

August 2016

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Upcoming ASCE Events

- August 8**
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 Awards Dinner
- May 19**
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- May 20**
 America’s Central Port Tour



Please join us for a
Joint Luncheon Meeting

Sponsored by the St. Louis Sections of

ASCE and NSBE

Monday, August 8, 2016

Engineers’ Club of St. Louis

4359 Lindell Blvd, St. Louis, MO

Doors Open: 11:30 AM • Program Begins: 12:00 PM

TOPIC: STATE OF THE CORPS OF ENGINEERS – ST. LOUIS DISTRICT

SPEAKER: COLONEL ANTHONY P. MITCHELL

Col. Mitchell will share with us the state of the Corps of Engineers in the St. Louis District and cover some current projects and initiatives in the region. The St. Louis District, which encompasses 28,000 square miles and is almost equally divided between Missouri and Illinois, is an engineering and water resource agency dedicated to maintaining a proper and healthy balance of the varying uses of the heartland's waterways. The St. Louis District also operates and maintains five lakes and their associated recreational areas. These lakes, which serve a variety of purposes ranging from flood protection and recreation to potable water supply and hydroelectricity, average over 15 million visitors a year.



ABOUT THE SPEAKER:

Col. Anthony P. Mitchell assumes duties as the 51st Commander of the St. Louis District after serving as the Director, Operational Energy and Contingency Basing Task Force, Office of the Assistant Secretary of Army (Installations, Energy and Environment) with service in the Pentagon on 20 July 2013. In this position, he supported the Deputy Assistant Secretary of the Army (Energy and Sustainability) as the principal advisor to the Assistant Secretary of the Army (Installations, Energy and Environment) on matters related to operational energy and contingency basing.

He has served in numerous engineer leadership positions that include both command and staff assignments: Commander, Bravo Company, 168th Engineer Battalion, Fort Lewis, Wash.; Commander, Nashville District, Nashville, Tenn., United States Army Corps of Engineers; and Commander (Fwd), Iraq Area Office, Middle East District, United States Army Corps of Engineers, Baghdad, Iraq (in support of United States Forces-Iraq and the Office of the Security Cooperation-Iraq).

Col. Mitchell holds a Bachelor of Science Degree in Biology from Prairie View A&M University, a Master of Science Degree in Engineering from the University of Texas at Austin; and a Masters of Arts in Strategic Security Affairs from the National Defense University.

EVENT REGISTRATION:

Please register no later than August 4th

Online registration link: <http://goo.gl/m2FL4u>



Costs for ASCE and NSBE members is \$15, Student members only \$5. One PDH will be offered.

ASCE is charged for all reserved lunches. If you've signed up and can't make it, please cancel by August 5th or we will charge you for the meal.

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President's Message

Michael Buechter

I hope you will be able to join us for our monthly luncheon Monday, August 8th. Col. Anthony P. Mitchell, 51st Commander of the St. Louis District of the Corps of Engineers will share with us the state of the St. Louis District and cover some current projects and initiatives in the region. The St. Louis District, which is almost equally divided between Missouri and Illinois, is dedicated to maintaining a proper balance of the varying uses of the heartland's waterways. Accordingly, I am sure Col. Mitchell will have much to share and look forward to seeing you there.

Our August meeting is a joint meeting between ASCE and National Society of Black Engineers (NSBE) Saint Louis Gateway Professionals. This meeting is coordinated by our Diversity and Inclusion Committee. Thanks to the work of this committee The St. Louis Section was recently awarded the ASCE Section and Branch Diversity Award for the third year straight. Activities undertaken by this committee serve as a great advertisement of our ASCE Section and include things such as:

- Participation at the Expanding Your Horizons in Mathematics and Science Conference for the Math/Science Network of Greater St. Louis
- Gold Sponsor and attendance at NSBE's Annual Scholarship & Awards Program
- Co-Sponsor with NSBE and St. Louis Community College at Florissant Valley for "A Walk for Education"
- Joint luncheons with ASCE and NSBE
- Participation in Cor Jesu High School's (an all-girls school) job shadowing program and Summer Engineering Experience (S.E.E.)
- Aaron Greenberg Scholarships
- Coordination with Girl Scout STEM

The Diversity and Inclusion Committee has been chaired for several years by Mr. Steven Randolph P.E., also a Past-President of the St. Louis Section. Steve not only led this committee with aplomb but has been an inspiring spokesman for the profession. But alas Steve is moving on to other challenges and we wish and gratitude for service well rendered. The Diversity and Inclusion Committee will be placed in the capable hands of Ms. Melantha Norton P.E. who is sure to keep us on track.

