

NSPE-WI Southwest Chapter

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

March 2021

We are currently seeking nominations for Southwest Chapter officers. Please consider volunteering!

Southwest Chapter Scholarship Winners' Career Accomplishments

By Phil O'Leary

Our Southwest Chapter awarded 33 scholarships to high school seniors since 2004. I thought it would be interesting for WSPE members to learn about the careers of past recipients. Using LinkedIn or similar media I was able to locate 20 of the individuals.

Their accomplishments are truly amazing.

Some are just beginning their post high school career development. A woman that graduated from Bellville High School described in an interview from Washington University in St Louis how much she learned and enjoyed in her bio-solids mechanics class. She is majoring in biomedical engineering and is now a senior.

A student from Madison Memorial, having already earned a chemical engineering degree from UW-Madison, is working on a PhD at MIT in Boston. His research specialization is bio-energy, and he is looking to find ways for converting cellulose into compounds that can be used as liquid fuels.

A recent environmental engineering graduate from Brown University is working at a large Denver consulting engineering firm where she is specializing in water quality protection. This woman, while a student at Brown, which is in Providence RI, was also helping her neighbors on Madison's north side better understand the PFAS pollution concerns.

Civil engineering graduates, from Platteville, Marquette, and Northwestern, are working on public works infrastructure in Wisconsin and nearby states. Two are at consulting firms; the other at the Wisconsin Department of Transportation.

Other individuals are applying their expertise in the areas of pharmaceuticals, chemical production, medical devices, nuclear power, marine power, structural engineering, computer networking, computer

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

hardware, Google mapping algorithms, automobile manufacturing, and start-up investment. One person is in medical school.

Four of the scholarship recipients have earned PhD's, three from Stanford and one from NY City College. They are working now on bio-energy, food supply, autonomous driving technology, and tumor growth.

It is also clear from their resumes that the scholarship recipients are practicing good citizenship through participation in their local community organizations and professional societies. I wish that I could have met and talked to each one, just to let them know how much I admired their technical skills and dedication. I am also pleased that our engineering society is able to provide assistance as these remarkable Wisconsin students as they embark on their careers. I hope that we can continue to provide this type of support to our young people.

SW Chapter Officer Nominations

We are currently seeking nominations for Southwest Chapter officers. You can nominate yourself or another member at: <https://www.surveymonkey.com/r/G39ZYVT>. The deadline is the end of March with elections in April.

MATHCOUNTS 2021 - Chapter Competition Results

By John Brome

Now that the February Chapter competitions are completed, we can all focus on the State competition in just a few weeks – March 25 – which will also be a virtual competition. Again, only Sprint and Target rounds will be administered making the challenge even more competitive as so much is riding on fewer problems.

Results from the Chapter Invitational are: 406 competed in the February 5/6 event with 107 advancing to the Chapter Invitational. There will be 42 advancing to the State competition with the 5 highest scoring from each Chapter AND the next highest 10 scorers from the Invitational. SW has a total of 9 competitors advancing to State, the 5 highest in the Chapter plus 4 out of the 10 next highest from the Invitational!

Top scoring schools in SW include: Velma Hamilton (4 advancing to State, 1st place in Chapter), Kromrey (4 advancing to State, 2nd Place in Chapter), Eagle (2 advancing to State, 3rd & 5th Place in Chapter), Madison Country Day (1 advancing to State, 4th Place in Chapter). Other participating schools were Georgia Okeeffe, Glacier Creek and Glacial Drumlin all of whom were recognized for their participation. Winning competitors each received a trophy with a plaque for their coach.

Annually, the MATHCOUNTS OPLET award (Online, Program Library Extraction Tool) is handed out to one of the schools as a raffled item. This year, however, SW awarded the prize to what was determined to be the most deserving school based on the number of competitors whose scores were the highest in the Invitational. That school is Eagle School as 2 of their competitors were among the top 10 of all invitational

NSPE-WI Southwest Chapter

Wisconsin Society of Professional Engineers

scores. Combined with the other SW winning schools, SW had 5 of the top 10 from the Invitational!! The closest competing chapter was Metro's Waukesha with 3 and 1 from greater Milwaukee. SW can be extremely proud of their math skills and the coaches that have contributed so much to the MATHCOUNTS program.

The National competition, to be held May 8-10, will be in-person at Washington DC. We congratulate everyone that participated in the WI regional events and wish all State competitors the best of luck!

NSPE Volunteer Leader Development Webinars

Please Join NSPE for the new Volunteer Leader Development Program "Road to the Summit"

Join from a PC, Mac, iPad, iPhone or Android device at

<https://nspe.zoom.us/j/89889954256?pwd=bERUMGxzYjBPS3FGQ0VyUjNObVJtUT09>

Passcode: 828471

Upcoming Sessions:

- 3/18 Financial responsibilities of the Board and Treasurer
- 4/15 A Look at Program and Sponsorship Revenue Best Practices
- 5/20 Board Roles and Responsibilities

Or join by phone:

Dial (for higher quality, 312 626 6799)

Webinar ID: 898 8995 4256 / Passcode: 828471

Handouts and additional information that becomes available will be placed in the NSPE Leadership Toolbox <https://www.nspe.org/membership/leadership-toolbox/road-the-summit-nspe-volunteer-leadership-development>

Kimberly Granados, CAE

Sr. Director, Membership, Marketing, and Content

1420 King Street, Alexandria, Virginia 22314

703-684-2857 | www.nspe.org

“Pioneers of Progress” Discovery Conference is Underway

This year's virtual Discovery Conference kicked off on March 9, but for those who would still like to attend, there are thirteen 1-hour sessions remaining. They are scheduled for every Tuesday and Thursday at noon through April 22. The pricing for the entire conference is a very reasonable \$150P, and you can even sign up for individual sessions for just \$15 each!

[Register Now!](#)