



WSPE eNews

A monthly publication from the Wisconsin Society of Professional Engineers

July 2014 Edition

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1. Outgoing President's Message

By Fred Groth, PE, SE

Summer has just arrived. We have had a delightful spring with nice weather, not too hot. We shall have to wait on summer to see what it brings.

Well, the Brewers are certainly doing better this year than last... as of this writing, they have the second-best record in the MLB. Let's hope they keep up the good work. Playoffs !!!

Football is just around the corner. I can hardly wait to see the Badgers and who the new quarterback will be this year.



*Fred Groth, P.E., S.E.
WSPE President, 2013 - 2014*

As you may know, this is my last President's message for my 2013-2014 term. Pam Mazur is taking over as your next President of WSPE and will do a great job for WSPE. As my term as President comes to a close, I'll review my 2013-2014 Goals and Objectives and see how we did. Let's go through these goals set forth at the 2013 Discovery Conference:

1. Visit our local Chapters:
We fell behind on this. I split this between my President-elect and myself. Besides inviting the Metro chapter and other chapters representatives to our board meeting in September 2013, we have not met with each chapter individually. We do need to understand what the chapter needs are, as WSPE is here to serve the chapters not just itself. Pam and the Executive Committee are devoted to arranging visits and talking with our local chapters in 2014-2015.
2. 2014 WSPE Discovery Conference:
The 2014 WSPE Discovery Conference was a great success. We had over 220 attendees and great speakers. A lot of thanks goes to Ed Rodden as he spent countless hours putting this conference together. More on the 2014 WSPE Discovery Conference will be included in the August issue of the WSPE eNews.
3. Mathcounts:
I believe we are off and running on this thanks to all the different volunteers such as Norm and many other volunteers from each chapter. We still need volunteers so please contact Ed Rodden and he can get you involved.
4. Increase membership especially younger members:
Our membership has actually increased by 8 to 10% so we are definitely meeting this goal. We still have to work on increasing our younger members. I hope that, with our continuing education initiative plan outlined in my May 2014 President's message, we will get firms and younger members to see the value of joining WSPE.

5. Member Participation on committees and officer roles:
We have filled all empty officer roles. We have had a meeting to talk about succession planning for selecting new officers. We still have several committees that need more member participation. For example, the legislative cabinet, interest group committees, mainly construction, education, government, industry, private practice, young engineers and others. We are reviewing which committees are active and which ones we should be focusing on.

In summary, I feel we did a great job of meeting most of these goals and objectives set one year ago. Yes, we still have much work to be done. But first I want to thank all the people that have made this possible as they have put in countless hours to make these goals and objectives happen. These people include our [executive committee members](#) (Pam Mazur, Zack Damuth, Glen Schwalbach, John Parisi, Angela Hanz, Gary Ferguson, Keith Nikolay, James Buggs), our executive director (Ed Rodden) and many others for all the work and time they have spent in helping us meet these goals.

I hope all of you will support Pam Mazur, our incoming President like you supported me. She is dedicated to carrying on the same goals and objectives, mainly, increasing membership, increasing volunteer activity related by MATHCOUNTS, enhancing the WSPE Discovery Conference and our continuing education initiative plan.

With that, I will close by stating, **please help by becoming involved in WSPE so we can become your valued organization again.** If you have questions about how you can become involved, please email Pam Mazur Pamela.Mazur@nwtc.edu or Ed Rodden at ExecDir@wspe.org or me, Fred Groth at fred.groth@graef-usa.com.

It was a pleasure to serve you all!

-Fred Groth, PE, SE

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2. Incoming President's Message

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

Hello Everyone, my name is Pam Mazur and this month I begin my tenure as your WSPE President for 2014-15. Please refer to the WSPE website where I've outlined some goals for the year as well as ways you can participate.



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

One of our major emphasis areas this year will be providing a successful 2015 Discovery Conference for your benefit. We're looking at hosting it in Green Bay next year in the May timeframe.

If you have any ideas for presentations or topic areas you'd like to see, please contact me or our Executive Director Ed Rodden.

The NSPE Annual Meeting is taking place in Washington DC the first week in July, and Ed Rodden, as well as our National Delegate Jim Buggs, will be attending representing WSPE. I'm anxious to hear how it goes and what they learn that can benefit WSPE.

