

# NSPE-WI Southwest Chapter

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

June 2021

*Save the Date for the Annual Golf Classic  
September 14 @ Noon  
Bridges Country Club in Madison*

## Greetings SW Chapter Members

*By Angela Hanz*

We will hold our last chapter meeting for this fiscal year on Wednesday June 2 @ 7:00 am on Zoom and then take a well-deserved break for the summer months. Thank you to everyone who volunteered their time and talents this year. Know that your efforts have made a difference in the engineering community!

I want to extend a big **THANK YOU** to John Brome for serving as our MATHCOUNTS Coordinator for the past five years. John is stepping down from the Coordinator role but will still be helping as a volunteer for the event. Previously, Norm Arendt served as MATHCOUNTS Coordinator for thirty-five years! I am going to attempt to take over the duties as the MATHCOUNTS Coordinator and can only hope I can do as good of a job as both John and Norm have done. I will need the continued help of our chapter volunteers to make this event successful for our Mathletes.

Congratulations to all the 2021 Spring Semester Engineering Graduates! Have you seen the Road Map to Wisconsin Professional Engineering Licensure document which our chapter helped create? Check it out at the end of this newsletter.

The WSPE Annual State Board Meeting for all members will be held on June 22, 2021 at Noon via Zoom. The WSPE State Board along with the NSPE President Elect will be providing updates on the 2021 Accomplishments.

Have a great summer everyone! Save the Date for the 2021 Golf Outing - Tuesday, September 14, 2021 at Bridges Golf Course! Hope to see you there!

## 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

Norm Arendt, Ph.D.

### VP/Programs

David Shore, P.E.

### VP/Secretary

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.

# NSPE-WI Southwest Chapter

Wisconsin Society of Professional Engineers

## Mathcounts State Competition Concludes with Surprising Results

*By Norm Arendt*

In Wisconsin, NSPE-WI, sponsors the Mathcounts competition. The Competition Series typically has four levels of competition - school, chapter, state and national. However, this year the 2020-2021 Competition Series had a different four levels of official competition—chapter, chapter invitational, state and national. Due to Covid, the competition online with only the Sprint and Target Rounds. The Team and Countdown Rounds typically held as in previous years could not be held this year due to the closing of schools and social distancing requirements.

In total, 108 students participated in the 2021 Chapter Competition statewide, which was held online February 5 – 6, 2021. Coaches at the schools determined which students participated in the Chapter Competition. Each student competed solely as an individual; there was no team competition due to Covid restrictions.

Advancing from the Chapter Competition to the Chapter Individual Invitational were five students from Velma Hamilton of Madison, four from Kromrey Middle School of Middleton, two each from Eagle School of Madison and Glacier Creek of Middleton and one each from Madison Country Day School of Waunakee and Glacial Drumlin of Cottage Grove.

The top scoring student from each school and additionally the next top individuals from each chapter advanced to the 2021 Chapter Invitational Competition, which took place online February 25. Each student that advanced to this level was required to take the competition at the same time online competing as an individual. Angelina Chang of Hamilton bested Harry Jin of Kromrey by a mere two points in the individual competition for first place.

The top 42 students from throughout the State from the Chapter Competitions advanced to the 2021 State Competition, held online March 25. Every student that advanced to this level was required to take the competition at the same time. Each student competed solely as an individual, again, due to Covid restrictions. Nine students from this local chapter competition advanced to the state, including three each from Velma Hamilton and Kromrey Middle Schools, two from Eagle School and one from Madison Country Day School.

The State Competition produced surprising results as for the first time in years the students that will be representing Wisconsin in the National Competition will have only one person from the Middleton/Madison area, Harry Jin of Kromrey Middle School. He will be joined by two students from Wisconsin Hills Middle School in Brookfield and one student from DePere Middle School. Usually, Madison and recently Middleton would dominate the State Competition. These four students will represent the State team for the National Competition. The State competition was extremely close with only four points separating the top eleven students. This necessitated the use of tie breakers to determine the final ranking. The National competition results will be posted on our State website, [wspe.org](http://wspe.org), as of this weekend.