Our Annual ASCE/ASLA Golf Tournament will be on August 29th at the Forest Park Golf Course. The golf tournament helps support ASCE's commitment to educating the youth of the St. Louis community about the roles of Engineers. Accordingly benefits from the tournament go to support scholarships to members of the section student chapters at SIU-Edwardsville, SIU-Carbondale, University of Missouri - Columbia, and Missouri University of Science and Technology and Saint Louis University. The Section Board will have a team competing in the golf course so I hope you will join in for a worthy cause.

If you have other causes you wish to suggest or wish to become more active in ASCE please call or email me, Michael T. Buechter at 314-768-2772 or mtbuec@stlmsd.com.

Michael T. Buechter, P.E.

Paul Hammond Memorial

In Memory of

Paul G. Hammond, P.E., F.ASCE

1951 – 2016

Paul Hammond passed away on June 14 at Mercy Hospital after a long battle with complications stemming from diabetes. Paul was very active in the St. Louis Section, including serving as Section President in 1994-1995. He was a Fellow and Life Member of ASCE. He was also a member of SAME and Tau Beta Pi.

Paul graduated with a B.S.C.E. from University of New York at Buffalo in 1972. He worked for Massman Construction Company from 1977 until his retirement in 2013. He had extensive experience in heavy construction, and in the design and construction of all types of marine structures on major rivers throughout the central United States, including bridges, locks & dams, shipyards and docks. He was also involved in the construction of two nuclear power plants early in his career. Some of his clients included: Ameren Missouri, City of St. Louis, City of Kansas City, Bechtel, BP Worldwide, 7 Districts of the U.S. Army Corps of Engineers, Holcim Cement, Missouri DOT, and MFA.

Paul was very well liked and highly regarded by everyone who knew and worked with him.

(by Jeff Fouse, P.E., F.ASCE)

ASCE Younger Members

September YMG Meeting:

Tuesday, September 13, 2016

Start Bar

1000 Spruce St. 1W Front, 63102

6 pm to 8pm

<http://startbarstl.com/>

ASCE Networking Events



Dear ASCE / ASLA Members and Friends,

It is golf tournament time again, and we want to start by saying thank you to those of you who helped make last year's ASCE / ASLA Golf Tournament a great success. We believe this partnership of the American Society of Civil Engineers and the American Society of Landscape Architects is a natural partnership that has increased the benefits for all who participate, and provide an enjoyable opportunity for our members and friends to interact outside the office.

ASCE-St. Louis and ASLA St. Louis Chapter are committed to educating the youth of the St. Louis community about the roles of engineers and landscape architects in our lives, and encourage students to pursue these professional careers. The golf tournaments help support these programs and this will not change. The following is a brief summary of the programs supported by this tournament for each chapter.

ASCE annually presents scholarships to members of the section student chapters at SIU-Edwardsville, SIU-Carbondale, University of Missouri - Columbia, and Missouri University of Science and Technology. Section members also participate in programs such as MATHCOUNTS, Zoom Into Engineering, Future Cities and Building Big as well as volunteering for classroom visits and career fairs.

ASLA supports the The Jerry Loomis Scholarship in Landscape Architecture, sponsored by the American Society of Landscape Architects St. Louis Chapter with a portion of the proceeds. Additional proceeds are used to support the chapter and advance the profession and educate youth to the opportunities presented within landscape architecture.

We want to thank you for your participation and support, and look forward to seeing you at Forest Park Golf Course on Monday, August 29, 2016. A registration form with additional information regarding the tournament and involvement opportunities is attached. Space is limited so we encourage you to ensure your spot in the tournament now!

If you have any questions please give us a call.

Sincerely,

The 2016 Annual ASCE / ASLA Golf Tournament Organization Committee

Matthew Glisson, ASCE

Chris Moon, ASLA

Felipe DeNarvaez, ASLA

With thanks to our sponsors:





- I would like to enter the 2016 ASCE / ASLA Golf Tournament / \$125 per person or \$500 for team of 4
 Entry fee includes: Green fee and cart, lunch, refreshments on the course, range balls, \$10,000 hole-in-one contest and other prizes / Dinner and Awards
 Entry Deadline: **Friday, July 29, 2016** / Space is limited - payment must accompany entry to reserve your spot

Registration Information 11:00 AM Check-In / 12:00 PM Lunch / 1:00 PM Shotgun Start - Scramble

Contact Name: _____ Company: _____

Address: _____

Phone: _____ Email: _____

- I would like to be a Refreshment Sponsorship - \$600.00 (4 total)
 Includes: Recognition in print at registration table, on refreshment carts and stations located throughout the course.

