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The Southeast Branch News is published monthly by the Southeast Branch of the Wisconsin Section of ASCE. Change of street and/or e-mail address should be sent to ASCE, 1801 Alexander Bell Drive, Reston VA 20191 (800/548-ASCE). You may update your own information at the Members Only page of WWW.ASCE.ORG

The deadline for articles for the next newsletter is the first of the month.

PRESIDENT'S MESSAGE

Did you know that there are 101 ways to benefit from your ASCE membership?

Recently ASCE has published a member resource guide of 101 ways to benefit from ASCE membership. I recently looked through the publication and a few of the items surprised me, there were even a picture from our 2012 STEM Expo!

Some of the member benefits listed include:

- #2 ASCE books and e-books:** More than 300 e-books are available for instant download
- #6 My Learning:** an online tool to help document those PDH hours
- #26 Transferable Leadership Skills**
- #35 Computer Discounts:** discounts on Panasonic toughbooks and Hewlett-Packard products
- #40 Five free PDHs a Year**
- #74 Save on Shipping:** Special discounts on express, ground and freight shipments
- #98 Car Rental Programs:** Special programs with Budget, avis and Hertz

I encourage each of you to take a look at the remaining 94 ways to benefit from ASCE. There may be a few more that might be a benefit to you and your career. The publication can be found at: <http://www.asce.org/Membership/101-Ways-to-Benefit-from-ASCE/>. The STEM Expo picture is on page 17 under Number 55.

I personally think that the best way to take advantage of your membership is to get involved with the local group. We have some really great teams that could always use new committee members. It is a great way to be involved and start building on those transferable leadership skills mentioned in number 26! If you would like to know more about how to get involved feel free to contact me or any of our current board members.

Sincerely,

Bridget Schuh Henk, P.E., LEED AP

Bridget.Henk@graef-usa.com

July Tour Announcement

**ASCE - SOUTHEAST BRANCH
July Tour****Waste Management
Germantown Facility Tour**

Where do your recyclables go, and what do they become? Tour Wisconsin's largest recycling processing plant for an inside look at how Waste Management of Wisconsin converts recyclables into feedstock for manufacturers around the globe. Learn how and why this \$24 million facility is revolutionizing recycling for Wisconsin households, businesses and institutions.

Please wear long pants and sturdy, closed toe shoes suitable for a manufacturing plant. Personal protection equipment will be provided and must be worn during the tour.

Tour location: W132 N10487 Grant Drive, Germantown WI 53022

Directions: From U.S. Hwy 45, take Exit 51 North at Pilgrim Rd and head right (North) for 1.5 miles. Turn right (East) at Donges Bay Rd and continue for 1.6 miles. After the railroad tracks, look for Grant Dr on your left. Turn left onto Grant Dr., and left at Waste Management's driveway. Enter the building through the center doors.

Date: **Wednesday, July 23, 2014**

Time: 4:30 pm Tour
6:00 pm Dinner Social

Social Location: Aldo's Pizza
W156 N11058 Pilgrim Road
Germantown, WI 53022

Cost*: ASCE Members – Free with advance registration
Non-members - \$5

To make reservations: call Joe Barritt at 608-436-4200 by 4 pm, Friday, July 18, 2014. Leave name, affiliation, and phone number. You may also e-mail the Southeast Branch at ascewise@gmail.com with your reservation.

Please make your reservations as early as possible. If you would like to make a payment in advance please visit the website at www.ascewise.org/events and click on the PayPal link. Make checks payable to ASCE – Southeast Branch

Please note: No-shows **will be billed** a fee of \$5. **If you cannot attend, please call by 3:00 p.m. Monday, July 21st to cancel.**

***Dinner is on your own at Aldo's.**

August Lunch Meeting
**ASCE - SOUTHEAST BRANCH
August Lunch Meeting**
Owensboro Health Regional Hospital

Part of a long-range, multi-phase master plan, Owensboro Health Regional Hospital (OHRH) accommodates streamlined processes, new technology, and future growth on a 162-acre campus in western Kentucky. The 780,000-square-foot replacement hospital includes a 385-private bed, nine-story Bed Tower, three-story Diagnostic & Treatment Building, Emergency Department, Women's Center, Heart Center, and Outpatient Diagnostics Center.