# NSPE-WI Southwest Chapter

Wisconsin Society of Professional Engineers

## SW Chapter Election Results

The 2021-2022 NSPE-WI SW Chapter Board election results are in:

- President: Angela Hanz
- Treasurer: Ron Voss
- Secretary: Andy Graham
- VP-Student Affairs Madison: Phil O'Leary
- VP-Student Affairs UW Platteville: Norm Arendt
- VP-Programming: David Shore
- VP-Education/Membership: Dave McDermid
- President Elect: John Kustka
- Mathcounts Coordinator: Angela Hanz

Thank you to all who voted!

## We Shall See You Again - A Message to UW Platteville Graduates

*By Aaron Athas '10 UW Platteville Alumni Association Board President*

Each May we celebrate the successes of students through our bi-annual commencement. Although this spring's in-person exercises will be postponed, it doesn't diminish the fact that another round of students will transition to the noteworthy status of Pioneer alumni. We are happy to celebrate this accomplishment with you; especially given the adverse conditions during the last 14 months.

Sadly, many of our graduates will never return to campus as their lives take them in new directions far from the driftless valley of southwest Wisconsin. If there is a lesson to be gained from this pandemic, it is the significance of staying connected. When in-person alumni events could no longer be done safely, your university started hosting a variety of virtual events that brought together alumni from across the nation. These virtual fireside conversations connected alumni with our deans, our professors, and our administrators to remind you of all the great stories on campus. From the building of the state's largest solar array to renovations on campus to student research projects; we heard the stories and got to share in the pride we share.

I would therefore like to remind you all that as summertime approaches that we have plans in the making for some wonderful **in-person** events that we know you'll be looking forward to. Our Swinging for Scholarships and BILSA Golf outings will raise invaluable scholarship funds and whether or not you were attached to either the music department or college of BILSA, you are welcome as fellow Pioneers. We also look forward to our homecoming week in late October culminating with the homecoming parade and football game on October 23rd.

This is also as good of a time as any to encourage you to consider joining us as members of the UWP Alumni Association. Through social events, scholarships, networking, and more, we are your collective voice as Pioneer alumni. We can't wait to see you join our ranks and we look forward to seeing all alumni again.

# NSPE-WI Southwest Chapter

Wisconsin Society of Professional Engineers

Until then, we shall see you again Pioneers!

If any alumni want to subscribe to the alumni newsletter here is a link to do so:

[https://uwplatteville.co1.qualtrics.com/jfe/form/SV\\_08k6GyzSNW4FcvH](https://uwplatteville.co1.qualtrics.com/jfe/form/SV_08k6GyzSNW4FcvH)

## Annual Golf Classic

On Tuesday, September 14, WSPE, ASSE, ASIS and AIHA will again coordinate their efforts to bring all interested participants a golf outing at the Bridges Country Club in Madison.

The event will again be a scramble of 18 holes of golf with cart and box lunch, costing \$80 per person. Golfers will be teamed in groups of four, and the event will start at about 12:00 noon, ending around 4:30-5:00 pm.

Please consider attending, we always have a great time, and there are always “give-aways” and some great prizes to be won after everyone returns to the club house. We’ll see you there!



# ASSP/ASIS/WSPE



## AIHA 2021

Get Connected. Get Involved. Get Started!



# Annual Golf Classic

Tuesday, September 14, 2021

Bridges Golf Course

Check-in @ 11:30 a.m.

Tee Times Tee-Off Start @ NOON

Box Lunch and Dinner Sandwich/Drinks

Provided!

Raffle Prizes to follow Golf!!

Please Direct all Pre-paid Reservations to:  
**Norm Arendt**  
**Treasurer ASSP**  
**49 Danks Road**  
**Stoughton, WI 53589**



*\*Advanced Registration Deadline is August 14, 2021*

**Must have email confirmation of golfers by September 9, 2021**

Golfer: \_\_\_\_\_

Company: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Pair me with and/or my guests will be (please star guests you are paying for):

Name: \_\_\_\_\_ Company \_\_\_\_\_

Name: \_\_\_\_\_ Company \_\_\_\_\_

Name: \_\_\_\_\_ Company \_\_\_\_\_

\$80 per member player by 8/14/2021 \_\_\_\_\_ for a total of \$ \_\_\_\_\_

After 8/14/2021 @ \$85 per player \_\_\_\_\_ for a total of \$ \_\_\_\_\_

Student by 9/10/21 @ \$70 per student player \_\_\_\_\_ for a total of \$ \_\_\_\_\_

I would like to sponsor a hole (s) at \$ \_\_\_\_\_ (minimum \$200) per hole \_\_\_\_\_ for a total of \$ \_\_\_\_\_

I would like to be an event sponsor at \$ \_\_\_\_\_ (minimum \$150)

Pre-payment by Sept 1, 2021 for vendors is required to participate.....

