Dedicated to Strengthening our Critical Infrastructure

ELECTRICAL TRANSMISSION & SUBSTATION STRUCTURES CONFERENCE 2018

Atlanta, Georgia | November 4–8

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Mobile App Sponsored by:

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@ASCE_SEI
SUNDAY, NOVEMBER 4
8:00 a.m. – 4:00 p.m. Exhibitor Move-In
11:00 a.m. – 6:00 p.m. Registration & ASCE Bookstore
1:00 – 5:00 p.m. Pre-Conference Workshop
5:30 – 7:00 p.m. Grand Opening Reception in Exhibit Hall

MONDAY, NOVEMBER 5
7:00 a.m. – 6:00 p.m. Registration & ASCE Bookstore (Closed 1:30–2:30 p.m. for Lunch)
7:30 – 8:00 a.m. Breakfast
8:00 – 9:30 a.m. Opening Plenary Session with Keynote Address
9:00 a.m. – 4:00 p.m. Exhibit Hall Hours
9:30 – 10:15 a.m. Refreshment Break in Exhibit Hall
10:15 a.m. – 12:00 p.m. Technical Session 1
12:00 – 1:30 p.m. Lunch in Exhibit Hall
1:30 – 3:15 p.m. Technical Session 2
3:15 – 4:00 p.m. Refreshment Break in Exhibit Hall
4:00 – 5:30 p.m. Technical Session 3
7:00 – 8:30 p.m. Off-Site Reception–World of Coke

TUESDAY, NOVEMBER 6
7:00 a.m. – 6:00 p.m. Registration & ASCE Bookstore (Closed 1:30–2:30 p.m. for Lunch)
7:30 – 8:00 a.m. Breakfast
8:10 – 9:30 a.m. Technical Session 4
9:00 a.m. – 7:00 p.m. Exhibit Hall Hours
9:30 – 10:15 a.m. Refreshment Break in Exhibit Hall
10:15 a.m. – 12:00 p.m. Technical Session 5
12:00 – 1:30 p.m. Lunch in Exhibit Hall
1:30 – 3:15 p.m. Technical Session 6
3:15 – 4:00 p.m. Refreshment Break in Exhibit Hall
4:00 – 5:30 p.m. Technical Session 7
5:30 – 7:00 p.m. Networking Reception in the Exhibit Hall

WEDNESDAY, NOVEMBER 7
7:00 a.m. – 1:30 p.m. Registration & ASCE Bookstore
7:30 – 8:00 a.m. Breakfast
8:10 – 9:30 a.m. Technical Session 8
9:00 a.m. – 1:30 p.m. Exhibit Hall Hours
9:30 – 10:15 a.m. Refreshment Break in Exhibit Hall
10:15 a.m. – 12:00 p.m. Technical Session 9
12:00 – 1:30 p.m. Lunch in Exhibit Hall
1:30 – 2:50 p.m. Technical Session 10
1:45 p.m. Exhibitor Move-Out
2:50 – 3:35 p.m. Refreshment Break in Foyer
3:35 – 5:05 p.m. Technical Session 11
5:05 – 5:20 p.m. Conference Closing

THURSDAY, NOVEMBER 8
- Southwire Technical Tours – Ticket Required
- First bus departs outside Hyatt Regency at 7:30 a.m.
- Please arrive 15 minutes early. Southwire staff will not be able to hold buses for late arrivals.
- Tour approximately 4.5 hours

Mobile App
Make sure to use the mobile app for full conference schedule, Exhibit and Sponsor information, push notifications of onsite updates, and more. Download the “eventScribe” app from the Apple Store or Google Play Store. Once the app opens, use the “Search for an Event” field to search for “ETS”. Select this event to open the ETS 2018 event app. Once the event opens, select “Login” and enter your username (the email you used to register with) and password (mailed to you on October 23 or November 2). If you do not have an account, select “Create Account” to create an account directly in the app.

WiFi
Username: ETS2018
Password: TransAmerican

Proceedings
Pick up your proceedings at the Sabre-FWT booth (#134) in the Exhibit Hall before Wednesday at 1:30 p.m.

