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Engineers Week
Feb 18-24, 2024

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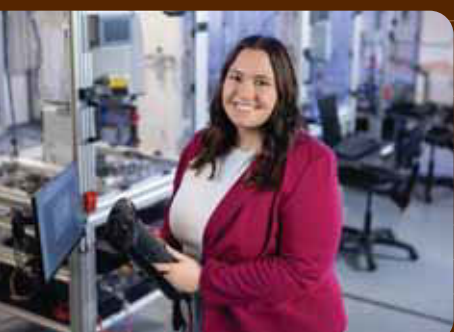
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TRSPE PRESIDENT'S E-WEEK MESSAGE

Ahmed Hamid, PE



Welcome to National Engineers Week 2024! National Engineers Week is a celebration of the importance of the engineering profession realized by the National Society of Professional Engineers (NSPE). This year's theme is "Welcome to the Future!"

This year's theme "Welcome to the Future" is about celebrating today's accomplishments and paving the way for a brighter and more diverse future in engineering. It is also about appreciating all the hard work and commitment by engineers worldwide to lead us to a better and more prosperous future for all. Part of our obligations as engineers is to serve humanity by making the best use of the Earth's precious wealth for a better world. Our skills and knowledge shall always be given without reservation for the public good and this is what we must do to welcome the future!

National Engineers Week has been celebrated since 1951 in conjunction with the birthday of our first President, George Washington, who is considered our nation's first engineer. This year marks the 73rd Anniversary of this national celebration. The purpose of the week-long celebration is to call attention to the important contributions engineers make to society as well as emphasize the importance of education in the fields of math, science, and technical skills.

Toledo Regional Society of Professional Engineers (TRSPE), the local chapter of both the Ohio Society of Professional Engineers (OSPE) and NSPE, is a proud supporter of National Engineers Week. TRSPE cooperates with other local, state, and national engineering societies to "hold paramount the safety, health, and welfare of the public" and for the advancement of the public welfare and the promotion of the professional, social, economic, and scientific interests of the Professional Engineer and Surveyor. TRSPE holds regular meetings for members to discuss a wide range of topics to continue professional development and keep up-to-date with legislation affecting professional engineers. TRSPE represents the northern Ohio area, consisting of Lucas, Wood, Ottawa, Sandusky, Erie, Seneca, Allen, Hancock, Hardin, Wyandot, and Huron Counties. To learn more about TRSPE or to join us for one of our events, please visit www.trspeohio.com.

We are fortunate to have widespread involvement in the Toledo region, both during and leading up to Engineers Week. The annual local MATHCOUNTS competition was held on February 3rd, at the University of Toledo, College of Engineering. This year, students from nine elementary and middle schools competed for a chance to advance to the state competition in the team and individual categories.

Local high school students will have the opportunity to observe engineers at work during "Engineer for a Day" on Tuesday, February 20, 2024, with the help of engineering professionals and businesses from around the area. In our continuing effort to broaden the horizon of "Welcome to the Future", UT will host Girl Day on Friday, February 23, 2024 and Friday, March 22, 2024 with assistance from local women who are engineering professionals.

We will honor our local 2024 Engineer of the Year award winner at our celebratory banquet, returning to Parkway Place, Maumee, Ohio on Thursday, February 22nd. We will also be recognizing a long-standing member of NSPE for his outstanding national, state and local support to TRSPE. This year, our banquet keynote speaker will be Ms. Megan Bendtzen. You can find more information about Engineers Week by visiting www.trspeohio.com/eweek.

We invite you to help in "Welcome to the Future" and join us in celebrating the engineering profession by participating in our Engineers Week activities. We also welcome you to join TRSPE at www.trspeohio.com/join-trspe. Members receive great discounts on products and services through OSPE, including an automatic 30%-50% discount on all OSPE and Engineers Foundation of Ohio (EFO) CPD educational programs.

