



FOCUS

WINTER 2019

At Right: EFO volunteer Jennifer Schumacher, PE, LEED-AP, presents second grade student Lily Wenning of St. Joan of Arc School (Canton) with a big screen microscope – the second place prize for the Imagine Engineering Coloring Contest.



EFO SUPPORTS THOUSANDS ANNUALLY

From second graders all the way up to practicing engineers, EFO is advancing engineering education for many Ohioans.

The Engineers Foundation of Ohio (EFO) annually operates an array of education programs that impact lives in the most positive ways possible:

- Imagine Engineering, an in-class program and coloring contest, exposes nearly 7,000 Ohio second graders to the

world of engineering.

- MATHCOUNTS gives essential skills to 13,000 Ohio sixth, seventh and eighth grade students.
- A robust scholarship program awards nearly \$30,000 to 18 of Ohio's best and brightest engineering students.

- CPD (continuing professional development) programs – including The Engineer As Leader, the Fall CPD Conference and the December Seminar Series – help hundreds of engineers maintain their licenses and become better professionals through exposure to timely educational topics presented by industry leaders.

EFO's leadership team and volunteers are hands-on and busy as they make in-class presentations, run math competitions, evaluate scholarship applications and select the line-up of professional CPD presenters. And their efforts are paying off with tremendous praise from students, teachers and engineering professionals alike. Keep reading to discover EFO's many strengths.

"This Neff Memorial Scholarship helps me realize that hard work doesn't go unrecognized, and I am immensely grateful."

—Brian Donahoe
Cyril W. Neff, PE, PS, Memorial Scholarship, 2018-2019 recipient

"It is helping to ease the financial burden of college, and I hope to someday pay it forward to other aspiring engineers. Thanks again!"

—Peter Stamatis
Cyril W. Neff, PE, PS, Memorial Scholarship, Renewal



In 2016, EFO President Devon Seal, PE, presented Peter Stamatis with the Cyril W. Neff, PE, PS, Memorial Scholarship.

"I am a first-generation college student, and I find great value in my chance to pursue a higher education. Thank you for your support."

—Justin Ebert
Melvin Bauer, PE, PS – OSPE North Central Chapter – Memorial Scholarship, 2018-2019 recipient

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JOE NIEDECKEN, PE, LEAVES A LEGACY

Although he was still in the prime of his life, Joseph Anthony Niedecken, PE, recognized that time is ephemeral. Furthermore, he was inspired to take precious hours to “pay forward” the gifts he had been given as a young engineering student.

As a former Engineers Foundation of Ohio (EFO) scholarship recipient, Niedecken aspired to establish a new fund to benefit engineering students at the University of Cincinnati, and he worked tirelessly to launch it.

Showing great enthusiasm and commitment, Niedecken communicated with EFO about the logistics for starting the fund, and he kept busy contacting dozens of friends and colleagues about their willing-

ness to contribute.

After Niedecken passed unexpectedly at the age of 52 in February 2018, EFO learned that he had left the Foundation a substantial bequest to create a scholarship fund.

Retha, his loving wife, remembered Niedecken’s

“kind, generous, warm nature” and said, “Joe put himself

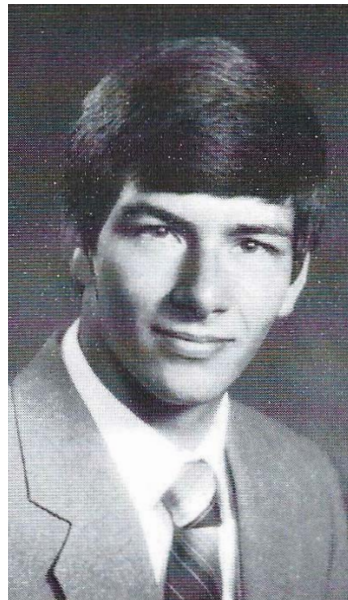
through college. He wanted to perpetuate that for other students working their way through school.”