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SUNDAY, NOVEMBER 4

11:00 a.m. – 6:00 p.m. | Registration, Grand Hall Foyer

1:00 – 5:00 p.m. | Pre-Conference Workshop, Regency VII, 3.5 PDHs

ASCE/SEI Electrical Structure Standards and Guidelines: Technology Advancements

Moderator: Anthony M. DiGioia, Jr., Ph.D., P.E., Dist. M.ASCE
The pre-conference workshop will cover the brief history, existing principles, and upcoming changes to each of the ASCE/SEI Standards and Manuals of Practices (MoPs) that directly impact the electric power delivery industry.

Presenters:
- Kathleen Jones, M.S.E., M.ASCE – Ice Loading Provisions in ASCE/SEI Manual of Practice 74
- Frank Agnew, P.E., M.ASCE Chair of ASCE/SEI Manual of Practice 74: Guidelines for Electrical Transmission Line Structural Loading
- Robert Nickerson, P.E., F.SEI, M.ASCE – Chair of ASCE/SEI 10 Standard: Design of Latticed Steel Transmission Structures
- Kenneth Sharpless, P.E., M.ASCE – Chair of ASCE/SEI 48 Standard: Design of Steel Transmission Pole Structures
- Galen Fecht, P.E., M.ASCE – Chair of ASCE/SEI 104 Manual of Practice: Recommended Practice for Fiber-Reinforced Polymer Products for Overhead Utility Line Structures
- George Watson, P.E., M.ASCE – Chair of ASCE/SEI Manual of Practice 113: Substation Structure Design

5:30 – 7:00 p.m. | Grand Opening Reception, Exhibit Hall/Grand Hall

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MONDAY, NOVEMBER 5

7:00 a.m. – 6:00 p.m. | Registration, Grand Hall Foyer, Closed 1:30–2:30 p.m. for lunch

7:30 – 8:00 a.m. | Breakfast, Centennial Foyer

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Follow SEI on Twitter @ASCE_SEI

8:00 – 9:30 a.m. | Opening Plenary Session with Keynote Address and Award, Centennial Ballroom

“Engineering a New Frontier – The Next Age of Space Exploration”

NASA Astronaut Scott D. Tingle
Captain Scott D. Tingle was selected by NASA in 2009. Raised in Randolph, Massachusetts, he earned a Bachelor of Science in Mechanical Engineering from Southeastern Massachusetts University, and a Master of Science in Mechanical Engineering from Purdue University, West Lafayette, Indiana. Following graduate school, Captain Tingle spent three years with the Aerospace Corporation, El Segundo, California, as a member of technical staff in their Propulsion Department; and was commissioned as a naval officer in 1991. A veteran test pilot, he has accumulated more than 4,500 flight hours in 51 types of aircraft, 750 carrier arrestancements and 54 combat missions. Captain Tingle most recently served as Flight Engineer on the International Space Station for Expedition 54/55. Tingle returned to Earth after 168 days of living and working in low-Earth orbit.

Captain Tingle will provide a captivating account of his recent mission to the International Space Station. He will share details of his training, mission objectives, including his spacewalk, and he will give the audience a look at the future of human space flight. Captain Tingle will share how his engineering background was key to the success of his Expeditions and his career and how each of our engineering backgrounds provide critical leadership in our own area of work.

Gene Wilhoite Innovations in Transmission Line Engineering Award

Presented to an individual for significant contributions to the advancement of the art and science of transmission line engineering:

2018 Award Recipient: Archie D. Pugh, P.E., PMP, M.ASCE
Archie Pugh has a M.S. and B.S. in Civil Engineering from Virginia Polytechnic Institute & State University. He is a highly regarded leader in transmission engineering at AEP. For over twelve years, Archie had a critical role in the siting, permitting, design and construction of the Wyoming – Jackson’s Ferry, 765kV Transmission Line Project; the first 6 conductor bundle 765kV line in North America.