- I would like to be a \$10,000 Hole-in-One Sponsorship - \$300.00 (4 total)
 Includes: Recognition in print at registration table and on sign located at hole-in-one holes on the course.

- I would like to be a Lunch & Dinner Sponsorship - \$250.00 (8 total)
 Includes: Recognition in print at registration table and serving and dining tables for lunch and dinner

- I would like to be a Hole Sponsorship - \$150.00 (unlimited)
 Includes: Recognition in print at registration table, on refreshment carts and stations located throughout the course.

- I would like to donate items for the Golf Gift Bags / Door Prize Drawing to promote my business to the players. 100 bags will be assembled with identical contents, please plan on donating 100 of the identical item for the bags (koozies, rain ponchos, golf tees, golf balls, coupons, water bottles, etc.) Door prize drawings occur at the awards reception, donated items could be golf related or more general in nature. Any items to be donated should be coordinated with the planning committee and available for delivery / pick-up by August 26, 2016.

- Sign me up for ___ Team(s) of Four \$500 or ___ Player(s) at \$125 each or ___ Dinner(s) Only at \$20 each

Name: _____	ASCE* <input type="checkbox"/>	ASLA* <input type="checkbox"/>	Name: _____	ASCE* <input type="checkbox"/>	ASLA* <input type="checkbox"/>
Name: _____	ASCE* <input type="checkbox"/>	ASLA* <input type="checkbox"/>	Name: _____	ASCE* <input type="checkbox"/>	ASLA* <input type="checkbox"/>
Name: _____	ASCE* <input type="checkbox"/>	ASLA* <input type="checkbox"/>	Name: _____	ASCE* <input type="checkbox"/>	ASLA* <input type="checkbox"/>
Name: _____	ASCE* <input type="checkbox"/>	ASLA* <input type="checkbox"/>	Name: _____	ASCE* <input type="checkbox"/>	ASLA* <input type="checkbox"/>

*Please check an appropriate box if you would like your registration contribution directed to a specific organization. Registration fees not specified and all sponsorship donations will be divided evenly between the ASCE and ASLA scholarship funds.

PAYMENT: This year, we have introduced an online payment option. Please indicate below your preferred payment method. Instructions will be sent via email once you submit this form.

- CREDIT CARD (Visa, Master Card, Discover) CHECK

Please email completed registration forms by July 29, 2016 to: Matt Glisson, ASCE OR Chris Moon, ASLA
mglisson@brauintertec.com chrism@swtdesign.com

JOIN US FOR THE
ASCE ST. LOUIS SECTION
2016 ANNUAL AWARDS DINNER
FRIDAY, SEPTEMBER 23, 2016

Sqwires Restaurant
Sqwires Annex



1415 South 18th Street
St. Louis, MO 63104

Cocktail Hour: 6:30 – 7:30 PM
Dinner: 7:30 PM

PROGRAM TO INCLUDE:

Presentation of St. Louis Section Awards
Introduction of New Section Officers
Live Music

Cost: \$40.00 Members, Guests and Students
Hors d'oeuvres and Dinner †Limited Open Bar †Free Parking

REGISTRATION:

Please register no later than September 9th

[REGISTER ONLINE HERE](#)

QUESTIONS?

Contact: Melantha Norton, Annual Dinner Chair
mnorton@stlmsd.com
314.335.2086





GEO-
INSTITUTE



STRUCTURAL
ENGINEERING
INSTITUTE
St. Louis Chapter



Geo-Structures Confluence

CALL FOR ABSTRACTS!

Friday, November 4, 2016

St. Charles Convention Center

St. Charles, Missouri

The St. Louis Chapters of the Geo-Institute (GI) and Structural Engineers Institute (SEI), and the Structural Engineers Association of Kansas and Missouri (SEAKM) are now accepting abstracts for the first annual Geo-Structures Confluence (this conference replaces the sixth annual GeoConfluence and SEI Day). Geo-Structures Confluence, which is open to all, will be a multi-track, full-day conference focusing on soil-structure interaction featuring technical topics and case histories. The joint morning session will be focused on topics concerning the combination or overlap of geotechnical and structural engineering on projects. There will be two tracks in the afternoon: one track including sessions on geotechnical engineering and geo-environmental topics and one track focused on structural engineering topics.

