

PEMATTERS

STATE
NEWS

NSPE-WI™ WISCONSIN SOCIETY OF
PROFESSIONAL ENGINEERS

>>>> DECEMBER 2022

State News for NSPE Members

President's Message

By Keith R. Nikolay, P.E.



The holiday season is in full swing and winter has definitely arrived! During this time of year, we realize how thankful we are to have family, friends, coworkers, and even professional organization colleagues to share this joyous time with. Make sure you dedicate some time to those who really matter to you, and don't forget to reach out to that neighbor who lives alone or the coworker whose does not have any family nearby. You will be surprised how you can change someone's day with just a smile.

A key effort the NSPE-WI Executive Committee continues to work on is increasing membership. We currently have approximately 340 members. We would like to see this number to grow during this fiscal year. NSPE-WI needs your help to make this happen! Do you have a coworker that enjoys learning how things work and operate? Or a friend in the engineering field? Invite them to a meeting! All seven chapters host events or discussions that focus on the engineering profession and are extremely informational. Recent events have included golf outings, water treatment facility tour, behind the scene tours at zoos, and there are even rumors that a brewery tour is in the works for one of the chapters.

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As with all organizations, new officers are key to keep ideas fresh and new. We know there are multiple ways to get to the correct answer, but the journey is definitely more fun by having multiple pathways. Everyone's goal is to see NSPE-WI grow and thrive, which is why we have implemented a policy to reimburse chapter officers for their dues. Up to five officers from each chapter

can qualify for full or partial membership reimbursement. If you have any questions about this, check with an officer in your chapter.

Discovery Conference 2023

Planning for Discovery Conference 2023 is currently underway and again we will hold a virtual conference in the spring as well as an in-person, mini-conference next fall. The theme of DC 2023 will be centered about how engineers and their employers had to change their work methodologies in designing, developing, constructing, and maintaining engineering projects in light of the recent pandemic. These process changes have forever changed our work environment—how we communicate and how we travel (while protecting our own health and the health of others) while still getting the project(s) completed on time and budget. We hope that you will join us next spring and fall and we look forward to seeing you then!

Continuing Education Opportunities



Your NSPE membership includes **15 free online seminars** you can view from your home or office. At the end of each seminar, a quiz is available for those who need it to meet your CE requirements. This benefit is an excellent way to obtain your 30 PDHs for each professional engineer renewal period. These seminars can be found [here](#).

Annual Awards and Scholarships

It is at this time that NSPE-WI annually seeks nominations for the various awards and scholarships that are awarded by the state society and by the chapters. Nominations for state awards are needed by the Executive Committee meeting in December and as determined by the chapters for chapter awards, both during Engineers Week in February Awards that can be made are:



- Engineer of the Year
- Young Engineer of the Year (less than 35 years of age)
- Engineer of the Year in Private Practice
- Engineer of the Year in Government
- Engineer of the Year in Industry
- Engineer of the Year in Construction
- Engineer of the Year in Education (or other fields)
- Educator of the Year for teachers that assist with the MATHCOUNTS program



At this time NSPE-WI also seeks applications from students throughout the state for scholarships that are awarded by the various chapters and the state.

If your chapter makes such awards, now is the time to inform schools in your area to forward all applications to the chapter scholarship coordinator for consideration of the award.

There are deadlines for applications.

NSPE-WI Sponsorships Welcome!

By Jim Brome, P.E.

As you know, our parent organization – the National Society of Professional Engineers – is all about protecting the safety of the public through engineering competence and has been since 1934. Annually, we conduct MATHCOUNTS competitions to get middle school students interested in math and to prepare them for STEM in high school. We also hand out thousands of dollars annually in scholarships to high school students pursuing a career in engineering. We encourage college students to take their FE Exam upon graduation. We also encourage young engineers to become licensed professional engineers and join NSPE—helping us to maintain our primary objectives: to protect the safety of the public, hold a high standard of ethical behavior, and confront legislative threats to PE licensure.

In all these ways, we are helping your company (and many others) to become and stay successful by helping to develop competent, licensed engineers ready for hire. For all of these reasons, we are asking for your financial support.

As you may know NSPE and NSPE-WI are nonprofit organizations. We rely on

companies like yours and the volunteer efforts of our members to achieve the stated goals above. Your donations directly impact the amount we can contribute to our scholarship fund through the Engineering Fund of Wisconsin (EFW). Access our [brochure](#) to learn about the three levels of financial support (gold, silver, and bronze) as well as other related benefits your organization would realize at each supporting level.