Total enclosed \$ \_\_\_\_\_

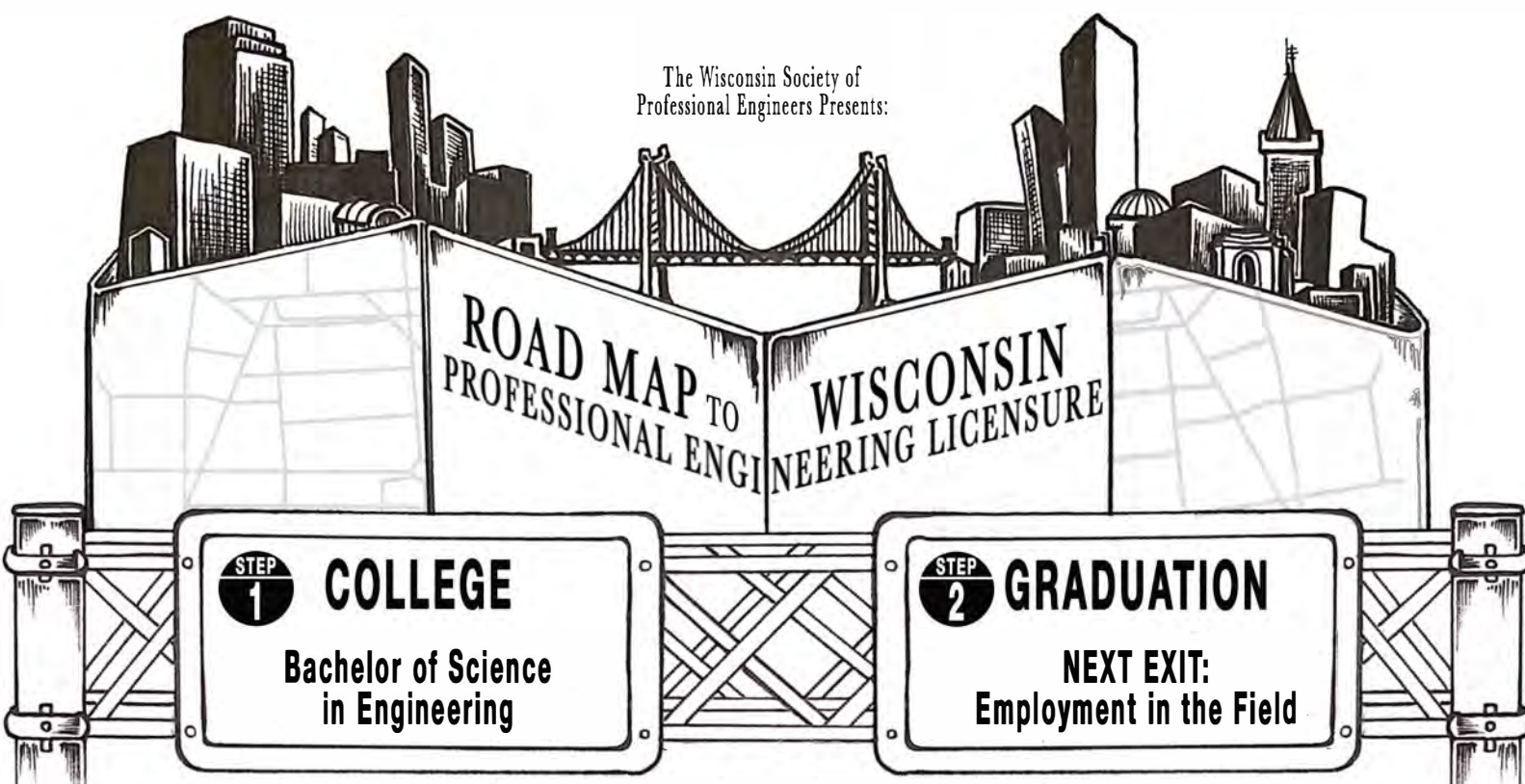
*\*We do not have the ability to accept credit cards at this time.*