The conference planning committee is seeking speakers to provide a 30- to 60-minute presentation focused on structural engineering, geotechnical engineering, or geo-environmental topics with specific preference given to topics that overlap these focus areas. All persons are encouraged to submit an abstract to Nicholas Roth at nicholas.roth@psiusa.com by July 25, 2016. Abstracts should be limited to 250 words. Once the planning committee has reviewed the abstracts, notification will be provided to the selected presenters by August 12, 2016. The submitted abstracts and presentation slides will be assembled and included in the conference publication.

Employment Opportunities



Geotechnical Engineer Position Part Time St. Louis, Missouri

MAAG GEOTECHNICAL SERVICES, INC. is a full service geotechnical engineering firm seeking a part time engineer (20 hrs per week) with a minimum of an "EI" classification.

Primary responsibilities will include:

- Coordination of field and laboratory testing for subsurface explorations for residential and commercial projects.
- Preparation of written reports
- Retaining wall and slope stability design

Additional requirements:

- Word and Excel proficiency

Pay commensurate with experience

Please send your resume to:

MAAG GEOTECHNICAL SERVICES, INC.

Marlene@maag-geo.com

Briem Engineering – Forensic Structural Engineer

Responsibilities and Deliverables

- Provide professional structural engineering analysis and consultation to Briem Engineering clients
- Conduct on-site investigations including structural evaluations, visual observation, interviews of points of contact, plan reviews, existing document reviews. Research numerous sources to include building department records, codes, standards, technical papers, text books, handbooks, and the internet to obtain background necessary to analyze onsite observations.
- Document existing site conditions using scaled sketches and/or diagrams, measurements, evidence collection, and photographic documentation
- Perform hand and computer assisted structural calculations in accordance with modern and historic buildings codes in support of investigations
- Use understanding and knowledge of engineering principles and methods, codes, industry standards, and knowledge of real world situations to analyze available data and determine the origin, cause, and extent of property damage and equipment failure for residential, commercial, and industrial buildings and sites
- Communicate findings to clients via technical reports
- Provide expert testimony at mediations, arbitrations, depositions, and/or trial to meet client needs
- Comply with Briem Engineering and OSHA safety standards to include use of personal protective equipment

- Comply with all Briem Engineering policies and procedures

Position Requirements

- Must conduct business in an honest and ethical fashion at all times
- Must be able to pass a background check. Must be able to pass Briem Engineering's written pre-employment tests
- Must be able to pass Briem Engineering's pre-employment drug test, and random drug testing.
- Must have a valid driver's license and a driving record that is acceptable to Briem Engineering. Must be able to travel to client's job sites and offices as well as locations of mediations, arbitrations, depositions, and trials.
- Must be self-motivated and able to work independently and efficiently with minimal supervision to complete investigations and reports in a timely manner
- Must have excellent interpersonal communication (both face to face and via telephone), interview, and writing skills for both internal and external communication. Must be able to read, write, speak, and comprehend English. Must effectively communicate project progress and issues with the firm's principals and communicate with engineers and technicians supporting the project. Technical writing skills must be exceptional. The position requires the ability to communicate technical issues in clear and concise written reports to clients with limited understanding of structural engineering.
- Bachelor of Science degree in Engineering from an ABET accredited college or University. Master Degree in Civil or Structural Engineering is desirable.
- Minimum 5 years progressively diverse professional experience as a structural engineer. Experience providing forensic structural engineering services is a plus.
- Licensed Professional Engineer in Missouri and eligible for license in states in which projects occur. Structural Engineering license preferred.
- Must have excellent overall computer skills; be proficient with standard business applications to include Microsoft Office Suite (Excel, Word, PowerPoint, and Outlook); be proficient with AutoCAD; be experienced with structural analysis software packages
- Must be adaptable with the aptitude and willingness to learn new skills and techniques

Physical Requirements

- Must have visual acuity adequate to fulfil the requirements of and produce the deliverables of the position. This includes, but is not limited to, making field measurements and observations, reading information from printed sources, and reading computer screens.
- Frequently required to climb onto single and multistory roofs, ascend and descend ladders, stairs, scaffolding, ramps, etc. to inspect multi-story residential, commercial, and industrial buildings and sites. Must be able to access building elements such as attics, roof, crawlspaces, and confined spaces.
- Occasionally required to lift and/or move objects weighing up to 50 pounds.
- Frequently required to balance, stoop, kneel, crouch, squat, bend, reach, stand, walk, sit, push, pull, and crawl for prolonged periods of time
- Frequently required to reach with hands and arms and to use hands to finger, handle, or feel
- Frequently required to work in all types of weather conditions

Location

Saint Louis, Missouri 63045

Position Type

Full time employee

To Apply

Email resume to Patrick Lombard, Vice President, plombard@briemeng.com



MiTek® USA Inc., a subsidiary of Berkshire Hathaway, Inc. is the world's leading supplier of state-of-the-art, engineered connector products, engineering services, and computer-driven machinery for the building component industry. We provide the industry's most advanced, most comprehensive, and most innovative software for design and manufacturing. Our products and services are backed up by a team of industry professionals who are dedicated to one goal – making our customers successful.