The success of OHRH's replacement facility is the result of an integrated design process, in which architects, engineers and contractors pulled their collective expertise to deliver a leading-edge hospital. Utilizing Integrated Project Delivery (IPD) to share risk between architect, contractor and owner, the design team added \$5 million to the project scope without increasing overall budget.

The project is located in a high seismic zone on a site with poor soil conditions so the structural team was engaged very early in the process. Using a component-based design approach and target value costing, the structural team collaborated with the architects, designers and contractors to identify workable, cost-efficient solutions to these challenging conditions. This presentation will discuss the project challenges and the numerous structural innovations that were used to meet these challenges without negatively impacting project costs or schedule.

Speakers: Jeff Millmann, P.E. LEED AP is an Associate Vice President and senior project engineer with HGA Architects and Engineers in Milwaukee. He earned a BS in Civil Engineering from the UW-Platteville and a MS in Civil Engineering from the University of Minnesota. He served as the lead structural engineer on the Owensboro Health Regional Hospital and has 18 years of experience working on a variety of healthcare, corporate and commercial projects.

Chad O'Donnell, P.E., S.E., LEED AP is the Director of Structural Engineering and an Associate Vice President with HGA Architects and Engineers in Milwaukee. He has over 20 years of experience working on healthcare, corporate and commercial projects of varied size and scope, including many of HGA's largest hospital projects. He is a graduate of Marquette University, is a registered professional or structural engineer in 14 states, and is actively involved in a number of professional societies at both the local and national level.

Date: **August 21, 2014**

Time: 11:45 am - Social Gathering
12:00 noon – Lunch Followed by Presentation

Location: T.G.I. Fridays at Miller Park

Meal: Buffet featuring Hamburgers and Grilled Chicken Sandwiches

Cost*: ASCE Members – \$20
Non- Members - \$25
ASCE Students Members – Free, but must be pre-registered

To make reservations: call Joe Barritt at 608-436-4200 by 3 pm, Monday, August 18, 2014. Leave your name, affiliation, and phone number. You may also e-mail the Southeast Branch at ascewise@gmail.com with your reservation.

Please make your reservations as early as possible. If you would like to make a payment in advance please visit the website at www.ascewise.org/events and click on the PayPal link. Make checks payable to ASCE – Southeast Branch

Please note: No-shows **will be billed** a fee of \$20. **If you cannot attend, please call by 3:00 p.m. Monday, August 18th to cancel.**

STEM Expo

Article By: Kyle Bareither

STEM Expo – If you haven't heard already, STEM Expo is coming back this year on October 25th at the MSOE's Kern Center! A great group of individuals have joined together to make a strong committee and we have already received sponsorship from a few local STEM businesses! Currently, we are organizing the activities that we will have for the kids/young adults at the Expo. We are very excited to be able to introduce science, technology, engineering and math professions to the local community. If you have an interest in helping out with planning the STEM Expo or are interested in volunteering for the day of the event, please contact Bridget Schuh Henk (Bridget.Henk@graef-usa.com) or Kyle Bareither (kbariether@naturalrt.com).

2014 Scholarship Golf Tournament

Article By: Paul Koszarek

This year's ASCE SE Branch Scholarship Golf Tournament, Title Sponsored by Ground Improvement Engineering and FSC, was the best EVER. The weather was spectacular, Ironwood Golf Course was in top shape and we raised the most EVER in our brief history (over \$9,000-\$1,000 more than last year) for the scholarship fund. Last but not least, we SOLD OUT and had 144 golfers in attendance. New this year, Ironwood put together a compilation of all of the event pictures put to music and narrated by Steve "The Homer" True from 540 ESPN. Click on the link to view: <http://www.youtube.com/watch?v=39zD9E-XxX4>.



THANK YOU to all that participated, volunteered and sponsored. Below is a list of our Sponsors, Volunteers and Winners.

1st Place: Paul Koszarek, David Barndt and Larry Raether from PSI, Scott Kramer from Plunkett Raysich Architects

Volunteers: Scott Kroeger-URS; Ryan English-Gestra; Steve Weyda-Ground Improvement Engineering; Bill Schilling-URS; Paul Koszarek, PSI; Nick Spitzer-HNTB; Jared Wendt-CH2MHill.

