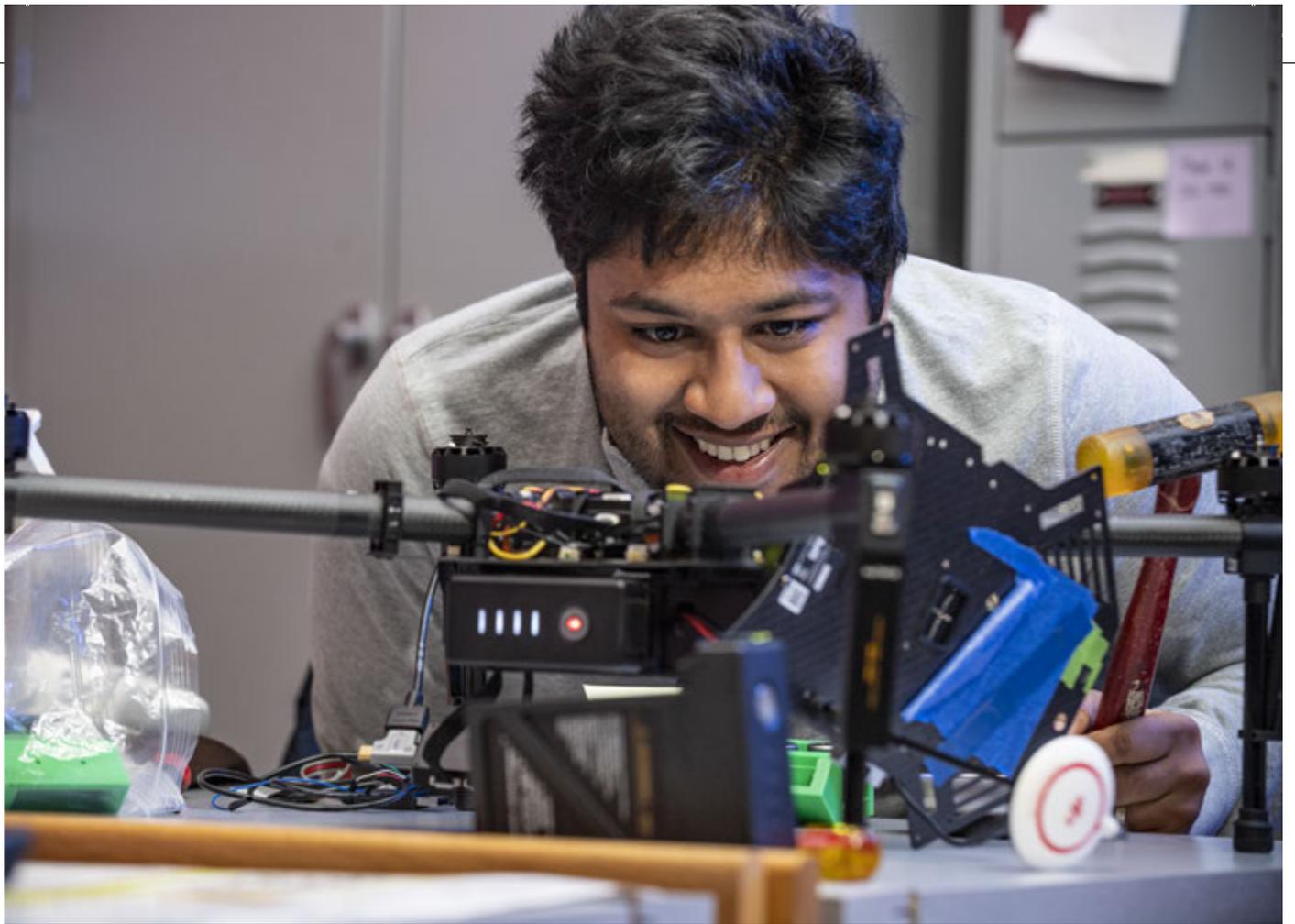
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OSPE bill tracking summary

REDUCE REGULATORY RESTRICTIONS, House Bill 115 (Riedel, Roemer) & Senate Bill 1 (McColley, Roegner)	To require certain agencies to reduce the number of regulatory restrictions.	<u>Status:</u> HB 115: 4/10/2019 - House State & Local Government (2nd Hearing). SB 1: 6/12/2019 - House State & Local Government (1st Hearing)
MILITARY-TEMPORARY LICENSURE, House Bill 133 (Perales, Weinstein), Senate Bill 7 (Lehner, Hackett)	To require state occupational licensing agencies, under certain circumstances, to issue temporary licenses or certificates to members of the military & spouses who are licensed in another jurisdiction & have moved to Ohio for military duty.	<u>Status:</u> HB 133: 10/2/2019 - Senate Transportation, Commerce & Workforce (1st Hearing). SB 7: 1/17/2020 - Sent to Governor for signature
INDEMNITY PROVISIONS, House Bill 159 (Blessing)	To regulate the use of indemnity provisions in professional design contracts related to public improvements.	<u>Status:</u> 4/30/2019 - House Civil Justice (2nd Hearing) <u>Position:</u> Support
AMUSEMENT RIDE SAFETY, House Bill 189 (Patterson, Blessing)	To revise the laws governing amusement ride operation & safety, to designate this act as "Tyler's Law," & to declare an emergency.	<u>Status:</u> 11/6/2019 - Signed by Governor; effective immediately <u>Position:</u> Support
OCCUPATIONAL LICENSE-APPRENTICESHIP, House Bill 258 (Powell)	To require a licensing authority to issue an occupational license to an applicant who completes a registered apprenticeship program & meets other requirements for licensure.	<u>Status:</u> 6/5/2019 - House Economic & Workforce Development (1st Hearing) <u>Position:</u> Oppose
OCCUPATIONAL LICENSING-CRIMINAL CONVICTIONS, House Bill 263 (Koehler)	To revise the initial occupational licensing restrictions applicable to individuals convicted of criminal offenses.	<u>Status:</u> 12/11/2019 - Bill amended in House Commerce & Labor (4th Hearing). <u>Position:</u> Oppose
DRAINAGE LAW, House Bill 340 (Cupp)	To revise the state's drainage laws.	<u>Status:</u> 1/22/2020 - House State & Local Government (2nd hearing)
CONTRACTOR PAYMENT DEADLINE (Cross, Sweeney), House Bill 380	To require owners of construction projects to pay a contractor within 35 days of receiving a request for payment.	<u>Status:</u> 12/11/2019 - House Commerce & Labor (2nd hearing)