2024 ENGINEERS WEEK COMMITTEE

General Chair: Ahmed Hamid, PE

Elected Officials Liaison: Laurie Adams, PE – Chair

Engineer for a Day: Drew Mekus, PE, Shelly Nielsen & Bryan Bosch – Co-Chairs

Engineer of the Year Selection:

Laurie Adams, PE – Chair

Fred Tito, PE

Ahmed Hamid (TRSPE President)

Vince DiPofi (2022 EOY)

Khalid Al-Olimat (2023 EOY)

Event Coordination: Carrie Powers

Facilities/Reservations: Denise Krupp

Fundraising /Sponsorship: Gabrielle Michel, EI – Chair

MATHCOUNTS: Adrienne Taylor, PE & Bernadette Caris – Co-Chairs

Publicity: Ahmed Hamid, PE – Chair

Scholarship Selection: Richard Springman, PE & Bryan Bosch – Co-Chairs

Treasurer: Fred Tito, PE

TRSPE President: Ahmed Hamid, PE

UT Liaison: Bryan Bosch

A LETTER FROM THE UNIVERSITY OF TOLEDO

Matthew Franchetti, PhD, PE Associate Dean for Undergraduate Studies



As the Associate Dean of Undergraduate Studies for The University of Toledo's College of Engineering, I always look forward to celebrating National Engineers Week.

The Toledo region's celebration of E-Week is always one of the best in the nation and provides our college the opportunity to celebrate the strong engineering community in our region, to have engineering students connect with industry professionals and to have middle and high school students learn about what a future career in engineering could mean to them.

We again celebrate the tradition of bringing regional engineering firms and local high school students together for our Engineer for a Day program. These high school students will visit our college, experience engineering related hands-on activities to help them learn about different engineering disciplines and participate in a "lunch and learn" with industry partners, and then join those industries for an afternoon of job shadowing at their firms.

And once again, the College of Engineering will host over 700 young women from over a dozen regional middle schools as part of our local celebration of the Discover-E's Introduce a Girl to Engineering Day. As always, our collaborations with regional engineering firms and engineering student organizations at UToledo play a big role in the success of this award-winning event. Due to the number of students participating, this has turned into a two-day event to host all of the students that are interested in attending.

We were thrilled to welcome our students back from their winter break to begin the spring 2024 semester in our newly renovated North Engineering building. Fifteen classrooms make up the new learning space with classroom capacities varying from 20 to 100 people. In addition, 12 research and teaching labs, a makerspace, Formula race car lab and student areas make this the newest engineering education facility in the State of Ohio.

Our integrated co-op program, one of eight in the nation, helps the College of Engineering continue to help meet our region and our nation's workforce needs by producing high-quality graduates with a full year of full-time, paid co-op experience under their belts. The full-time professionals in our Rasesh and Shilpa Shah Center for Engineering Career Development continue to help place over 1500 student co-op positions each year. Hundreds of regional employers participate in our bi-annual Engineering Career Expos because they know hiring our co-op students is the best way to secure permanent employees who are ready to hit the ground running and are excited to start and end their careers in our region.

The College of Engineering is continuing to launch new degree programs to meet the workforce needs of tomorrow, including a new Bachelor of Science in Computer Science, a Bachelor of Science in Cybersecurity to build on our current Master of Science in Cybersecurity, and a Master of Science in Mechatronics (aka robotics and automation) to build on our current graduate certificate in Vehicle Mechatronics.

We recently cut the ribbon on the Office of Student Success, Outreach and Engagement with the generous donation by SSOE and the Vince Dipofi (Mechanical Engineering, '85) family, as they each made major, multiyear investments into the College of Engineering's initiatives to strengthen diversity and inclusion. This office works to ensure the future success of students that perhaps have not been exposed to the curriculum or support necessary to succeed in engineering. Our pre-engineering focus prepares them for the rigors of the engineering curriculum, and we are seeing strong success with these students.

Here at the UToledo College of Engineering, we are dedicated to the success of all of our students, our industry partners, and the Toledo region. We invite you to reach out to us for ways that we can partner with you to meet these goals!

Happy National Engineers Week!