MARK YOUR CALENDARS! NEXT YEAR ASCE SE BRANCH SCHOLARSHIP GOLF TOURNAMENT WILL BE HELD ON JUNE 12, 2015.

2014 Scholarship Golf Tournament Sponsors

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Welcome New Members

ASCE Wisconsin Southeast Branch is pleased to welcome new members Doug Dembowski, Marketa Jelinkova, Mohammed Alsalem, William Schilling, Karel Suchy, Dan Baumann, Jason Schafer, and Mahmoud Maamouri.

Looking for ways to get involved? Attend the July tour of Waste Management in Germantown, volunteer to help out at the STEM Expo this October, or join the Younger Member Group at Hart Park on Mondays for wiffle ball. Stay up to date by visiting our website: www.ascewise.org. We look forward to meeting you!

Younger geotechnical engineers sought for ASCE award

If you're familiar with an outstanding young practitioner, researcher, or teacher of geotechnical engineering, nominate them for ASCE's 2014 Arthur Casagrande Professional Development Award. The honor, which comes with a cash prize, is intended to provide a career boost to a geotechnical professional under 35 who has demonstrated outstanding accomplishments in completed works, reports or papers. Nominations are due by August 15.



For more information and nomination forms, visit <http://www.asce.org/leadership-and-management/awards/casagrande-award>

Vote for Your Favorite Bridge Photo

Civil engineers are responsible for many of the world's most beautiful objects – and bridges are among the most photogenic. Enjoy the 14 winners of ASCE's 2014 **Bridges Inspire photography contest**, then see the nominees for Viewer's Choice, and cast a vote for the one you like best by "liking" it in the Facebook-hosted gallery.

Forward the link – ascebridgephotos.org – to colleagues and friends. All submissions qualify for inclusion in ASCE's 2015 Bridges Calendar.

Submit your vote for the 2014 Viewer's Choice winner by **August 31**.



SE Branch Elections and Bios

Voting has completed for electing positions for the SE Branch and YMG. The results and bios are listed below.

SOUTHEAST BRANCH

President – Jeremy Hinds

Mr. Hinds graduated with a B.S. in Civil Engineering from Marquette University and is a registered engineer in Wisconsin and Minnesota. He is a Project Manager with Bloom Companies, LLC based in Milwaukee that specializes in engineering, architecture and construction management. Mr. Hinds has served as the SE Region Public Information Chair since 2008 and has been active in the outreach to our region's schools.

President Elect – Jared Wendt

Jared is currently serving as a Director-At-Large overseeing the membership and is looking to continue serving the Southeast Branch as a Director-At-Large. Over the past year, Jared has served as the co-chair of the 2012 ASCE Annual Meeting held in Pewaukee last September. He also attended the Region 3 Workshop for Section and Branch Leaders in January. Jared is excited to continue find ways to implement the ideas that he picked up during the workshop. Jared graduated with a B.S. in Civil Engineering from UW-Platteville in 2005 and is registered as a professional engineer in Wisconsin. Jared has worked for CH2M HILL as a project engineer in the transportation group since 2007. Since moving to Milwaukee in 2007, he has been active in various community programs through CH2M HILL. These include the Project Lead the Way Program as a mentor, adopt-a-highway cleanups, future cities judging, and many others.

Secretary – Gerald DeMers

Jerry has been a solid waste engineer for the Wisconsin Department of Natural Resources for the past year. He is responsible for oversight of closed and existing landfills in southeast Wisconsin, as well as review of the design of proposed landfill expansions. Prior to joining the DNR, Jerry's career included over 30 years of experience as an environmental consultant with firms located in the Milwaukee area. He has been a project manager for much of that time, and his experience includes stormwater planning and design for railroads, design and construction of new and closure of old landfills, and contaminated soil and groundwater investigations, including Superfund sites. Jerry and his wife Ellen (also an environmental engineer, who met while working together at what is now GRAEF) of 31 years live in Pewaukee, and have two grown children whose careers are teaching youth about science and the environment.