I look forward to serving you as WSPE President!

-Pam Mazur, PE

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3. WSPE Executive Committee Elected

Submitted by Ed Rodden II

These officers begin their new positions effective today, July 1, 2014.

President

Pam Mazur, PE
Fox River Valley Chapter

President-Elect

John Parisi, PE, F.NSPE
Fox River Valley Chapter

Vice President – Membership Portfolio

Zack Damuth, PE

Vice President – Governmental Affairs Portfolio

Glen Schwalbach, P.E. F.NSPE
Fox River Valley Chapter

Vice President – Education Portfolio

Jay Goldberg, PE, Ph.D
Metro Chapter

Treasurer

Gary Ferguson, P.E.
Metro Chapter

Secretary

Angela Hanz, P.E.
Wisconsin Valley Chapter

National Delegate - Second year of 2 year term

James Buggs, P.E.
Metro Chapter

These officers contact and bio information will be available on our website
<http://www.wspe.org/stateofficers.shtml>

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4. Job Openings

WSPE has posted new job opportunities on the Job Board:
http://www.wspe.org/job_board.shtml

Summaries of these postings are as follows:

Traffic Engineer (Civil Engineer Transportation Advanced) / Department of Transportation

The Department of Transportation (DOT), Division of Transportation System Development (DTSD) is currently seeking individuals who are ready to take on a lead role in the delivery of the state's transportation traffic program.

The Bureau of Traffic Operations (BTO) is currently looking to fill the following vacancies: State Traffic Engineering Analysis and Data Management Engineer and Traffic Operations Engineer. Headquarters are Madison.

The hiring list generated from this recruitment will be used for the next 6-12 months to fill current and future positions in the Regional Offices and in the Bureau of Traffic Operations.

DTSD's Offices are located across the state: Madison (Dane County), Waukesha, Green Bay (Brown County), Wisconsin Rapids (Wood County), La Crosse, Eau Claire, Rhinelander (Oneida County), Superior (Douglas County), Spooner (Washburn County), Milwaukee.

You must apply directly to this recruitment in order to receive consideration for these Traffic positions.

WisDOT is a great place to work! We offer amazing benefits such as a casual office atmosphere, flexible work schedules, ample vacation time, excellent health benefits, and an exceptional employee assistance program that offers a variety of programs and tools to help promote an employee's wellness and health.

Job Duties:

Current Vacancies:

State Traffic Engineering Analysis and Data Management Engineer

This position has a critical role in providing advanced level technical support for improvement programs, traffic analysis and modeling, and traffic management

across the department as well as throughout the state of Wisconsin. This position represents BTO's Traffic Section on a broad range of committees tasked with facilitating programs relating to DOT's improvement program and traffic engineering program. This position is responsible for initiating, planning and implementing traffic analysis tools and requirements associated with traffic modeling and traffic engineering.

Traffic Operations Engineer

This position is responsible for providing advanced level technical support for intersection/interchange operations, the speed management program, and freight operations. This position will also provide comments and guidance to the regions throughout the intersection control evaluation (ICE) process. This position initiates, plans, and implements special traffic studies in areas related to this position. The State Traffic Operations Engineer will act as a bureau liaison for major/mega projects. This position represents BTO's Traffic Section on a broad range of committees concerned with programs relating to intersection operations, safety, speed management, and freight.

Special Notes:

A valid Professional Engineer (PE) license is required upon application. A Wisconsin PE license must be obtained within three months of hire.

A valid Professional Engineer (PE) license is required upon application. A Wisconsin PE license must be obtained within three months of hire.

Starting annual salary is \$67,258 - \$76,646, pending relative qualifications, plus excellent benefits.

The deadline to apply is June 8, 2014.

Job Knowledge, Skills and Abilities:

- 1 Extensive knowledge of engineering principles and practices as applicable to the planning, design, construction and maintenance-of highways and related facilities. Familiarity and working knowledge of traffic analysis tools, such as the Highway Capacity Software, Sidra, Synchro, and microsimulation modeling software.
- 1 Extensive knowledge of the Traffic Guidelines Manual and traffic operations principles.
- 1 Skills to communicate effectively on all aspects of job related functions orally and in writing.
- 1 Ability to establish and maintain effective working relationships.
- 1 Proficiency in computer and data base extraction tools including Excel, Word and PowerPoint.
- 1 Knowledge and familiarity with various traffic analysis software and data management systems.
- 1 Thorough knowledge of laws and rules applicable to highway traffic operations.