INTERIOR DESIGN EXAMINERS BOARD, House Bill 402 (Lang, Sweeney)	To create the Ohio Interior Design Examiners Board to certify & regulate interior designers.	<u>Status:</u> 11/12/2019 - Referred to House State & Local Government
OCCUPATIONAL LICENSE RECIPROCITY (Powell, Lang), House Bill 432 & Senate Bill 246 (Roegner, McColley)	To require an occupational licensing authority to issue a license or government certification to an applicant who holds a license, government certification, or private certification or has satisfactory work experience in another state under certain circumstances.	<u>Status:</u> HB 432: 12/11/2019 - House State & Local Government (1st hearing). SB 246: 1/22/2020 - Senate Government & Agency Review (2nd hearing) <u>Position:</u> Interested Party with Concerns
OCCUPATIONAL REGULATIONS (Wilkins, Stephens), House Bill 452	To revise & streamline the state's occupational regulations.	<u>Status:</u> 12/17/2019 - Introduced
STATEWIDE WATERSHED PLANNING, Senate Bill 2 (Peterson, Dolan)	To create a statewide watershed planning structure for watershed programs to be implemented by local soil & water conservation districts.	<u>Status:</u> 1/22/2020 - House Energy & Natural Resources (3rd Hearing).
SCHOOL FACILITIES ASSISTANCE, Senate Bill 4 (Rulli)	To make a capital appropriation for school facilities assistance.	<u>Status:</u> 7/23/2019 - Re-referred to committee
PUNITIVE / EXEMPLARY DAMAGES LIMITATION EXEMPTIONS, Senate Bill 46 (Eklund)	To expand the exemption from punitive or exemplary damages limitations in tort law that is related to certain felony convictions.	<u>Status:</u> 3/19/2019 - Senate Government Oversight & Reform (2nd Hearing)
REGISTERED DESIGN PROFESSIONALS, Senate Bill 136 (Hottinger, Sykes)	To establish a payment assurance program for registered design professionals.	<u>Status:</u> 11/20/2019 - Senate Government Oversight & Reform (2nd Hearing)
WORKFORCE-EDUCATION PARTNERSHIPS (Coley), Senate Bill 181	To require the Chancellor of Higher Education to create a template for workforce-education partnership programs.	<u>Status:</u> 11/6/2019 - Passed by Senate, 33-0
APPRENTICE PROGRAM (Williams), Senate Bill 219	To establish a career pathways apprentice program.	<u>Status:</u> 10/23/2019 - Referred to Senate Education



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