Treasurer – Ryan English

Mr. English graduated from the University of Wisconsin-Milwaukee in 2009 with a B.S degree in Civil Engineering and in 2010 with a M.S. degree in Geotechnical Engineering. Ryan is currently employed by GESTRA Engineering Inc. as a staff geotechnical engineer. He has been an active member of ASCE throughout school and through the first couple years of his career.

Director – Ken Mika

Ken graduated with a B.S. in Civil Engineering in 2008 and is working on his M.S. in Engineering from the University of Wisconsin – Platteville. After graduating with his B.S., Ken was hired as an environmental engineer for Natural Resource Technology, Inc., an environmental consulting firm headquartered in Milwaukee, Wisconsin. Ken has assisted in YMG events in Milwaukee and Florida, while on a long-term job assignment in the area. In Florida, Ken was on the East Central Florida YMG committee for the Central Florida Field Trip. Most recently Ken served on the 2011 Wisconsin ASCE Spring Technical Conference Committee, Vice President of YMG for 2011-2012, President of YMG for 2013-2013, the planning committee for the 2013 ASCE Central Region Younger Member Conference (CRYMC), and on the planning committee for the 2014 2011 Wisconsin ASCE Spring Technical Conference.

Director – Mike Arnold

Mr. Arnold graduated with a B.S. in Civil Engineering from the University of Wisconsin – Madison in May 2005. Mike was an active member of the UW-Madison ASCE Student Chapter, serving as treasurer and outreach chair. He was also very involved with the Steel Bridge Team and traveled to the National Competition three consecutive years. Mike worked as a transportation engineering intern for URS Corporation starting in 2003 and continued his employment at URS as a structural engineer after graduation. He recently celebrated 10 years with URS and his career continues to grow with the company, acting as lead structural engineer for large transportation improvement projects. Mike is a registered professional engineer in the State of Wisconsin.

In 2012, Mike served the Southeast Branch as a planning committee member for the Wisconsin Section Annual Meeting held in Pewaukee. Currently, he is a member of the Southeast Branch Membership Committee and is interested in advancing his role to that of Membership Committee Director. Mike is also active in STEM Forward

and has volunteered as an Engineer Mentor for the Future City Competition for the past three years. He also recently accepted an invitation to serve as ASCE Southeast Branch Younger Member Group Outreach Co-Chair.

Director – Kerry Meyer

YOUNGER MEMBER GROUP

President – Kyle Bareither

Mr. Kyle Bareither graduated with a B.S. in Environmental Engineering from Michigan Technological University in May of 2007. Since his graduation, Kyle has been practicing environmental consulting with the same employer, Natural Resource Technology, Inc. (NRT), headquartered in Milwaukee, WI. Common responsibilities at NRT include, design, implementation and oversight of environmental remediation projects. Over the past few years, Kyle has volunteered/assisted in multiple ASCE YMG events in the Milwaukee area in order to bring awareness to the profession in southeast Wisconsin.

Vice-President – Ryan Bowers

Mr. Bowers graduated with a B.S. in Civil Engineering from the University of Wisconsin – Platteville in May 2006 and a M.S. in Civil Engineering from Iowa State University in 2009. He has worked as a structural engineer at GRAEF since 2008 and out of the Milwaukee office since 2011. Ryan has been a member of YMG for the past three years.

Secretary – Justin Flickinger

Justin Flickinger graduated with a B.S. in Civil Engineering from the University of Wisconsin-Milwaukee in December, 2008. He is working towards a Master's of Science from the University of Wisconsin-Milwaukee and plans on a graduation date of May, 2015. His research focus is in the area of materials engineering, characterizing coal fly ash for use in a multitude of construction materials. He is currently employed as a staff engineer at K. Singh & Associates Inc.

Treasurer – Aaron Schramm

Mr. Schramm graduated with a B.S. in Civil Engineering from the University of Wisconsin – Milwaukee in May, 2010. While at UWM he served as the student chapter President for one year and Vice-President two years. He received the Wisconsin Outstanding Civil Engineering Student Award from the ASCE Wisconsin Section in 2010. He has been employed with exp US Services (Formerly Teng & Associates) since 2011, focusing on both civil design and construction engineering/management.