To become an NSPE-WI (WSPE) Supporting Organization, please visit www.wspe.org, scroll down, and click the green ***“Become a Sponsor”*** button. If your company is willing to commit to a sponsorship level, please provide a logo file or files (eps, png, jpg, etc.) suitable for use in printed materials and PowerPoint presentations with your response so we can begin to display your logo and sponsorship level on the NSPE-WI website and in other program materials. If you select the Silver or Gold option, also provide a business card size ad (Silver) or a ½ page ad (Gold) for use in the Discovery Conference program. Payment can be made through the website or at your earliest convenience by sending a check payable to WSPE, P.O. Box 430, Pewaukee, WI 53072. If you have any questions, please reach out to me at 262.203.1875 or respond to this email.

Chapter News



Northwest Chapter President: **Justin Musser**

Wisconsin Valley Chapter President: **Archie Becher**

Fox River Valley Chapter President: **Glen Schwalbach**

Western Chapter President: **Tim Stockman**

Southwest Chapter President: **Angela Hanz**

Metro Chapter President: **Michael Mitchell**

Southeast Chapter President: **Robert Latta**

Southwest Chapter

By Angela Hanz, P.E.

After a short break for the summer months, we are preparing for another great year of activities and opportunities!



In September, we were invited and attended a presentation in Madison by Po-Shen Lo titled, “Math, Invention, & Life.” Po is a professor at Carnegie Mellon University, serves as the national coach for the USA International Mathematical Olympiad, and is the founder at Daily Challenge (just to name a few of his

accomplishments in addition to being a member of the Hertz Foundation). Po’s hometown is Madison, Wisconsin, where he was also a Jefferson Middle School MATHCOUNTS alumnus. Po spent his summer giving Public Math Talks where he visited over 40 cities in seven weeks motivating students. Po promoted MATHCOUNTS for our local chapter and encouraged participation in the event.

Another event in September was the annual ASIS/ASSE/WSPE Golf Outing that was held at the Bridges Golf Course in Madison. The event was well-attended and continues to be a great time with great weather!

In October, we participated in a Behind-the-Scenes Security and Safety Tour of the Henry Vilas Zoo in Madison. Attendees learned about the complications involved with keeping humans, lions, tigers, and bears in a safe environment. In November, an Active Shooter Webinar Presentation coordinated by Cybersecurity and Infrastructure Security Agency (CISA), Region 5 (Wisconsin) CISA was offered to NSPE-WI. The purpose of the two-hour security webinar was to enhance your organization’s resilience in case of an active shooter incident.



Objectives of the webinar were:

- Provide information about best practice communication protocols and resources that will assist stakeholders to develop or enhance their emergency planning, preparedness, and response to active shooter incidents.
- Discuss the elements of active shooter incident response planning with guidance from expert instructors.
- Describe common behaviors, conditions, and situations associated with active shooter events.
- Discuss how to recognize potential workplace violence indicators.

The Engineers Foundation of Wisconsin (EFW) scholarship application period was open through December 19, 2022. Our chapter will be busy reviewing applications and interviewing candidates so that we can award the scholarships during Engineers Week 2023.

Our chapter continues coordination and fundraising efforts for our local MATHCOUNTS competition scheduled for February 4. The competition will be held at Kromrey Middle School in Middleton, Wisconsin.

Metro Chapter

By Jim Buggs, P.E., F.NSPE

The Metro Chapter held a scholarship and MATHCOUNTS fundraiser on August 17, at Western Lakes Golf Club in Pewaukee (yes, the same place where a small plane carrying over 50 rescue dogs crashed during a snowstorm in November!) and raised almost \$6,000 to support local scholarships and regional MATHCOUNTS competitions! The organizing committee included Jim Buggs, Randy Johanning, Melinda Dejewski, Dan Jaskie, Robin Wolff, Mike Zelinsky, Jim Voight, and Max Schmiede.

A big **THANK YOU!** goes out to all the sponsors and donors who helped us achieve this result, including:

- Presenting Sponsor, Drink Ticket Sponsor, and Scorecard Sponsor – **IEA (Infrastructure & Energy Alternatives, Inc.)**
- Golf Cart Sponsor – **Xylem**
- Registration Table Sponsor – **HNTB Corporation**
- Hole Sponsors – **ESI Design Services and ATI Materials**
- Beverage Cart Sponsors – **Enterprise Lighting & Controls and Collins Engineers**
- Hole Prize Sponsors – **4th Dimension Design, LAI, Ltd., CORRE, Inc., and NSPE-WI Metro Chapter**
- Table Sponsors – **Bloom Companies, GRaEF, Jacobs, and ATI Materials**
- Prize Donors – **Allo Chocolat, ATC, Café de Arts, Culver's, Discount Liquor, Divino Gelato, Enlightened Brewery, Green Bay Packers, Marcus Theatres, Men's Hair House, MSI General, People's Park, Ruekert & Mielke, Silvernail Inn, and Xylem**

The weather was perfect and the event included nine holes of scramble golf, games, contests, raffle, and dinner. The staff at Western Lakes did a great job helping us plan and run the event. In addition to their direct support, ESI Design Services and ATC also sent two foursomes each to the outing to keep things lively! Most of the funds paid toward the event were tax-deductible through NSPE-WI's charitable foundation, Engineers Foundation of Wisconsin (EFW). Thank you to Glen Jablonka of EFW for his help and support!

