

NSPE-WI Southwest Chapter

<http://www.wspe.org/southwest-chapter>

October 2021

Welcome New Members!

Greetings SW Chapter Members

By Angela Hanz

Greetings NSPE-WI SW Chapter!

We are off to a great start for this year as our chapter meetings and activities resume. Our year started out with the annual golf outing which was a blast! I only broke one of my golf clubs at the outing but was lucky enough to win a new driver as a door prize to replace it with. Thanks to all the sponsors and to Norm and Lucie Arendt for organizing and their continued work at the outing each year.

We will be including a chapter spotlight in our newsletters this year. The purpose of the spotlight is to give our members updates on previous WSPE scholarship recipients and MATHCOUNTS participants. We want to highlight the impacts that your time, talents, and donations have made on the careers of future engineers and STEM students. Our first chapter spotlight focuses on MATHCOUNTS Competitor William Wang.

MATHCOUNTS planning for 2022 is underway. The SW Chapter event is tentatively scheduled for Saturday, February 12 at Kromrey Middle School in Middleton. I use the word tentative because we are waiting for confirmation from the school district that we can hold the event at the school facilities this year due to any COVID restrictions the district may have with allowing outside organizations to rent the facilities.

I would like to recognize and thank the following sponsors who have sent in prize donations for our MATHCOUNTS competition which include: Green Bay Packers, Madison Forward Soccer, Madison Capitols Hockey, and Milwaukee Wave Soccer. Our chapter was also awarded a \$2,500 grant from the 3M Foundation which will be shared with the Western Chapter to help cover MATHCOUNTS expenses. We are still seeking small dollar value door prizes if you can donate t-shirts or other items for the participants. Please contact me at NSPE-WI-Southwest@wspe.org for information on donations.

The SW Chapter will also be featuring a monthly Tech Info Sharing Webinar Series for 1.0 PDH which Phil O'Leary is organizing. The first Tech Info Webinar held on October 5 was titled "How Electric and Hybrid

Chapter Officers

President

Angela Hanz, P.E.

Past President

John Brome, P.E.

President Elect

Vacant

VP/Student Membership

Phil O'Leary, P.E.

VP/Gen. Membership/Education

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Andy Graham, P.E.

Treasurer

Ron Voss, P.E.

Program Arrangements

Dave Shore, P.E.

State Director

Dave McDermid, P.E.

We need volunteers.

Please help if you can.

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Vehicles Work” where Professor Bulent Sarlioglu from the University of Wisconsin Electrical and Computer Engineering Department explained Electric Motors, Power Electronics, Batteries, and Chargers.

We will be holding a fall technical tour of the UW Nuclear Reactor – stay tuned for details!

Special Recognition to MATHCOUNTS Competitor William Wang

By John Brome

Recently, Angela Hanz asked that a feature article be written about one of our MATHCOUNTS competitors to see how they’re doing and how MATHCOUNTS has influenced their life.

I decided to contact coaches of the top 10 competitors of the WI State competition held last March and received a reply from the coach of recent 8th grader William Wang. Although William did not take 1st place, he did rank 3rd in his White Fish Bay Middle School competition and 8th in the State competition. In my view, this is a very respectable showing as there were more than 400 competitors in the regional competitions and only 10 percent of those advanced to the 2021 State competition.

William became interested in participating in MATHCOUNTS competitions from “friends and family who described it as an amazing time to hang out with friends while doing math...”. He “...loved the meetings every week because it was a time for us to have fun while still doing math.”

In two out of three years, William came in 3rd place regionally, has advanced all three years (grades 6-8) to the State competition and placed 8th in the 2021 State competition. William plans to participate in STEM in high school but has no immediate career plans.

When asked if he ever won any MATHCOUNTS competition, he replied “No” but in my view, by his strong interest in math, his friendly disposition and consistent effort, William will always be a winner.

Congratulations, William, on your MATHCOUNTS accomplishments, and we look forward to your successes in High School.

Discovery Conference 2022 - Update

By John Brome

After conducting a survey from DC 2021, we learned that most people actually prefer a virtual conference over an in-person conference, although some people do want the in-person venue.

After careful consideration, we decided to offer BOTH; a virtual conference with a format much the same as DC 2020 and DC 2021 – still offering at least 15 PDHs for about the same price with cafeteria style registration (probably early February) – AND a ½ day, in-person conference that will include a meal, a presentation, a 2-hour field trip and an opportunity to socialize/network with your peers (for an additional fee to the virtual portion).

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The theme for DC 2022 will focus on how modern technology has accelerated the transformation of our world. As always, the presentations will last for 60 or 90 minutes, they will include a diversity of engineering disciplines (civil, electrical, mechanical, bio-medical, chemical and two ethics presentations). The virtual portion will be over 7 weeks – two presentations per week – starting in March and concluding in April. The optional ½ day, in-person session will be in the fall of 2022, and will be held in Green Bay (probably on a Friday afternoon). So you should have time to drive up the morning of the event and either stay over for the weekend or drive home the same day.

The virtual and in-person offerings should not only be very interesting, but we hope will provide something for everyone regardless of their interest, schedule, mobility, and budget while meeting your PDH requirements. We hope you'll join us for both the virtual and in-person events for a great Discovery Conference!

FORE! The 2021 ASSP/ASIS/WSPE/AIHA Golf Outing was a Great Afternoon of Golf!

The 2021 Annual Golf Outing was held on Tuesday, September 14, 2021, at the Bridges Golf Course. Norm Arendt once again did a great job organizing the event. A big thank you to Lucie Arendt and Lea Burger for their assistance at registration and helping to make the entire day go smoothly. The weather was beautiful, and the food and drinks were fabulous.

A team from Allied Universal Security headed by Dave Dulaney eked out a victory by 2 shots over the teams from Exact Sciences and a team headed by Norm Arendt. Dave's team was 7 under par and the other two teams were 5 under.

The most lost balls went to Andy Gove with at least 16 lost when he stopped counting. Bryce Clark and Brad K. came in next with at least 12 balls lost.

We want to give a shout out to the sponsors SLS Technology, Capital Lock, Axis Communications, American Security and Investigations, and Arendt Fire and Safety Consulting. Thank you also to Lucie Arendt for your sponsorship and for your unique etched glass art donations (Lucieart.com).

Welcome New WSPE Members!

We from the SW Chapter (and all of NSPE-WI) wish to say to all the new NSPE-WI members WELCOME!

Since you're new to NSPE, please allow us to tell you what your new membership entitles you to:

1. Access to the NSPE.org and WSPE.org websites for updates on what's happening in the world of professional engineering.
2. Free subscription to the PE magazine (digital or hardcopy). This magazine covers what engineers of the future (you!) can expect to experience in your career, identifies job opportunities throughout the USA for both licensed and unlicensed engineers and keeps you abreast of

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legislation that may significantly affect licensed PE's. It's also a great way to network with other PEs young to those more experienced.

3. Free subscription to PE Matters, a quarterly publication to keep you in the know about WSPE-WI.
4. Access to other PEs in our state should you want to know more about your chapter or one of the other six chapters.
5. Free access to all in-person and virtual tours offered throughout the year (usually worth at least 1 PDH), free access to attend any scheduled Chapter or State meeting, and access to our annual Discovery Conference at member rates.

So welcome to NSPE and NSPE-WI Carly, Ellianna, Gabriel, Mason, Grace, Nathan, Augustin and Kevin! Please check out the WSPE.org website to learn more about how to pursue your PE license which will clearly give you an edge on acquiring employment upon graduation, AND it will give you great confidence that you will be a successful engineer!