PAST ENGINEER OF THE YEAR

1955 Henry Kerr, PE	1977 Eugene Kasper, PE	1999 William Hupp, PE, F.NSPE
1956 Delos Palmer, Sr., PE	1978 DeForest Trautman, PhD	2000 Raymond Huber, PE, PS
1957 E. G. deCoriolis, PE	1979 Raymond Peterson, PE	2001 Jaan Mannik, PE
1958 Julian Toulouse, PE	1980 William Hasselbach, PE	2002 Robert Harold, PE
1959 Ernest Thurston, PE	1981 Carrol Cone, PE	2003 Nagi Naganathan, PhD
1960 Ernest Weaver, Sr., PE	1982 Rodger Rogers, PE	2004 Warren E Henry, PE
1961 Thomas Henry, PE	1983 Delos Palmer, Jr., PE	2005 Brian Randolph, PhD, PE
1962 Clyde Balch, PE	1984 James Farison, PhD, PE	2006 Daniel Walch, PE
1963 Raymond Reese, PE	1985 Richard MacAdams, PE	2007 Frederick Tito, PE
1964 William Sanzenbacher, PE	1986 Leslie Lahti, PhD, PE	2008 Donald Warner, PE
1965 Robert Wallace, PE	1987 Gary Long, PE	2009 C. Michael Smith, PE
1966 Alfred Samborn, PE, F.NSPE	1988 Felix Leruth, PE, F.NSPE	2010 John H. Hull, PE, BCEE
1967 Lester Smith, PhD, PE	1989 Robert Avery, PE	2011 Richard A. Springman, PE
1968 Roy Nyquist, PhD, PE	1990 James Kamm, PhD, PE	2012 Robert S. Ruse, PhD, PE
1969 Charles Pettis, PE	1991 Clarence Tyler, PE	2013 Dale A. Gaerke, PE
1970 O. Wm. Muckenhirn, PhD, PE	1992 James Lacksonen, PhD, PE	2014 Keith E. Earley, PE, PS
1971 Herbert Thober, PE	1993 Gregory Aubell, PE, PS	2015 Douglas L. Dariano, PE
1972 Frederick Miller, PE	1994 Daniel Robins, PE	2016 Kent D. Buehrer, PE, F.NSPE
1973 William Schwalbert, PE	1995 Norman Koenigseker, PE	2017 Daniel V. Stark, PE
1974 John McKinney, PE	1996 Thomas Uhler, PE	2018 Richard S. Martinko, PE
1975 Robert Tyner, PE	1997 Dean Diver, PE	2019 Laurie Adams, PE
1976 Lewis Thomas, PE	1998 J. Richard Hoppenjans, PE	2020 Michael Gramza, PE
		2021 Gregg Simon, PE
		2022 Vince DiPofi, PE
		2023 Khalid S. Al-Olimat, PhD, PE

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DISCOVER ENGINEERS WEEK
FEBRUARY 18-24, 2024

A MESSAGE FROM OHIO NORTHERN UNIVERSITY

John-David Yoder, PhD Dean of the College of Engineering



Engineers' week at Ohio Northern University is a great opportunity for us to celebrate the profession. Our signature event always kicks off engineers week and is the Spotts Lecture. This lecture series, started in 1986, brings national-level speakers to discuss the future of the engineering profession with our students. Student organizations work together to provide a variety of fun activities for the remainder of the week.

This year's Spotts Lecture is titled "Who are you Engineering For?" and will be presented by alumna **Joanna Pinkerton, PE**, who currently serves as President/CEO of the Central Ohio Transit Authority (COTA). Ms. Pinkerton has had a long and distinguished career in the transportation field, including serving as Chief Operations Officer at the Transportation Research Center Inc., the nation's largest independent automotive proving ground and vehicle development and testing center, and home to the U.S. Department of Transportation's National Highway Transportation Safety Administration (NHTSA) Vehicle Research Test Center.



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KEYNOTE SPEAKER

Megan Bendtzen Engineering Unplugged: A PE's Playbook For A Happier Life

Megan Bendtzen walked away from her successful 25-year corporate career as a former Fortune 100 work zombie and is now the CEO and Founder of TheDoctorofFun.com. Her mission is to help overworked, busy professionals resuscitate from burnout and inject fun and joy into their daily grind so that they have happier, more fulfilling lives and more meaningful relationships.

As the creator and host of a groundbreaking Personal Development Game Show in a recurring segment on ABC, along with her arsenal of unique games and guides, Megan has helped thousands of people discover the Prescription for Happiness and Cure for the Common Life. By cleverly combining the powers of Neuroscience and Funology, she will challenge conventional thinking and inspire you to get serious about fun! Her work has been featured on NBC, Fox, ABC, iHeart Radio, The Unstoppable Female Entrepreneur Summit and many other media outlets and podcasts, showcasing her ability to bring positive change through the transformative power of fun.