Archie’s strong leadership skills, willingness to share his knowledge and experience, and continuous education of his staff and peers in the electric utility industry provide a strong basis for his selection as this year’s recipient. These attributes were key to the success of the Wyoming-Jackson Ferry project and continue to be in his current position overseeing operations of AEP’s transmission system in 7 states. Archie has also been an important contributor to the SEI ETS Conference since 2006 (Chair in 2012) and a past member of MOP 113.

As with all past recipients, Archie’s contributions to the advancement of the art and science of transmission line engineering make him well worthy of the “Gene Wilhoite Innovations in Transmission Line Engineering Award”.

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9:30 – 10:15 a.m. | Refreshment Break, Exhibit Hall

Sponsored by: 

10:15 A.M. – 12:00 P.M. | Session 1: Structural Analysis 1, Centennial Ballroom

Session Lead: Ron Carrington, P.E., M.ASCE
And they’re off! First out of the gate is analysis and design of transmission structures. Coming into the first turn we focus on mitigation of latticed tower deflections during construction and then give guidance on designs requiring non-traditional modeling. In the back stretch we’ll look at pole structures. Wood v. Steel – it’ll be a photo finish! Then we’ll cross the line with a study of steel pole performance in different environments.

Lattice Tower Deflection and Modeling of the Structure and Spans in Practice

Lattice Transmission Structures: Challenging Modeling Scenarios that Require Non-Traditional Analysis Methods
Kevin M. Wortmann, P.E., S.E., Ryan Z. Hann, P.E., POWER Engineers

Wood v Steel; Dawn of Justice

Recent Duke Energy’s Studies to Develop Transmission Pole Standard
Prasad Yenumula, Ph.D., MBA, P.Eng., M.ASCE; Jimmy Robinson, Jr., P.E. Duke Energy; Neal Murray, MSME, Electric Power Research Institute

12:00 – 1:30 p.m. | Lunch, Exhibit Hall/Grand Hall

Sponsored by: 

1:30 – 3:15 p.m. | Session 2: Special Design Considerations 1, Centennial Ballroom

Session Lead: Tim Cashman, P.E., M.ASCE
We all know transmission lines look great in the air, but not so much when on the ground! Luckily this session will provide you with valuable insight on not only how to make them look even better through aesthetic design techniques (I know, hard to imagine) but also additional design guidance on reliability and tornado loading to help them stay upright.

Question: What is an Acceptable Target Reliability for High-Voltage Transmission Lines?
Leon Kempner, Jr., Ph.D., P.E., F.SEI, M.ASCE, Bonneville Power Administration

Aesthetics AND Infrastructure; Accomplishing Both with Better Overall Results for Power Delivery Projects
Kenneth Sharpless, P.E., M.ASCE, TAPP Inc.; Lynda Kiejko, P.E., M.ASCE, AltaLink

3:15 – 4:00 p.m. | Refreshment Break, | Exhibit Hall/Grand Hall

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4:00 – 5:30 p.m. | Session 3: Special Design Considerations 2, Centennial Ballroom

Session Lead: Wes Oliphant, P.E., F.SEI, F.ASCE
“Whole lot of shakin’ going on!” Addressing wind induced vibration is one of the toughest design challenges. This session answers questions; how to analyze and mitigate wind induced vibrations in transmission structures? And, when and how to secure steel davit arms used on tubular steel poles? When and where to use toughened steel for latticed steel towers is also addressed.

Embrittlement in T.L. Lattice Steel Structures: Specifying Energy Absorption Criteria
Jonathan Kell, P.Eng., Manitoba Hydro; Katherine Bridwell, P.E., P.Eng., POWER Engineers; Bhargava Vantari, Nucor Steel; Cesar Aguilar, M&S Engineering

Securing Steel Davit Arms: When and How?
Blake Tucker, P.E.; Nancy Z. Fulk, Ph.D., P.E.; Dave Parrish, P.E., American Electric Power

Modeling and Quantifying the Aerodynamic Characteristics of Transmission Line Structures to Avoid and Mitigate Aeolian-induced Vibrations
Erik A. Ruggeri, M.S., P.E., POWER Engineers

7:00 – 8:30 p.m. | Offsite Reception, World of Coke

Join your colleagues for a night out at the World of Coke, where you can sample Coca-Cola flavors from around the world, explore the history of Coke, get a behind-the-scenes look at the bottling process, and hang out with the famous Coca-Cola polar bear! Remember to bring your ticket with you so you can enter the event.