How To Apply:

To apply for this recruitment, go to <https://wisc.jobs/public/index.asp> and click "Log In" to access your existing account or to create a new account if you don't already have an account in the system. Once you are logged in, click "Apply Now." You will be asked to provide your personal information, attach a resume and then complete an exam (questionnaire). Once you finalize your exam, you will be sent an email by the system confirming that the exam process has been completed. Those candidates that appear to be the most qualified will be invited to participate in the next step of the selection process.

Environmental Engineer Supervisor / Department of Agriculture, Trade and Consumer Protection

The Wisconsin Department of Agriculture, Trade and Consumer Protection has an opening for the position of Environmental Engineer Supervisor. This is an exciting opportunity for an experienced engineer to manage a statewide program in cooperation with other government agency partners, and oversee a committed group of professionals who provide conservation services to farmers and other landowners. In addition to tackling challenging policy and programmatic issues, you will have the opportunity to apply your engineering skills working on high-end CAFOs and complex conservation projects.

The position will be located at one of our headquarters in Madison, Appleton or Altoona. The ideal candidate will have experience in environmental or agricultural engineering and will possess a Professional Engineer certification in the state of Wisconsin.

The Department of Agriculture, Trade and Consumer Protection (DATCP) employs a diverse mix of people in the service of the State of Wisconsin. We

work hard to protect and promote Wisconsin's agricultural industries and consumers. We recognize that our success hinges on the high quality, dedicated staff that we employ.

Job Duties:

This position manages the Conservation Engineering Unit in coordination with the Resource Management and Engineering Section Chief within the Land and Water Resources Bureau. This position oversees and directs statewide delivery of conservation engineering and related services by engineering staff located in field offices. This position works cooperatively with Land Conservation Departments (LCD), USDA Natural Resource Conservation Services (NRCS), and Department of Natural Resources (DNR) to coordinate delivery of government programs and the provision of technical assistance to farmers and other landowners. Responsibilities of this position also include oversight of the state drainage program, leadership in developing technical standards and management of training activities.

Job Knowledge, Skills and Abilities:

Extensive knowledge of the engineering principles and practices with a focus on standards and practices related to soil and water resource management, and animal waste management; demonstrated ability to make high level engineering computations to analyze data and design conservation practices, structures and facilities; excellent communication skills; knowledge of management principles and practices including personnel management and supervision, project management and team building and; ability to work with a wide range of people representing many agencies and units of government.

Wisconsin registration as a Professional Engineer (P.E.) is required.

Starting pay will be between \$54,331-\$89,648 annually depending on qualifications.

For more information, and to apply, please visit:

http://wisc.jobs/public/job_view.asp?annoid=75841&jobid=75356&org=115&class=27030&index=true

Roadway Standards Engineer / Department of Transportation

The Wisconsin Department of Transportation (WisDOT) is currently recruiting to fill a Roadway Standards Engineer (Civil Engineer Transportation Advanced) within its Division of Transportation System Development, Bureau of Project Development, Roadway Design Standards Unit. The headquarters of this position is the Hill Farms State Office Building in Madison (4802 Sheboygan Avenue).

WisDOT is a great place to work! We offer amazing benefits such as a casual office atmosphere, flexible work schedules, ample vacation time, excellent health benefits, and an exceptional employee assistance program that offers a variety of programs and tools to help promote an employee's wellness and health.

Job Duties:

This position serves as one of the Bureau of Project Development's technical experts in the areas of roadway design. This position is involved in the development and maintenance of Departmental guidance, standards, policies and procedures as they relate to highway capacity analysis, highway design criteria, and geometric design. Key responsibilities of this position will include the development and maintenance of design standards, policies, and guidance related to roundabout design and operation, and pedestrian and bicycle accommodations.

Special Notes:

A valid Professional Engineer (PE) license is required upon application. Hired candidates must obtain a PE from the State of Wisconsin within three months of employment in the position.