Retha and EFO are now finalizing the details to establish a scholarship in Niedecken’s memory.

EFO President Travis

“Joe put himself through college. He wanted to perpetuate that for other students working their way through school.”

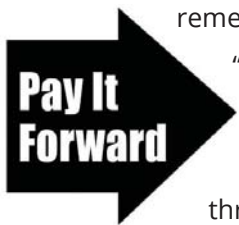
—Retha Niedecken



Joseph A. Niedecken, an EFO scholarship recipient in 1983. In later years, Niedecken became a PE who was known for his commitment to safety in the refinery industry as well as his compassion and generosity.

Rhoades, PE, celebrated Niedecken’s generosity of spirit saying, “I am grateful that he led by example in giving back to the future of our profession.”

Donations in support of the Joe Niedecken, PE, “Pay It Forward” – University of Cincinnati – Memorial Scholarship Fund may be sent to the Engineers Foundation of Ohio, 400 South Fifth Street, Suite 300, Columbus, Ohio 43215-5430.



EFO makes ethics/rules training a priority

With the enactment of House Bill 236 (131st OGA), PEs and PSs are required to obtain at least two of their 30 CPD hours in “professional ethics or rules relevant to

the practice of engineering or surveying.”

The Engineers Foundation of Ohio and the Ohio Society of Professional Engineers are committed to helping PEs

meet the new requirement by offering several ethics/rules programs throughout the year.

Watch for opportunities at www.OhioEngineer.com.

EVENTS

For details, please call EFO at 614-223-1177.

THRU FEB Imagine Engineering Coloring Contest

FEB Local MATHCOUNTS

FEB 01, 02 Engineer As Leader, Columbus Airport Marriott

MAR 09 Ohio MATHCOUNTS, Columbus State Community College

MAR 13 Imagine Engineering: Top 3 Entries Due to State

MAR 15 EFO Board of Trustees Meeting, Columbus

APR 06 State Scholarship Grading, Columbus

APR 26 EFO Benefit Golf Outing, New Albany Links

APR 19 EFO Committee Meetings, Columbus

MAY 11-14 National MATHCOUNTS, Orlando, Florida

JUN 06 EFO Annual Meeting, Hilton Garden Inn Toledo-Perrysburg

JUN 21 EFO Board of Trustees Meeting, Columbus

EFO'S CPD REPUTATION IS EXCELLENT

Soliciting feedback from participants onsite at Engineers Foundation of Ohio's (EFO's) Fall CPD Conference or perusing evaluations afterwards, one quickly discovers that many Ohio PEs have made the two-day program their top source for CPD educational credits.

"This is my 5th year in a row," remarked one PE.

"It's the best way to obtain 15 continuing education credits," said another.

Glowing terms like "high quality," "well organized," "good topics" and "great opportunity" are typical, and participants also report that they are thrilled with the convenience of being



The Fall CPD Conference was at capacity in November 2018.



Left to right are EFO President Travis Rhoades, PE, who emceed the Conference, attorney Luther Liggett, who discussed active court litigation impacting engineers, and University of Toledo Engineering Dean Michael Toole, PhD, PE, who taught participants about designing for safety.

able to obtain 15 CPD hours in one program.

In November 2018, EFO experienced another

record-breaking attendance for the Fall CPD Conference. On Thursday, PEs were educated on active court litigation impacting engineers, properly using the engineer's seal, geotechnical explorations, Ohio's oil and gas industry, technology transfer, HDS scanners, legislation impacting PEs and engineering ethics. On Friday, PEs learned about ODOT's new TSMO philosophy, Army Corps of Engineers' projects in Ohio, grid assurance, designing for safety, mitigating the cost of corrosion, intellectual property law and dealing with conflicts of interest.



Imagine Engineering enjoys continued popularity

2018 was another big year for Imagine Engineering with 6,500 Ohio elementary school students participating in the 20th annual program.