Walking Directions to World of Coke: Exit Hyatt Regency Atlanta onto Baker Street heading towards Peachtree Street NE, walk three blocks and then turn right onto Centennial Olympic Park Drive NW, World of Coke will be on your left. About a six-minute walk.

Address:
121 Baker St NW, Atlanta, GA 30313

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Join the Conversation #ETSC18 | 5
Session Lead: Robert Nickerson, P.E., F.SEI, M.ASCE
Modernized methods and tools to analyze single angle latticed tower members for climbing loads, plus we’ll step it up and tell you all about how to meet the new OSHA 100% connection requirements for fall protection. Also, you’ll hear how design issues, including climbing access, were solved on a 300’ tall tower crossing structure.

Heel or Toe? The Transmission Engineer’s Guide to Single Angles in Flexure
Aaron P. Darby, P.E.; Mary Jane McMillen, P.E., M.ASCE; Nancy Z. Ful, Ph.D., P.E., American Electric Power; Robert Nickerson, P.E., F.SEI, M.ASCE, Consulting Engineer

Updated Fall Protection Efforts for Transmission Structures
Mark D. Nelson, P.E., S.E., M.ASCE; David E. O’Claire, P.E., M.ASCE, Bonneville Power Administration

Crossing the Delaware with PECO and a 300 ft. Tall H-Frame Structure
Kalpesh Patel, P.E.; Guy Fairies, P.E., Trinity Meyer Utility Structures

TUESDAY, NOVEMBER 6
7:00 a.m. – 6:00 p.m. | Registration, Grand Hall Foyer, Closed 1:30 – 2:30 p.m. for lunch
7:30 – 8:00 a.m. | Breakfast, Centennial Foyer

Sponsored by: PLH GROUP

8:10 – 9:30 a.m. | Session 4: Structural Analysis 2, Centennial Ballroom

9:30 – 10:15 a.m. | Refreshment Break, Exhibit Hall/Grand Hall

Sponsored by: BURNS MCDONNELL

10:15 a.m. – 12:00 p.m. | Session 5: Foundations, Centennial Ballroom

Sponsored by: Osmose.

3:15 – 4:00 p.m. | Refreshment Break, Exhibit Hall/Grand Hall

Session Lead: Dana Crissey, P.E., M.ASCE
This Foundation session provides an answer to the eternal question “to bore, or not to bore!” You’ll also hear how the ATC Bay Lake project team incorporated steel vibratory caisson foundations and how you may be able to do the same, some best practices for selecting the appropriate transmission line foundation when dealing with challenging environmental conditions, and a bold first step towards developing industry guidelines for designing foundations that are practical, reliable and economical.

Practical Collaborative Approach to Alternative T-Line Foundations
Bridget Honsey, P.E.; Jacob Hexum, EIT, Black & Veatch; Cole Vosters, P.E., M.ASCE; Michael Bradley, P.E.; Clifford Van Den Elzen, American Transmission Company

The Value of Structure-Specific Borings: Statistical Analysis of Electrical Transmission Line Structure Foundation Costs Based on Structure-Specific Borings Versus No Borings or Variable Boring Spacing
Darren Ratliff, P.E., Ameren; Dan Whalen, P.E.; Bob Chantome, P.E., S.E.; James Knutelski, P.E.; Kevin Schilling, P.E., Hanson Professional Services Inc.

Guide for Transmission Line Foundations with Least Impact to the Environment

Groundwork for Developing Comprehensive Transmission Line Foundation Design Guidelines
Steve Daviddow, P.E., C.E., P.Eng., M.ASCE, Quanta Subsurface; Peter M. Kandaris, P.E., M.ASCE; Ashley E. Evans, EIT, DiGioia Gray, Inc.

