



## WSPE eNews

A monthly publication from the Wisconsin Society of Professional Engineers

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#### 1. MATHCOUNTS: Metro Chapter Regional Summary

By Kerry Hardin, PE, *Metro Chapter*

We just completed the Regional MATHCOUNTS Competitions for the Metro Chapter. On February 7, the Metro West competition was held at Waukesha North High School, and the Metro East competition was held at Glen Hills MS. Below are the results from these two Regional Competitions. The students and teams listed below will advance to the State Competition on March 7 in Madison.

##### Metro East

###### Advancing teams:

Lake Shore Middle School  
Shorewood Intermediate  
St. Eugene School  
St. Jude the Apostle School  
Whitefish Bay Middle School

###### Advancing Individuals:

- 1 Joanna Boyland-  
Downtown Montessori Academy;
- 1 Han Zhao-  
Shorewood;
- 1 Talbot de St. Aubin-  
Golda Meir School;
- 1 Brad Nowacek-  
Whitman Middle School;
- 1 Ray Arndorfer-  
Greendale Middle School;
- 1 Michael Pokorny-  
Lake Shore;
- 1 Lucy Steffes-  
Wedgewood Park Middle School;
- 1 Claire Gerlach-  
Golda Meir School;
- 1 Inga Salisbury-  
Whitefish Bay Middle School

##### Metro West

###### Advancing teams:

Wisconsin Hills Middle School  
Pilgrim Park Middle School  
Waukesha Stem Academy.

###### Advancing Individuals:

- 1 Rena Gao and Bonnie Jin -  
Wisconsin Hills Middle School;
- 1 Hannah Laufenberg and Shawn  
Feng -  
Pilgrim Park Middle School;
- 1 Andy Liu and Arushi Dhingra-  
Brookfield Academy.

We would like to thank all the volunteers that make this event happen each year. We could not do this without you!

In addition, we would like to thank the following:

McDonalds on Meadowbrook – 150 hamburgers and condiments

Wisconsin Hospitality Group – Pizza Hut – 45 pizza's and drinks

Marquette University – water bottles and sunglasses as participation gifts

Waukesha School District – waiving facility rental fees

Milwaukee Bucks – donating one ticket per participating student

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## 2. President's Message

By Pam Mazur, PE, *Fox River Valley Chapter*

Hello Fellow WSPE Members,

I hope you all were able to participate in some sort of outreach activity during National Engineers Week last week.



*Pam Mazur, PE  
WSPE President, 2014 – 2015*

Our big event in March is of course the state MATHCOUNTS competition which will be held March 7 in Madison. If you're available, I'm sure there's something you can do to help, just let Norm ([njarendt@tds.net](mailto:njarendt@tds.net)) or Ed ([ExecDir@wspe.org](mailto:ExecDir@wspe.org)) know. It's great to see all those middle-schoolers who have such mathematical prowess – hopefully a number of them will go on to be engineers. Good luck to our mathletes and thank you to Norm Arendt for coordinating the event.

Planning is underway for our Discovery Conference on May 27 and 28 in Green Bay. There will be a variety of interesting sessions available that will also qualify for Professional Development Hours. Look for more information in the newsletter ([Article #5 below](#)) and on the website.

Also on May 27 will be our Governors New Product Awards Banquet – it's been a few years since WSPE has held this so it's great to have it going again. Thank you Dale Swenson for coordinating. Refer to [Article #6 below](#) for news about the GNPA Awards and Banquet.

NSPE Executive Director Mark Golden had a comment in his latest Board Update about an initiative between some top Hollywood producers, the National Academy of Engineering, USC Viterbi, and the MacGyver Foundation to create a crowdsource competition for ideas for a scripted TV series with a female engineer as the lead. Sounds interesting!

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## 3. How I Prepared for Engineers Week

By Dale Swenson, PE, *Metro Chapter Member*

On January 14, 2015 I attended a NSPE webinar "6 Easy Things you can do to make a Difference during Engineer's Week". Presenters were Michael J. Alvarez, Shell Oil Company and Terry A Howell, ASABE with DiscoverE as host.