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2024 TOLEDO AREA ENGINEER OF THE YEAR

T. Michael Toole, PhD, PE

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Congratulations to this year's
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Dr. T. Michael Toole, PE (PA), F. ASCE.
Dean, College of Engineering Professor of
Civil & Environmental Engineering
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Growing up in Rochester, New York, T. Michael Toole (he goes by Mike) applied to civil engineering programs because his high school guidance counselor advised him to do so after noting his math SAT score was high and his verbal SAT score was mediocre. With a chuckle, Toole agrees, "This was a terrible reason to choose a career, but I have never regretted it."

In fact, Toole proudly tells students in his engineering ethics lectures that the day in 1987 when he became a Professional Engineer was one of the best days of his life. Toole later earned an M.S. in Civil Engineering and Ph.D in Technology Strategy at MIT, after serving five years active duty as an officer in the U.S. Navy Civil Engineers Corps. His two tours in the Navy included deployments with a SEABEE Battalion to Guam, Puerto Rico, and Guantanamo Bay, Cuba as well as time in southern and northern California.

"Did I enjoy every minute of my years in the Navy? Heck no!" says Toole. "But am I proud I was able to serve my country, see the world a bit, and serve as a company commander over 85 SEABEE troops at age 23? You bet!"

Toole is currently the Dean of the College of Engineering at The University of Toledo. The College's enrollment of approximately 2500 undergraduate and 230 graduate (master's and PhD) students includes six academic departments offering 23 degree programs, 70 full-time faculty, 30 part-time instructors, a dedicated Shah Center for Engineering Career Development that places 1500 full-time co-ops per year, and an industrial testing and research center. Research expenditures average \$10M per year, including by seven research engineers who work full-time at the NASA Glenn Research Center.

Toole recognizes the leadership privilege he enjoys. "I am truly honored to be leading a college that not only provides Ohio employers with the diverse talent they need, but also performs cutting edge research that serves the economic and defense needs of our nation. I wish more high school students recognized the quality engineering education that we provide for a small fraction of what many universities charge."

Before becoming a Dean at UToledo in August 2017, Dr. Toole spent 18 years at Bucknell University, where his positions included Associate Dean of Engineering, Professor of Civil and Environmental Engineering, Director of the Grand Challenges Scholars Program, and Director of the Institute for Leadership in Technology and Management. His scholarship focuses on Prevention through Design, in which designers explicitly consider the safety of construction and maintenance workers. He initiated www.designforconstructionsafety.org and has published over 25 peer-reviewed publications that have been cited over 2500 times. An accomplished speaker, Toole has given over 50 invited presentations to professional audiences in the U.S. and Canada.

Toole acknowledges that motivating design professionals to try to reduce construction hazards through their design choices is not easy. "There are substantial reasons why designers may hesitate to adopt construction and maintenance safety as a design criterion, including fear of liability, additional costs, and the fact that that they have never received formal training in this area. My presentations and publications make the case that designing for safety is the right thing to do because it saves lives and the smart thing to do because it saves owners and contractors money."

Toole's previous professional experiences include serving as a Purchasing Manager with a large publicly traded developer/homebuilder and as a Director and Vice President with a multidisciplinary engineering firm, both located in the Chicago region.

"My years on construction sites with the Navy and my for-profit industry experience definitely made me a better engineer, a better professor, and a better Dean," says Toole.

Toole's current board memberships include the Executive Board of the American Society for Engineering Education Engineering Deans Council and the Board of the Better Business Bureau of NW Ohio and SE Michigan. Recent past boards include Chair of the Ohio Engineering Deans Council, the Engineering Foundation of Ohio, and the Toledo Region Society of Professional Engineers. Past honors include being elected a Fellow within the American Society of Civil Engineers (ASCE), receiving Best Paper awards from an ASCE journal and an ASCE conference, receiving the Class of 1956 Teaching Award, and being nominated by Bucknell for the U.S. Professor of the Year award. He is a member of the Order of the Engineer and six national honor societies.

In addition to his professional accomplishments, Mike has been married to Amy Toole for 37 years. Amy resigned her position as a Chemistry Lecturer at The University of Toledo in 2023 to spend more time with their two adult children and a grandchild born last June. "Being called Dad and soon 'Pops' by my granddaughter are parts of my life I would not trade for the world," Toole exclaims.