*Make checks payable to Badgerland Chapter ASSP.*

Cash/Prize Contributions, Donations, Sponsorship Questions and e-registration:

Norm Arendt at [normarendt@gmail.com](mailto:normarendt@gmail.com) (608-345-1412)





# ROAD MAP TO PROFESSIONAL ENGINEERING LICENSURE

## STEP 1 COLLEGE

**Bachelor of Science  
in Engineering**

- Choose a school with an ABET (Accreditation Board for Engineering and Technology, Inc.) accredited engineering program.

Find schools with ABET-accredited engineering programs at: [abet.org](http://abet.org)

- Senior Year of College:  
Apply for and pass the NCEES  
Fundamentals of Engineering (FE) exam.

<https://ncees.org/engineering/fe/>

- After you pass the FE exam,  
Apply for Application for Engineer-In-Training Certification  
<https://dps.wi.gov/Pages/Professions/EngineerProfessional/Default.aspx>

- Join the National Society of Professional Engineers (NSPE)!  
It is free of charge to students and you gain valuable networking and education opportunities.

<https://www.nspe.org/membership/type-membership/student-membership>

Your NSPE membership automatically enrolls you in the state society and chapter based on your preferred mailing address. You can begin enjoying benefits and networking right away!

## STEP 2 GRADUATION

**NEXT EXIT:  
Employment in the Field**

- Find employment that will help you gain experience towards achieving professional registration!

- Look for an employer that provides the opportunity to work under and be supervised by registered Professional Engineers.

This is important because you need to have registered Professional Engineers provide references for you to satisfy PE registration requirements. (See footnote)

- Complete four years of qualifying engineering experience, typically under the supervision of a Professional Engineer.

- Continue your involvement with NSPE and take advantage of leadership and volunteer opportunities at the chapter, state, and national levels.

NSPE dues will increase at 20% per year from \$0 student to full price to help you financially ease into a full dues paying member!

Footnote: In Wisconsin, the references have to be from at least five (5) individuals having personal knowledge of the applicant's engineering work, three (3) or more of whom are registered Professional Engineers, and at least one (1) of whom has served as supervisor in responsible charge of the applicant's engineering work. The Wisconsin Department of Safety and Professional Services' Professional Engineer Section suggests the person completing the reference form should have 12 months' knowledge of the applicant's engineering experience within the past five (5) years.

STEP  
3

## PE/SE EXAMS

Next Exit:  
Apply for Licensure

### • TAKE THE PE OR SE EXAM

(NOTE: Either exam can be taken at any time, but you must complete four years of qualifying work experience before applying for licensure)

- Find Exam Dates and register for either the NCEES Principles and Practices of Engineering exam or the NCEES Structural Engineering exam at: <https://ncees.org/engineering/pe/>
- NSPE also sponsors an excellent PE Review Refresher Correspondence Course. There are other courses and practice exams available at: <https://nspe.org/resources/education/exam-review-and-preparation> It is suggested to start preparing/studying for the exam three months prior to the exam date.
- Once you pass the exam, submit your application for licensure with the Wisconsin Department of Safety & Professional Services - <https://dps.wi.gov/pages/Professions/EngineerProfessional/Default.aspx>

STEP  
4

## Continuing Professional Development

- Most states, including Wisconsin, require continuing professional development as a condition of professional license renewal.

- NSPE-WI hosts an annual Discovery Conference to provide PDHs with a local flavor. Get involved with the planning, then join your colleagues to enjoy a diverse program with networking and socializing!

- Your NSPE membership entitles you to 15 free Professional Development Hours (PDH) per year. NSPE also offers numerous webinars and conferences, including the annual NSPE PE Conference, providing ample opportunities to fulfill PDH requirements and network with colleagues around the country.

Continue to renew your NSPE membership and participate in activities with NSPE-WI to foster registered Professional Engineers in service to society! (Take advantage of NSPE's automatic renewal program for hassle-free membership!)