As a WSPE member, I was familiar with the National Engineers Week Foundation but, I was not familiar with DiscoverE. If you are not familiar with DiscoverE, go to this website [www.DiscoverE.org](http://www.DiscoverE.org) and check out its history and what it has to offer. DiscoverE's mission is to sustain and grow a dynamic engineering profession through outreach, education, celebration and volunteerism. After spending some time on DiscoverE, I ordered my free Engineer's Week Kit.

After I received my Engineer's Week Kit, I contacted our local class A school district and made an appointment with them to talk about Engineer's Week. I eventually met with the Assistant Principal and two high school teachers involved with sciences. They were interested in spreading the news about Engineers Week and I found out that they were involved with a program called PLTW (Project Lead The Way). At the time of my meeting, there were no PLTW courses being offered at the high school.

After our meeting, I went on line to find out more about PLTW. [www.pltw.com](http://www.pltw.com) PLTW is a nonprofit organization and the nation's leading provider of K-12 STEM (Science, Technology, Engineering & Math) programs. After doing some research, I found out that NSPE's educational foundation is connected with PLTW as well as other opportunities to give back. Here's the link:

<http://www.nspe.org/resources/nspe-educational-foundation/opportunities-give-back>

I then met with an instructor at our local middle school and found out that they used the PLTW Gateway Curriculum. 6th graders used Foundation Units, Design and Modeling. 7th graders used Foundation Units, Automation & Robotics plus Specialization Units, Energy and the Environment. 8th graders used Specialization Units, Magic of Electrons.

Both the middle and high school committed to announcing to their teachers and students that Engineers week was Feb 22-28, 2015, that they would post Governor Walker's Engineers Week Proclamation, and distribute WSPE flyers at the high school "Thinking about pursuing a career in Engineering".

I hope the above article is of interest to WSPE members who are not active in the teaching profession or their local school system.

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#### **4. Professional Engineers! Earn PDHs at MSOE's PEAK Mini-Conference on March 21!**

By Brittney Lynn, Graduate and Professional Education at MSOE

Register now for our next [PEAK Mini-Conference](#) on Saturday, March 21st.

Professional Engineers can earn the professional development hours (PDHs) now required for maintaining licensure in Wisconsin by attending a PEAK Mini-Conference. This event is a collaborative knowledge exchange among engineering and technical professionals facilitated by MSOE, with the goal of providing a cost-effective way for engineers and technical professionals to learn about new topics.

One PDH is awarded for each one hour of session completion, which means participants can earn up to 9 PDHs for attending the PEAK Mini-Conference.

##### **Featured sessions include:**

- \* Ethics in Engineering
- \* Why do 100 Year Rainfalls Happen So Often?
- \* Hydraulic Directional Control Valves
- \* Moving from Engineering Management to Leadership
- \* Project Management
- \* Water Reuse Systems
- \* Doing Business in China
- \* Managing the New Product Development Process
- \* Intro to Supply Chain Management
- \* Additive Manufacturing
- \* ...and more!

[View session schedule and register here](#)

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#### **5. 2015 Discovery Conference**

By Ed Rodden II, WSPE Executive Director

**2015 Discovery Conference  
(Radisson – Green Bay, WI)  
May 27 & May 28, 2015**

WSPE will be offering early bird registration for both events beginning on March 16, so look for the brochures to be mailed shortly. Member pricing is \$200 for both days. If you want to join the Governors New Product Award & Banquet, there will be an additional cost of \$40 per member. Starting March 16, you will be able to register for both of these events through the WSPE website.

Discounted hotel rates are available and you can reserve your room at the Green Bay Radisson now. [www.radisson.com/wspe](http://www.radisson.com/wspe)

WSPE is glad to reintroduce the 39th Governors New Product Award Banquet on evening of May 27th at the Radisson. This banquet will be at the end of the first day of the conference to encourage all to attend this great event. [Refer to Dale's article below for more details.](#)

Did you receive the "Save the Date" flyer in the mail? If you need more flyers to distribute to your co-workers, please contact Ed Rodden ([ExecDir@wspe.org](mailto:ExecDir@wspe.org) or 414-531-1129).

A special thanks to Fox River Valley liaisons including: Bob Bath, Dale Cherney, Shelly Cornelius, John Davel, Mike Gigl, Mike Lefebvre, Leon Engler, and Glen Schwalbach.