When asked about receiving the Engineer of the Year award, Mike said, "I am proud of the medals I was awarded in the Navy and various honors I have received as a professor and scholar, but this award is truly special. The engineering community in Northwest Ohio is one of the most committed and cohesive in our nation. Past Engineer of the Year recipients are individuals who have inspired me through their strong professional achievements and dedication to our community. That I am considered worthy of joining this elite group of professionals is gratifying in so many ways. It reflects well on UToledo's College of Engineering and the excellent faculty and staff working hard every day to launch engineering careers."



TEAMS

Team Rank: 1st

Team: Perrysburg Junior High School

Coach: Kyle Zwyer

Rank	Student
4	Paul Davies
6	Eric Sun
7	Ean Wilson
12	Hasrith Chatla

Team Rank: 2nd

Team: Arbor Hills Junior High School

Coach: Julie Young

3	Jonah Bourell
8	Andrew Breidenbach
21	Madeline Boden
23	Levi Lautzenheiser

TOP 10 INDIVIDUALS

Rank	Student
1st	Jacob Knecht

School: Timberstone Junior High School

Coach: Sharon Gray

Rank	Student
2nd	Nathan Cai

School: Ottawa Hills Junior/Senior High School

Coach: Diane Drabek

Rank	Student
3rd	Jonah Bourell

School: Arbor Hills Junior High School

Coach: Julie Young

Rank	Student
4th	Paul Davies

School: Perrysburg Junior High School

Coach: Kyle Zwyer

Rank	Student
5th	Tanya Mittal

School: McCord Junior High School

Coach: Caitlyn Hoffman

Rank	Student
6th	Eric Sun

School: Perrysburg Junior High School

Coach: Kyle Zwyer

Rank	Student
7th	Ean Wilson

School: Perrysburg Junior High School

Coach: Kyle Zwyer

Rank	Student
8th	Andrew Breidenbach

School: Arbor Hills Junior High School

Coach: Julie Young

Rank	Student
9th	Jiaxuan Zhang

School: McCord Junior High School

Coach: Caitlyn Hoffman

Rank	Student
10th	Aiden Wilson

School: Perrysburg Junior High School

Coach: Kyle Zwyer

COUNTDOWN ROUND RESULTS

Rank	Student
1st	Nathan Cai

School: Ottawa Hills Junior/Senior High School

Coach: Diane Drabek

Rank	Student
2nd	Paul Davies

School: Perrysburg Junior High School

Coach: Kyle Zwyer

Rank	Student
3rd	Eric Sun

School: Perrysburg Junior High School

Coach: Kyle Zwyer

2024 MATHCOUNTS BONUS COMPETITION RESULTS Toledo Chapter



Perrysburg Junior H.S. 1st place team



Arbor Hills Junior H.S. 2nd place team



Top 8 Individuals

2024 TOLEDO AREA ENGINEERS WEEK SCHOLARSHIP RECIPIENTS

Mary Guth

Mary Guth hails from Lexington, Ohio, and is a senior Civil Engineering major at Ohio Northern University. At ONU, she has held several leadership positions within and outside of the engineering college including ASCE, ONU Parks and Rec, Society of Women Engineers, and the Panhellenic Council. In addition to these organizations, she has been active in engineering competition teams such as the ASCE Concrete Canoe. She currently serves as one of the project managers for her concrete canoe team. After graduation, she will join K.E. McCartney as an engineer-in-training, focusing on transportation/structural design and engineering marketing.