Co-Outreach Chair – Tony Castle

Mr. Castle graduated with a B.S. in Civil Engineering from the University of Wisconsin – Milwaukee in May 2009 and received a Master's of Science in Structural Engineering from the Milwaukee School of Engineering in March 2014. He is a Structural Engineer at EMCS, Inc. in Milwaukee WI. Tony has volunteered as an Engineer Mentor for the Future City Competition and is a member of the STEM Expo planning committee.

Co-Outreach Chair – Patrick Flaherty

Mr. Flaherty graduated from the Milwaukee School of Engineering with a B.S. in Architectural Engineering and an M.S. in Structural Engineering. After graduation, Patrick began working as a Project Engineer for Riley Construction Company, Inc. While attending MSOE, Patrick was actively involved with the student chapter of ASCE as a member of the Steel Bridge team and serving as the chapter's President in 2012-2013 and the Outreach Coordinator in 2013-2014.

Co-Social Chair – Josh Mitchell

Mr. Mitchell graduated with a B.S. in Civil Engineering from the University of Wisconsin – Milwaukee in December of 2012, and is currently working towards a Master's of Science from the University of Wisconsin – Milwaukee. While attending UWM, he was actively involved in the student chapter and served as the chapter's President. He interned for Patrick Engineering for two years focused on bridge design and roadway construction and currently is a Staff Engineer with Patrick Engineering working in bridge design and construction inspection.

Co-Social Chair – Open

Student Chapter Liaison– Brett Kash

Mr. Kash graduated with a B.S. in Architectural Engineering and a B.S. in Construction Management from the Milwaukee School of Engineering in June 2014. During college, Brett interned with Boldt Construction in the Preconstruction group and as a Field Engineer. Brett is currently employed at Mortenson Construction as a Field Engineer.

Wisconsin PE PDHs needed by July 31

Article By: Brian Genduso

As many of you know, Professional Engineers registered in Wisconsin need 30 continuing education credits every two years. The first biennium will end on July 31 of this year. Because this deadline is coming up quickly, we are reprinting a summary which was compiled by former Branch President, John Tsouflias.

WI PE's need 30 recorded PDHs/biennium or lose WI PE license...**(30 PDHs = 2 ethics PDHs + 13 interactive presentation PDHs + 15 additional approved PDHs)**

Professional Engineers in Wisconsin will be required to obtain 30 approved Professional Development Hours (PDHs) every biennium (2 years) beginning August 1, 2012. The first biennium will end on July 31, 2014. (Exception: New registrants shall not be required to comply with the continuing education requirements for the first renewal of registration) A PDH is a period of 50 minutes of actual instruction or participation in an approved educational activity. PDHs should be rounded down to the nearest half hour and reported in no less than half hour increments.

During each biennium, a minimum of 2 PDHs must be obtained in the area of professional conduct and ethics, and a minimum of 13 PDHs must be obtained via courses where the registrant interacts in real time in a traditional classroom setting, computer conferencing, or video conferencing where participants can interact with each other and the instructor. If a registrant obtains more than 30 PDHs in a biennium, a maximum of 15 of the excess PDHs may roll-over to the next biennium. Roll-over PDHs cannot be used to satisfy the 2 ethics PDH minimum or the 13 interactive course PDH minimum requirements. PDHs can be obtained through the following means:

- Engineering courses at an accredited school or college (semester = 45 PDHs; quarter = 30 PDHs).
- Short courses or tutorials offered through correspondence, DVDs, or the internet.
- Presenting or attending qualifying seminars, technical presentations, conferences, etc.
- PDHs for teaching/instructing a given course for the first time (multiply approved teaching PDHs by a factor of 2).
- Authoring published papers, articles, or books in your area of professional practice (5 PDHs granted in publishing year; 10 PDHs for peer-reviewed journals).
- Actively participating in professional societies (2 PDHs for participation as an officer or committee member per organization per year; maximum 4 PDHs per biennium).
- Attainment of a patent in area of professional practice (10 PDHs per patent).