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## 6. Comeback Year: Governors New Product Award (GNPA) Competition

By Dale R. Swenson, P.E., WSPE GNPA Chair, *Metro Chapter Member*

### Fantastic News!

Twelve (12) WI companies have qualified and have entered WSPE's 2014 GNPA competition. As I write this article, I'm in the process of reviewing all the entries and preparing all judging packets. Thank you to all WSPE members who volunteered to be GNPA judges.

WSPE's 2014 GNPA banquet and awards ceremony will be Wednesday evening, May 27, 2015 at the Radisson Hotel and Conference Center, Green Bay, WI. The Radisson is attached to Oneida Bingo and Casino and both are right across the street from Austin Straubel International Airport. Our GNPA banquet and awards ceremony MC will be Mike Austin, co-host of the award-winning *Mike, Matt and the Morning News* on WTAQ AM & FM, Green Bay. This will be a great WSPE event.

NOTE: The GNPA banquet and awards ceremony will be held during WSPE's Discovery Conference which is also at the Radisson, Wednesday May 27th and Thursday May 28th, 2015. Please sign up for the GNPA banquet when you sign up for the Discovery Conference. [Refer to Ed's article above for more details.](#)

Please refer to the following link for latest entry information or to find out more about Corporate Sponsorship.

<http://www.wspe.org/gnpa.shtml>

Please contact myself or Ed Rodden with questions or interest. Thank you!

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## 7. Thank You WSPE Supporters!

### Gold Level



### Silver Level



### Bronze Level





Morgan & Parmley, Ltd.



Are you interested in having your company support Wisconsin Society of Professional Engineers? See our webpage dedicated to this initiative <http://www.wspe.org/sponsors.shtml>

Contact Ed at [execdir@wspe.org](mailto:execdir@wspe.org) (414) 531-1129 to understand this program further.

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### FREE 6-Month Trial Membership!

Interested in WSPE but not sure if you want to join? Try a 6-month FREE trial membership, courtesy of WSPE.

Go to [www.wspe.org/WI%206%20months%20Free%20Membership%20Application.pdf](http://www.wspe.org/WI%206%20months%20Free%20Membership%20Application.pdf) to download an application.

Contact Ed Rodden, WSPE Executive Director, at [ExecDir@wspe.org](mailto:ExecDir@wspe.org) for details.

### We Need Your News!

- 1 Is your chapter hosting an event?
- 1 Did your chapter get some new members?
- 1 Have you started your own business?
- 1 Is your company taking on a really challenging project?

If you said "yes" to any one of these questions, or would like to share anything even remotely newsworthy with the rest of WSPE, please contact Ed Rodden, WSPE Executive Director, at [ExecDir@wspe.org](mailto:ExecDir@wspe.org).

We look forward to including your news in our monthly updates!



Join the discussion at [WSPE's LinkedIn Group](#) or



["Like" us on Facebook.](#)



[Follow us on Twitter.](#)

### We Need Your Email Address!

If you are reading a paper copy of the WSPE eNews, you're missing out! Send your email address to Ed Rodden, WSPE Executive Director, at [ExecDir@wspe.org](mailto:ExecDir@wspe.org) or call him at (414) 531-1129 to receive electronic eNews.

### Advertisers Wanted

Help us offset the costs of producing this eNews by placing an advertisement here! If you are interested in advertising your company here, please contact Ed Rodden, WSPE Executive Director, at [ExecDir@wspe.org](mailto:ExecDir@wspe.org) or [\(414\) 531-1129](tel:4145311129).

Thanks for your help.

## Update Your Information with WSPE

Did you...

- ...get a new job?
- ...get promoted?
- ...get a new phone number or email address?
- ...get your PE license?

You can update your information yourself on the NSPE website!

[Click this link to update your membership information.](#)

Alternatively, you can send your new information to Ed Rodden, WSPE Executive Director, at [ExecDir@wspe.org](mailto:ExecDir@wspe.org) or call him at (414) 531-1129 and he'll make sure your information is updated in both the WSPE and NSPE databases. We'd also like to include an article in the next eNews summarizing your recent change or accomplishment to inform your fellow WSPE members.

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### WSPE Mission Statement

*WSPE is an organization of licensed Professional Engineers (PEs) and Engineering Interns/Engineers in Training (EIs/EITs).*

*WSPE enhances the image of its members and their ability to ethically and professionally practice engineering through education, licensure advocacy, leadership training, multi-disciplinary networking, and outreach.*