Shawn Monteiro

Shawn Monteiro is a sophomore Bioengineering student at The University of Toledo who will be graduating in December 2026. Born and raised in Dayton, Ohio, Shawn was an extremely active member of both Theatre and Robotics programs before graduating from Archbishop Alter High School in 2022. Within these realms, he was known for lead roles like "Joseph" in Joseph and the Amazing Technicolor Dreamcoat and earned several awards for his execution of an innovative drive system as the lead programmer of his state-champion robotics team. Shawn also has a rich history of volunteering, spending much of his time on numerous mission trips, most recently a trip to Honduras providing aid to the community of El Obraje. His interests in creativity, innovation, and service have thus woven themselves into the pursuit of a Bioengineering degree. His mission is to make as large a positive impact on others as possible, believing his degree choice will make this a reality. Shawn is the son of Melvin and Neeta Monteiro, Indian immigrants. In a few years, his younger brother Tristan also plans to pursue an engineering degree. Shawn is a member of the Honors College and has consistently earned a spot on the Dean's List every semester during his time at The University of Toledo. He is the current Vice President of Programming for his fraternity, Sigma Phi Epsilon, and is tasked with coordinating volunteer opportunities and philanthropy dinners. In addition, he is the current President of the Biomedical Engineering Society, a club which participates in the national BMES conference annually. His role as president has allowed him to recently introduce the BMES Mentorship program. Outside of his studies, Shawn enjoys photography, playing the piano, and reading.



Shiloh Walz

A native of Cincinnati, Ohio, Shiloh Walz is currently a junior in the Civil Engineering program at The University of Toledo, with plans to graduate in December 2025. She is a 2021 graduate of Oak Hills High School, where she participated in cross country, basketball, and track and field and was a member of the National Honor Society, Student Council, and Class Treasurer. Her high school curriculum was heavily STEM-focused classes and she found them decidedly to her liking. With her interest thus piqued, she entered The University of Toledo. Following a life full of inspiration and motivation from her grandfather and father, she chose to pursue a degree in Civil Engineering with minors in business and surveying. She is currently working to complete the co-op program in which her first placement was with The Kleingers Group where she worked in the SportWorks department designing sports facilities. Shiloh is the daughter of Jamie and Christina Walz of Cincinnati. She is the older of two children, with a younger brother who will be off to college in the fall. As a student, Shiloh is a member of Alpha Xi Delta, Pi Sigma Epsilon, Chi Epsilon, Order of Omega, BigEvent, ASCE, and Peer Mentoring, and has held a plethora of executive positions throughout her involvement in these organizations. Additionally, within the Department of Civil Engineering, Shiloh is a mentor for a group of students from the freshman class and previously completed research in Barcelona, Spain, on a National Science Foundation Grant under department chair, Dr. Defne Apul. Aside from school, Shiloh is an avid Cincinnati sports fan and is known for her Cincy pride and love of dinosaurs. In Shiloh's free time she enjoys going to concerts, traveling, and hitting jeep trails with her parents!



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2024 TOLEDO AREA ENGINEERS WEEK CALENDAR OF EVENTS

SATURDAY, FEB. 3rd, 2024
MATHCOUNTS 8:00 am – 2:00 pm
 LOCATION: UT College of Engineering, Nitschke Auditorium

TUESDAY FEB. 20th, 2024
ENGINEER FOR A DAY 9:00 am
 LOCATION: UT College of Engineering Campus – For High School Students

STUDENT SHADOWING 12:30 pm
 LOCATION: Offsite at various corporate sponsor locations

For Additional Info, contact: Bryan Bosch (EMAIL: Bryan.Bosch@UToledo.Edu)