Session Lead: David Todd, P.E., M.ASCE
This session is a presentation of important results of studies on the performance of arm-to-pole connections on tall slender tapered steel pole structures that have experienced problems from wind induced vibration, fatigue and welding defects. The possible causes for these performance problems will be reviewed and suggestions presented to develop more robust arm-to-pole connections and new design standards that specifically address wind induced vibration and fatigue problems.

Evaluation of Typical Arm-to-Pole Connections in Slender Steel Pole Transmission Structures for Wind Induced Vibration and Fatigue

Fatigue Testing and Finite Element Modeling of Arm-to-Pole Connections in Steel Transmission Pole Structures
Francisco J. Bonachera Martin, Ph.D.; Jason B. Lloyd, P.E.; Robert J. Connor, Ph.D.; Amit Varma, Ph.D., Purdue University

Welding Challenges in Typical Connections Used in Steel Pole Transmission Structures
Jim Merrill, P.E., ENV SP, TRC; Wesley J. Oliphant, P.E., AVS-CWI, F.SEI, FASCE, Exo Group, LLC

Challenges in the Design and Mitigation of Wind-Induced Vibration for Slender Steel Transmission Structures
Daryl Boggs, Ph.D., P.E., Boggs Engineering and Technical, LLC

Environmental Impacts
Kishor Kumar, P.Eng., AltaLink Management Ltd; Andrew Rees, P.Eng., POWER Engineers

Prefabricated Foundations – Construction Efficiencies and Economic Impacts
Daniel S. Cuffman, P.E.; Aaron P. Darby, P.E.; Olivia Liton A. Miller, P.E., American Electric Power

Going Against the Current: Short Circuit Force Background
Alex J. Kladiva, P.E.; S.E., Burns & McDonnell

Session Lead: Frank Agnew, P.E., M.ASCE
Substation structural design takes center stage with great information on design of underground to overhead riser structures, a better way to efficiently design bus and insulators for those pesky, but important, short circuit forces and case studies on how to use prefabricated foundations (basically anything not poured on site) to your benefit.

Design and Construction of Riser Structures in Alberta
Kishor Kumar, P.Eng., AltaLink Management Ltd; Andrew Rees, P.Eng., POWER Engineers

Prefabricated Foundations – Construction Efficiencies and Economic Impacts
Daniel S. Cuffman, P.E.; Aaron P. Darby, P.E.; Olivia Liton A. Miller, P.E., American Electric Power

Going Against the Current: Short Circuit Force Background
Alex J. Kladiva, P.E.; S.E., Burns & McDonnell

5:30 – 7:00 p.m. | Networking Reception, Exhibit Hall/Grand Hall

Sponsored by: ELECTRICAL CONSULTANTS INC.
Mechanically Spliced Full Length Anchor Bolts – Bringing it all Together


12:00 – 1:30 p.m. | Lunch, Exhibit Hall/Grand Hall

Session Lead: Mary Jane McMillen, P.E., M.ASCE

Hey, everybody starts to show wear and tear over time, and transmission lines are no exception! See how challenges like a rogue tractor assault and a “mere” 5-inch rime ice buildup are handled. Next, learn about modern hardware and conductors installed to spruce up a “very mature” river crossing. Finally, we’ll close out with a riveting [sorry, no rivets were actually used] story about reinforcing existing steel poles for new loads.

Great River Energy Transmission Line Tower Repairs

Kerby Nester, P.E., M.ASCE; Jim McGuire, P.E., M.ASCE, Great River Energy

Teaching an Old Line New Tricks

Jimmy Buker, Debby Knudtzon, HDR Engineering Inc.

Steel Transmission Pole Structural Capacity Uprating for High Voltage Transmission Line and Substation Upgrade Projects

Chad Hines, P.E., S.E., M.ASCE; Paul J. Ford and Company; Matthew Lohry, P.E., Christopher Facklam, P.E., American Transmission Company

2:50 – 3:30 p.m. | Refreshment Break, Centennial Ballroom Foyer

Sponsored by:

5:05 – 5:20 p.m. | Conference Closing, Centennial Ballroom

Session Lead: Otto J. Lynch, P.E., F.SEI, FASCE

Panel Facilitator: O.H. Dean Oskvig, PJM

The electricity-utility grid of the future will likely be vastly different than what it currently looks like today. Rapidly changing technologies, rapidly growing distributed energy resources, omnipresent economic demands, and the growing public expectation to be “constantly connected” to reliable and economical electric power, will inherently bring dramatic changes to how our grid is designed, constructed, and operated. This session promises to be an informative and insightful panel discussion by industry leaders from five different industry perspectives.