We are seeking a dynamic and motivated **Design Engineer** who is responsible for reviewing customer specifications for building components; creating and reviewing parameters; making corrections; and preparing drawings for review and certification.

JOB TITLE: Design Engineer
DEPARTMENT: Engineering Department
REPORTS TO: Chief Engineer
LOCATION: Chesterfield, Missouri

Duties and Responsibilities:

- Reviews customer specified parameters for building components.
- Creates and reviews parameters against engineering standards.
- Modifies designs for compliance with applicable engineering codes and standards.
- Makes corrections and prepares drawings to be presented to the Professional Engineers (PEs) for review and certification.
- Discusses design modifications and reviews appropriate design methodologies with customers.
- Assists customers in troubleshooting issues and design problems.
- Discusses projects with Supervisor or Engineers for compliance with company policies and procedures.
- Design field repairs on components.

Qualified Candidates Will Possess the Following:

- Bachelor's Degree (four year college or technical school): Required. College degree in Civil Engineering or other related Engineering field.
- Strong skills in algebra, trigonometry, physics, statistics and strength of materials are preferred.
- Technical Skill - Must have solid engineering/technical skills, including attention to detail.
- Effectively communicate with co-workers and management regarding work and safety issues.
- Read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Write routine reports and correspondence.
- Read a tape measure, use micrometer, voltmeter, and calipers. Knowledge of blueprint reading a plus.
- Ability to interact at a high level of professionalism with others; including co-workers, vendors and customers.
- Attendance during regular work hours and overtime as required.

Interest:

For all qualified applicants interested in this position, please submit a resume to Jill Wise, Region Manager CPS, Corporate and Midwest at jwise@mii.com.

**MiTek offers competitive salaries and benefits including:
Medical, Dental, Vision, Vacation, Holidays, Life Insurance, Disability, 401(k) & Profit Sharing.**

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MiTek is an E-Verify and Drug and Tobacco-Free Workplace. MiTek is an EEO/Affirmative Action Employer. Our organizations do not allow discrimination in hiring/employment decisions based on race, creed, color, veteran status, sex, religion, national origin, age, physical or mental disability, genetic information or any other characteristic protected by law.

To submit items to the newsletter...

Please try to get all announcements for placement in the newsletter to the Newsletter Editor by the 15th of the month prior to publication. Items may be sent via e-mail to Joe Sturgeon at wsturgeon@hntb.com. MS Word files are the preferred file type. PDF files are also acceptable but may not look as sharp when inserted into the newsletter and hyperlinks might not carry through to the final version. For multiple page announcements, please consider providing a single-page flyer, concisely worded, with links provided to ancillary pages such as registration forms or other attachments. Also, please clearly include in the email subject line a concise title for the announcement and desired month(s) of publication.

Most news items will be available on the Section's Web Page, which can be reached via the link on ASCE National Website (www.asce.org). Click on "Geographical and International Units" to link to the Section or go directly to our page at: <http://sections.asce.org/stlouis/index.html>. The Section's Website Editor is Jeff Smith e-mail: JESmith@HNTB.com or via feedback directly from our website.

For more information and updates see our Web Page: [Http://sections.asce.org/stlouis/index.html](http://sections.asce.org/stlouis/index.html)

This newsletter will be sent to all Section members via e-mail. Delivery of the newsletter hardcopy by First Class mail will be made upon request. Members have the responsibility to keep their contact information in the ASCE national database up to date. Please note that the St. Louis Section is only provided with members' PRIMARY information on file at the Society level. To ensure that we can contact you, please edit your PRIMARY information to contain the information where you would like the section to contact you and how you would like your information to appear in our annual roster.

Please be sure to keep your PRIMARY contact information up-to-date by contacting ASCE at <http://www.asce.org>, or call 800-548-ASCE (2723).



**ASCE – St. Louis Section
c/o The Engineers' Club of St. Louis
4359 Lindell Blvd. St. Louis, MO 63108**