Through Imagine Engineer-

ing, OSPE members expose second graders to the world of engineering. The students then draw pictures of engineers at work. Gibson Yockey (pictured) of Ridgewood Elementary in

Hilliard won a telescope for his first place entry in the state coloring contest. Lily Wenning of Canton and Jack Webster of Miamisburg won second and third places, respectively.

Ohio MATHCOUNTS team scores at national finals

MATHCOUNTS gives students critical skills for engineering work. In 2018, 214 schools and 1,596 students registered for the Ohio program. And in March, 31 teams and 196 students participated in the state-level competition. The winning team, Solon Middle School,

was coached by Alexis Volk. The top four Ohioans advancing to the national program in Washington, DC, were: Easton Singer and Ryan Li of Solon Middle School, Rohit Dasanoor of Revere Middle School and Alan Xie of Ankeney Middle School. At national, Ohio's team placed 11th and Easton Singer placed 9th as an individual.



The Ohio team in Washington, DC. Left to right are Easton Singer, Alan Xie, Ryan Li and Rohit Dasanoor with their coach, Alexis Volk.



In 2018, through the December Seminar Series, presenter Ray Waite, MS, PMP®, taught participants about managing continuous change and the importance of encouraging diverse thought to improve a company's performance. In the photo above, participants engage in an exercise designed to help them determine if they are left-brain or right-brain thinkers.

PROFESSIONAL EDUCATION

TWO COMPANION PERSPECTIVES ON LEADERSHIP

‘The Engineer As Leader’ & the December Seminar Series complement one another by providing different aspects of management training to foster significant growth.

The Engineers Foundation of Ohio (EFO) is abundantly delighted to sponsor two preeminent programs that annually garner high praise from Ohio's engineers. The programs, which happen to serve as bookends to the calendar year, are The Engineer As Leader in Columbus early each February and the December Seminar Series in Cleveland, Toledo and Cincinnati. The two programs complement one another exceedingly well.

The Engineer As Leader builds from the basics. Using case studies, short lectures, small-group discussions and self-analysis tools, engineers learn

a practical and proven approach to leadership and effective strategies for success. Leadership expert Jim Dalton – who has many years of experience with PEs through NSPE and U.S. Navy – gives engineers the tools to motivate and lead people. He teaches



Jim Dalton

participants the latest research on situational leadership and executive-level leadership. Here's what makes The Engineer As Leader particularly unique: Dalton shares with engineers the results of his proprietary research on engineering values.

With that knowledge, engineers gain important perspective on leading engineering project teams.

The December Seminar series, led by consultant Ray Waite, MS, PMP®, the founder of Lighthouse Force also

offers valuable leadership lessons for PEs. Waite – who has more than 30 years of experience as a development manager, project manager and engineer for global companies – teaches “project management for the future” to help engineers stay abreast of current trends and move their skills to the next level. Over the last few years, participants have learned about the VUCA



Ray Waite, MS, PMP®

(volatility, uncertainty, complexity and ambiguity) marketplace, innovation, new era leadership, design thinking and managing continuous change.

Engineers are encouraged to grow their leadership capabilities using a one-two punch: The Engineer As Leader *and* the December Seminar Series.

Make a legacy gift in your name. For details, call EFO at 614-223-1177.

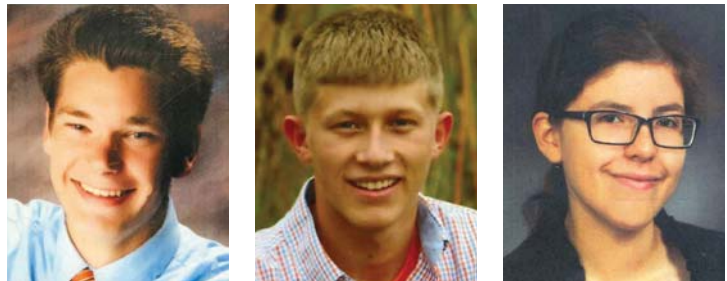
EFO'S NEW SCHOLARSHIP RECIPIENTS, 2018-2019



Left to right: Justin Ebert won the Melvin Bauer, PE, PS – OSPE North Central Chapter – Memorial Scholarship; Sean Kilbane won the Lloyd A. Chacey, PE – OSPE – Memorial Scholarship; and Maxwell Kendall won the Raymond H. Fuller, PE, Memorial Scholarship.