A professional engineer who fails to meet the continuing education requirements by the renewal date may not engage in the practice of professional engineering until the registration is renewed. The professional engineer section may conduct random audits to ensure compliance. It is the PE's responsibility to maintain their records as follows:

- Maintain records in a log for a minimum of the 3 most recent biennia.
- Maintain a file of completion certificates or other documents supporting evidence of attendance for all reported PDHs.
- If a **course** (not a 1 hour presentation) was awarded Continuing Education Units (CEUs), convert CEUs to PDHs on log sheet. (1 CEU = 10 PDH)

Additional details and information can be found in the attached code section: Chapter A-E 13 Continuing Education for Professional Engineers. All engineers should read the 2 page document and understand what is required.

Free Continuing Education Credits from ASCE

Editor's Note: In light of the article above, here is some information on obtaining free CE credits through ASCE.

As an ASCE member, you have free access to live and archived eLearning Webinars – **each a \$249 value** – that will help you enhance critical career skills in areas including professional and leadership development, technical interests, and many other areas. Developed by experts in their respective fields, ASCE's live eLearning webinars are held throughout the year, plus many are archived for access at your convenience. Check the schedule and the archive.



<http://www.asce.org/Member-Benefits/ASCE-eLearning-Webinars>

Other Continuing Education Opportunities

Deterioration and Repair of Concrete

Concrete has been called durable but not eternal material. Despite its longevity, it eventually deteriorates and requires repair or replacement. This webinar focuses on repairing deteriorated concrete and restoring its structural capacity. (A related topic on strengthening concrete buildings in sound condition is addressed in a separate presentation.) The webinar provides a succinct overview of the issues involved in repair of concrete structures, with a focus on practical solutions useful for a design engineer.

The first step in a successful repair project involves damage assessment and arriving at a proper diagnosis. All too often, by the time concrete shows obvious signs of distress, and the owner wants it fixed, it may be too late, and replacement may be more effective. Accordingly, the webinar begins with a question of when concrete should be repaired and when it is best replaced. It continues with the topics of modern damage assessment methods and then with identification and repair of various kinds of concrete problems.

Much of the webinar is devoted to effective yet economical methods of repairing concrete structures. It addresses the most common challenges of concrete rehabilitation, including crack repair, patching, using strengthening methods in lieu of repair, choosing the most appropriate repair materials, and many more. Despite much advice available on the topic, many concrete repairs fail prematurely sometimes within a few years. The instructor explains where the common pitfalls of concrete repairs lie and how to avoid them.

Register at: <http://mylearning.asce.org/diweb/catalog/item/id/198161>

Groundwater Treatment Technologies

This webinar discusses treatment technologies that have been developed to help meet treatment challenges, possibilities for removing multiple contaminants, and understanding of how treatment technologies work. Groundwater depletion is a worldwide issue, and hydraulic fracturing (fracking) has raised concerns about the quality of groundwater. Between 1960 and 2000 the rate of groundwater withdrawal doubled and now roughly accounts for 40% of developed fresh water supplies.

As more and more groundwater is developed the treatment challenges for groundwater have expanded significantly, and include a full spectrum of contaminants including microbiological, inorganic chemicals, synthetic organic chemicals, volatile organic chemicals, and radionuclides. Treatment technologies have been developed that can meet these treatment challenges, and are often very cost effective and innovative.

Register at: <http://mylearning.asce.org/diweb/catalog/item/id/216382>

'Get to Know Your Board' – Brad Kwaterski

Throughout the year, we continue this series by getting to know Brad Kwaterski, who recently filled the role of Public Information Chair which was vacated by President-Elect Jeremy Hinds.

Where did you go to school? Marquette University, graduated in May 2011 with my major in civil engineering

Do you have any hobbies? I enjoy watching F1 racing, listening to music, running, traveling, and recently I have started getting into cooking.

What is your favorite television show(s)? Arrested Development (The first three seasons), House of Cards

What is the highlight of the past year? Took a drive from Wisconsin to Oregon. I stopped at the Badlands, Black Hills, and took a detour south and went through Salt Lake City.

What did you want to be when you grew up? I wanted to run my Dads hardwood flooring manufacturing business. But then he told me not to ever own a business or get into retail ;-)

What is the best place that you have visited? London, England. I would like to live there for at least a part of my life. It's a fantastic city.