How To Apply:

To apply for this position, go to

http://wisc.jobs/public/job_view.asp?annoid=75969&jobid=75484&org=395&class=26763&index=true

and click "Log In" to access your existing account or to create a new account if you don't already have an account in the system. Once you are logged in, click "Apply Now." You will be asked to provide your personal information, attach a resume and then complete an exam question. Once you finalize your exam, you will be sent an email by the system confirming that the exam process has been completed. The responses to your exam will be verified and qualified candidates will receive further consideration.

Wastewater Engineer

Town and Country Engineering, Inc. is a municipal and environmental engineering firm dedicated to providing personalized service to municipalities with design expertise exceeding those available from larger firms . We are seeking an experienced Wastewater Engineer to join our staff. This position has an excellent opportunity to provide a leadership role within Town & Country Engineering, Inc.

Position will involve a full range of wastewater planning, design, and operation services. Responsibilities will include working with project engineers, project managers, and clients on:

- All aspects of wastewater systems from studies through construction, including operator assistance
- Construction management and project management
- Attending client meetings and managing clients
- Provide marketing/sales support

Required Qualifications:

- 5+ years of experience in wastewater planning, design, and construction
- BS in civil or environmental engineering
- Excellent written and verbal communication skills
- Wisconsin PE or the ability to obtain one within 6 months

Preferred Qualifications:

- 10 years of experience in wastewater engineering field
- MS with wastewater emphasis
- Knowledge and experience in the water engineering field would be desirable

This is an excellent opportunity to work with a quality municipal consulting engineering firm serving clients throughout Wisconsin.

Town & Country Engineering, Inc. offers competitive compensation and benefits.

For more information about our company please visit our website - www.tcengineers.net

To Apply:

Please forward your resume and cover letter indicating your interest in the position to:

Town and Country Engineering, Inc.
5225 Verona Road, Building 3
Madison, WI 53711
(608) 273-3350
sjuelich@tcengineers.net

If you are interested in posting a job or your resume on our website, please contact Ed Rodden II at ExecDir@wspe.org or (414)531-1129.

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5. MSOE Launches New Graduate Programs for Fall 2014

By Brittney Lynn, Continuing Studies and Outreach at MSOE

MSOE Launches New Graduate Programs for Fall 2014

MSOE is proud to announce new graduate programs that will begin in Fall 2014! New programs include:

- 1 [MBA](#) – both blended and 100% online formats available

New 100% online options include:

- 1 [Engineering Management](#) (blended option also available)
- 1 [Engineering](#) (blended option also available)

Interested in learning more? Sign up for an [info session](#), give us a call or send us an email.

Contact [\(800\) 321-6763](tel:800-321-6763) / gpe@msoe.edu with questions.

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6. WSPE's Governor's New Product Awards are Back!

By Dale R. Swenson, P.E., Metro Chapter member

WSPE has decided to bring back a prestigious statewide competition, the Governor's New Product Awards (GNPA). For over three decades, WSPE's GNPA competition has recognized Wisconsin's leading manufacturers who have contributed to the State's economic growth through the development, manufacturing and marketing of new and innovative products. WSPE has the support of the Governor's office and will be working with WEDC (Wisconsin Economic Development Corporation) to spread the news about the GNPA competition. At the end of July, look for announcements in WEDC enews publications (InSource, InterConnect, etc.) as well as on WSPE's website. Applications will start to be accepted October 1, 2014 with the deadline of entries being February 16, 2015. WSPE's GNPA banquet will be held during WSPE's Discovery Conference, May 2015.

Please contact myself or Ed Rodden with questions or interest.

Dale R. Swenson, P.E., WSPE GNPA Chair
GNPA@wspe.org (262) 366-5686

Ed Rodden II, E.I.T., WSPE Executive Director
ExecDir@wspe.org (414) 531-1129

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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 to download an application.

Contact Ed Rodden, WSPE Executive Director, at 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 send your articles to Clayton Grow, WSPE eNews Editor, ctgrow@gmail.com.

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 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! There is a nominal fee of \$25 per issue per article/advertisement. If you are interested in advertising your company here, please contact Ed Rodden, WSPE Executive Director, at ExecDir@wspe.org or [\(414\) 531-1129](tel:414-531-1129).

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 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.

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