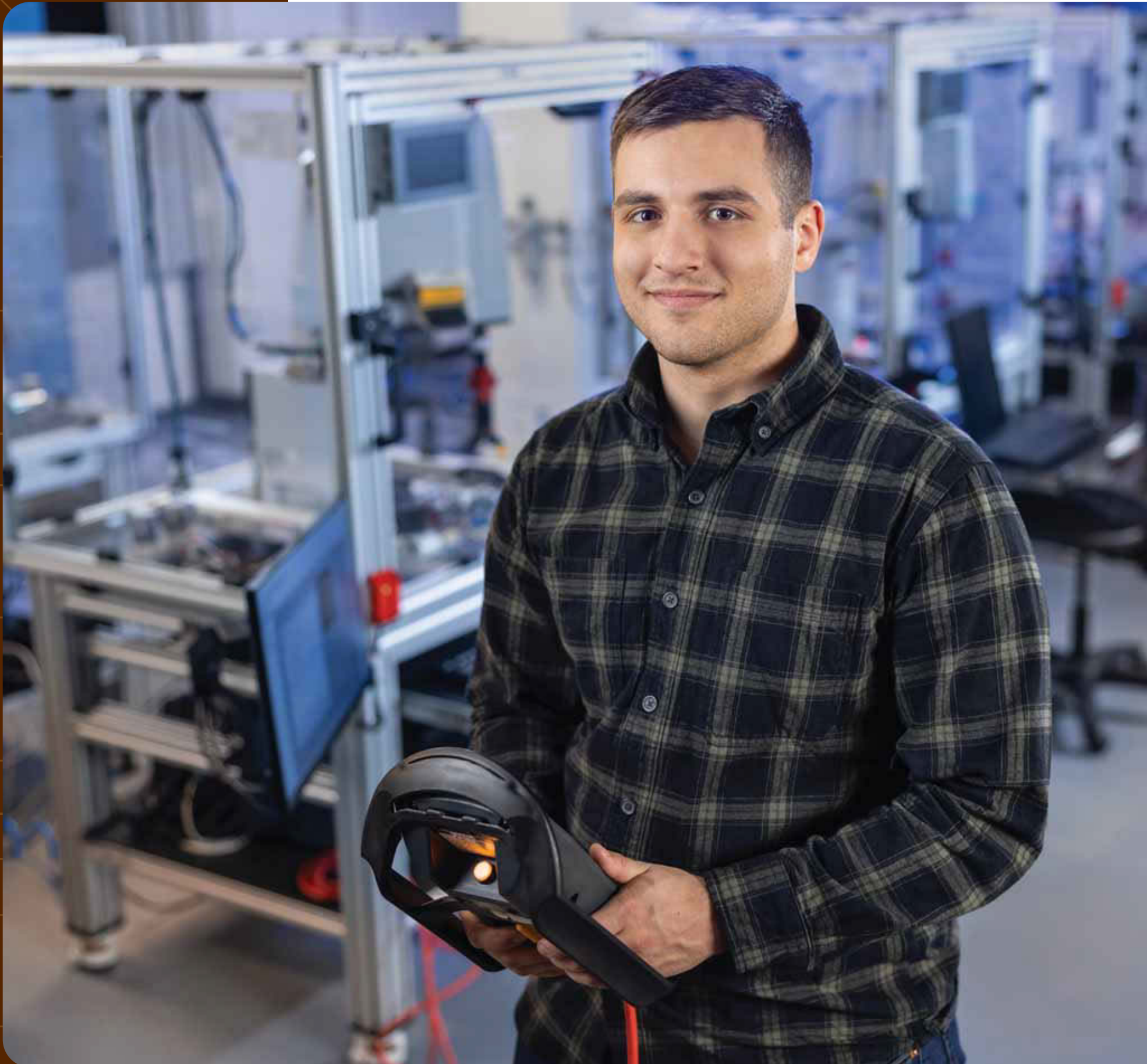
THURSDAY, FEB. 22nd, 2024
EWEEK BANQUET 5:15 — 9:00 pm
 LOCATION: PARKWAY PLACE, MAUMEE, OH
 Banquet Keynote Speaker: Megan Bendtzen
 For Reservations, contact: Carrie Powers (EMAIL: cpowers@ssoe.com)

FRIDAY, FEB. 23rd, 2024 & FRIDAY, MAR. 22nd, 2024
GIRLS DAY - Jr. High/Middle School Students
 For Reservations, contact: Bryan Bosch (EMAIL: Bryan.Bosch@UToledo.Edu)

PAST YOUNG ENGINEER OF THE YEAR

1991 Vince DiPofi	2008 Aaron Thrush
1992 Daniel Stark	2009 Christopher Carry
1993 NOT AWARDED	2010 NOT AWARDED
1994 Robert Ruse	2011 Sarah Rowland
1995 Gary Stookey	2012 Adrienne Taylor
1996 Sheryl Favorite	2013 Andrew Mekus
1997 Lisa Bowe	2014 Travis Rhoades
1998 Kent Buehrer	2015 Benjamin Plowman
1999 NOT AWARDED	2016 Amy Zimmerman
2000 James Shaw III	2017 Nicholas Savage
2001 Sam Muhsen	2018 Trent Hathaway
2002 Curtis Roupe	2019 James Gonya
2003 NOT AWARDED	2020 Bernadette Caris
2004 Daniel Firsdon	2021 NOT AWARDED
2005 Corey Zachel	2022 James Burtnett-Grigsby
2006 Shawn McGee	2023 Ariya Fathi
2007 NOT AWARDED	

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