A place you would like to visit before you die? Monaco for the Monaco Grand Prix. I'd probably give up a kidney to go to that race.

How did you get involved in ASCE? I started at MU and helped out when I could on the concrete canoe team.

What do you like best about ASCE? The field visits, member discounts, and ways to continue learning

What advice do you have for ASCE members? So I myself have to work on these but I ran across this article yesterday and think it's good advice. "7 Bad Speaking Habits That Turn People Off"
<http://www.businessinsider.com/julian-treasure-bad-speaking-habits-2014-7>

Newsletter Publication

We welcome your articles, letters & news items for publication in the ASCE SE Branch Newsletter.

Advertisements and job postings are also accepted by contacting:

Brian Genduso, P.E. – 414.278.9200 – bjg@spireengineer.com

Deadline for next issue is the first of the month.

This is a paid advertisement, and is not affiliated with ASCE.

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MARCH 2014 MILWAUKEE

**TECHNICAL EXCELLENCE,
INNOVATION,
DYNAMIC TEAMWORK**

Natural Resource Technology, Inc. (NRT) delivers solutions for the development, management, restoration, and sustainability of our natural resources.

NRT is an employee-owned, diverse, and growing environmental consulting organization that is unique in our commitment to our greatest asset, our human resources, and the power of our shared vision. We offer career advancement opportunities that reward energetic individuals who contribute to our success in exceeding our client's expectations. NRT fosters career advancement with management guidance and technical training that enable our team members to manage, enhance, and accelerate their career development.

Submit resumes at:
<http://www.hirebridge.com/v3/jobs/list.aspx?cid=6956>

Contacts for Questions:
 Becky Caudill, HR Manager
 234 W Florida, Fifth Floor
 Milwaukee, WI 53204
 414.837.3580
rcaudill@naturalrt.com

www.naturalrt.com

Natural Resource Technology, Inc.
 is an Equal Opportunity Employer

Natural Resource Technology, Inc. (NRT) is seeking a qualified CAD Technician to join our Mapping Team. This is a great opportunity to work on environmental remediation projects independently and collaborate with our talented teams of Engineers and Scientists. As a CAD Technician, you will prepare detailed drawings sets for permitting, bidding, construction, and documentation. The ideal candidate will work efficiently with quantity take-offs and site grading. Moreover, the position will be required to manage and communicate project deadlines by working with Project Managers and Administrative staff to complete work on time and on budget.

NRT is an environmental consulting firm serving both private and public sector clients. NRT's staff includes nationally recognized experts in environmental fields such as: contaminated sediment management, site remediation technologies, and coal combustion product management. Our continuing success is founded on the relationships we build with our clients and on our ability to attract and retain highly talented engineering, scientific, and business professionals with a shared vision: smarter solutions, exceptional service, value.

Essential Position Functions:

- Work closely with Project Engineers and Project Managers to obtain project information and ensure project plan sets and documents are accurate and complete
- Develop drafting and design solutions by preparing maps or engineering drawings through computer aided drafting
- Compile drawing representing various engineering features such as graded terrain, utilities, material stockpiles, open pits, channels, ponds, and other surface features.
- Support cost/quantity estimates and design calculations as requested. May assist in report writing
- Responsible for product quality control and adherence to company CAD standards and procedures
- Utilize problem-solving skills with the ability to identify and present alternative solutions
- Ability to proactively manage schedules and apprise team members on work schedule and status
- Provide technical guidance to project design team for completing environmental and remedial designs and layouts

Preferred Qualifications:

- Comprehensive knowledge of AutoCAD 2012 or later versions preferred
- Knowledge of AutoCAD Civil 3D a plus
- Technical training, Associate or Bachelor Degree in a related area
- MS Office knowledge (Excel required, Access a plus); familiarity with Adobe Acrobat Professional
- Civil/Environmental engineering experience desired (e.g., grading, utilities, landfills, construction documentation, bid packages)
- Ability to communicate professionally and work with staff in multiple offices to develop and maintain drafting standards

Position: CAD Technician
Position Location: Milwaukee, WI
Position Start: April, 2014
Position Classification: Hourly (Non-Exempt) Full-time