The Scholarship Committee selected EFO's winners for the 2018-2019 academic year. Dedicated volunteers – L. Steve Day, PE, Joe Sullivan, PE, and Committee Chair Terry McClain, PE (see photo, top right) – poured over a large volume of applications. Winners included:

- **Justin Ebert** of Wooster received the Melvin Bauer, PE, PS – OSPE North Central Chapter – Memorial Scholarship to attend University of Akron and study chemical engineering.
- **Sean Kilbane** of Brunswick received the Lloyd A. Chacey, PE – OSPE – Memorial Scholarship to attend Ohio University and study mechanical engineering.
- **Maxwell Kendall** of New Philadelphia received the Raymond H. Fuller, PE, Memorial Scholarship to attend The Ohio State University and study industrial and systems engineering.
- **Brian Donahoe** of Lakewood received the Cyril W. Neff, PE, PS, Memorial Scholarship to attend University of Notre Dame and study civil engineering.
- **Joseph Welsch** of Celina received the Peter Peterson – University of Toledo (UT) – Memorial Scholarship to attend UT and study mechanical engineering.



Left to right: Brian Donahoe won the Cyril W. Neff, PE, PS, Memorial Scholarship; Joseph Welsch won the Peter Peterson – University of Toledo – Memorial Scholarship; and Italia Fernandez won the EFO General Fund Scholarship.

- **Italia Fernandez** of Toledo received the EFO General Fund Scholarship to attend University of Toledo and study bioengineering.
- **Jamie Bossenbroek** of Columbus received the Franklin County Chapter of OSPE Scholarship to attend The Ohio State University and study mechanical engineering.



Jamie Bossenbroek won the Franklin County Chapter of OSPE Scholarship.

OUR 2018-2019 EFO OFFICERS ARE HERE TO SERVE

- **EFO President Travis Rhoades, PE**, hails from OSPE's Toledo Chapter. A civil engineer, he works for Tetra Tech in Toledo.
- **EFO President-Elect Chett Sieftring, PE**, is also from OSPE's Toledo Chapter. With experience in civil and geotechnical

engineering, he works for Terracon in Parma.

- **EFO Past President Joe Cherry, PE, FNSPE**, completes a trifecta of OSPE Toledo Chapter members at the helm of EFO this year. With a background in electronics, he is employed at SSOE in Toledo.

- **EFO Secretary Jim Montgomery, PE**, is a member of OSPE's Dayton Chapter and a civil engineer based in Centerville. He is retired from Touchstone CPM.
- **EFO Treasurer Rodney Wilson, PE**, is in OSPE's Tuscarawas Valley

Chapter and lives in New Philadelphia. He's retired from ODOT.

- **OSPE President L. Steve Day, PE**, a mechanical engineer and a member of OSPE's Franklin county Chapter, lives in Hilliard and owns Day Engineering.

DONOR HONOR ROLL (FISCAL YEAR ENDING JUNE 30, 2018)

EFO honors the commitment of the following donors to the advancement of engineering education in Ohio. Thank you for your generous support!

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- Owen March, PE
- Fred Tito, PE, FNSPE & Jacquie Tito
- Mark Wigginton, PE
- Leon Winget, PhD, PE, FNSPE

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- Tim McCarthy PE
- Brent Corwin Sisler PE



27th annual **GOLF OUTING**
to benefit ENGINEERS FOUNDATION OF OHIO

WHEN

April 26, 2019

WHERE

New Albany
Links Golf Club

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