The Metro Chapter is preparing to start planning for the 2023 event, so anyone interested in helping or becoming a sponsor or donor should contact Jim Buggs at james.buggs777@gmail.com. Thank you again to all the people and companies who stepped up to make the 2022 event such a success!

Wisconsin Valley Chapter

By Archie Becher, P.E.

In September, we toured the new Wausau Drinking Water Treatment Facility. Work started on the new \$41 million facility in June 2020 and was substantially completed in early October 2022. Prior to full operation, approximately two months of testing needed to be completed to ensure the dozens of processes could operate without issue for several days to show proof of successful operation. Once each of the processes is proven to meet the design specifications, the utility staff needed to be trained on the process operation. Only then, did the WDNR approve the new facility for operation.



Calendar of Events

December 19

NSPE-WI Scholarship Submittal Deadline

February 2

Northwest Chapter MATHCOUNTS
Delong Middle School, Eau Claire

February 4

Southwest Chapter MATHCOUNTS
Kromrey Middle School, Middleton

February 19-25

Engineers Week: *Creating the Future – Recognizes how engineers play a vital role in innovating solutions to global challenges that impact future generations.*

March 4

Wisconsin State MATHCOUNTS Competition
Acuity Insurance, Sheboygan

March 14

Pi Day

August 2-4

2023 NSPE Professional Engineers Conference
Louisville, KY

September 15

World Engineers Day

Supporting Organizations

WSPE would like to thank our current **Supporting Organizations**, including

Gold Sponsor



Silver Sponsor



Bronze Sponsors



Stay up to date on legislative issues through the [NSPE Advocacy Center](#).

Share Your PE Story #IAMNSPE

NSPE is a society made up of dedicated individuals who each bring a unique story and perspective to the engineering profession. NSPE members are leaders. They are connected, inclusive, committed to ethical practice, and so much more. You have established your career as a PE, but what's next? Learn how your peers have strengthened their professional toolkits and [share your own story](#) through social media. #IAMNSPE



NSPECon23 Heads to Louisville

Mark your calendars to attend [NSPECon23](#) in Louisville, Kentucky, August 2-4. NSPECon provides an opportunity to build your network of professional engineers and advance your career by learning new skills, expanding your expertise, and preparing for future developments in the industry. The conference presentation proposal [submissions site](#) is open (submission deadline: January 25). Stay tuned for more information on registration, session topics, sponsorship opportunities, and additional conference activities!

If you want to reminisce about the fun, comradery, engagement experienced during this year's NSPECon (Philadelphia) in preparation for NSPECon23, visit NSPE's conference photo albums on [Flickr](#).

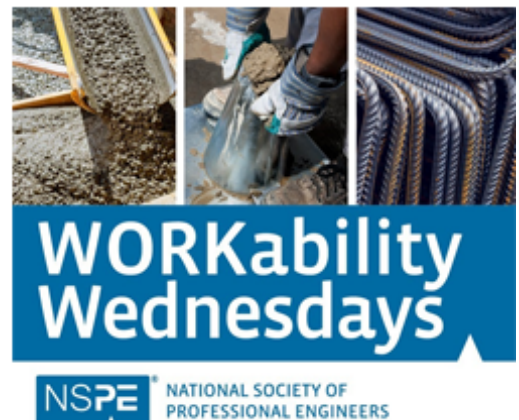


Take Advantage of Professional Development Opportunities

It's not too late for NSPE members to access the 2022 lineup of WORKability Wednesdays webinars. Access these [free recorded webinars](#) and earn PDHs before the end of the year.

The presentations address various topics of interest to professional engineers including the following:

- [Amplifying the Current Infrastructure for the Imminent EV Transition](#)
- [Engineering: Addressing Unintended Consequences as a Professional](#)
- [What Separates Good Engineers From Great Engineers](#)
- [Ethical Case Insights: Lessons in Disclosure](#)



- [Setting and Verifying Corporate Sustainability Goals Across Environmental, Social, and Governance Topics](#)
- [Election Recap: How Can PEs Prepare for the 2023 Legislative Session](#)

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