Panelists: Commissioner Tim Echols, Vice-chairman, Georgia Public Service Commission; John Moura, Director of Reliability Assessment, North American Electric Reliability Corporation (NERC); Kristin Munsch, Deputy Director, Illinois Citizens Utility Board; Archie Pugh, Managing Director Transmission Field Operations, American Electric Power; Lawrence Willick, Senior Vice President, LS Power Development, LLC

5:05 – 5:20 p.m. | Conference Closing, Centennial Ballroom

Session Lead: Michael Miller, P.E., M.ASCE

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Natina Steel Solution offers long-lasting and environmentally-safe color for transmission structures. We are the perfect choice when you want a weathered steel look but need the superior corrosion resistance of galvanized metal. Our solution reacts naturally to the zinc in galvanized steel creating a mottled, rustic brown finish that requires little to no maintenance. You'll beautifully blend structures into both cityscapes and natural surroundings with Natina. We are changing the way you see construction.

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For more information, reach us at: 877-762-8462
All Poster Sessions are located in the Grand Hall Foyer

MONDAY, NOVEMBER 5 | 9:30 AM – 4:00 PM

- Flexural Buckling Strength of Steel Angle Member with Eccentric Joint, Mitsui Kazuya, Nippon Steel Sumitomo Metal Corporation, Sato Atsushi, Nagoya Institute of Technology
- Effective Length Factor of Leg Member in Latticed Steel Tower, Ming Lu, Ph.D., P.Eng., Michelle Hao, Dipayan Chakrabarti, BC Hydro
- Program Considerations for Analysis of Drilled Shaft Foundations, Sanchit Chitre, Joel Coker, Brian Sedgwick, Leidos
- Flood Design of Substation Structures, Jared Augustine, P.E., ENV SP, M. ASCE, Emily Bonini, Emily Larson, P.E., Burns & McDonnell
- A Full-Scale Crash Test for a Transmission Wood Pole, Haijian Shi, Ph.D., P.E., PMP, Pepco Holdings

TUESDAY, NOVEMBER 6 | 9:30 AM – 4:00 PM

- Shake Table Testing of 500kV Bus Support with Spring Dampers, Scott Howard, P.E., WRK Engineers, Inc., Craig Riker, P.E., M.ASCE, San Diego Gas and Electric Company, Brian Knight, S.E., M.ASCE, WRK Engineers
- Aesthetics: Art + Math, Joshua J. Jordan, P.E., WorleyParsons
- Managing Aging Substation Structures, Harinee Trivedi, P.E., PM, Burns & McDonnell, Stefanie Gille, P.E., San Diego Gas & Electric

WEDNESDAY, NOVEMBER 7 | 9:30 AM – 1:30 PM

- Fort McMurray Wildfire Event – River Crossing Structure Replacement, Anandha Arumugam, P.Eng. ATCO EGBU
- Failure Analysis on Transmission Tower Struck by Tropical Storm, Jian Zhang, Tongji University, Qiang Xie, Ph.D., Tongji University
- Composite Transmission Towers: Analysis, Behavior, Slip Investigation and Interaction Diagrams, Mustafa Mahamid, PhD, P.E., S.E., F.ASCE, F.SEI, University of Illinois at Chicago, Kamil Bilal, graduate student, University of Illinois at Chicago, Cenk Tort, MITENG
- Assessment of Corrosion in Weathering Steel Transmission Line Structures, Fabio Matta, University of South Carolina, Matthew B. Barragan, HNTB, Inc., Kevin Niles, Osmose Utilities Services, Inc.
The Structural Engineering Institute of ASCE is pleased to have Southwire provide these special tours. All buses will leave outside the Hyatt Regency Atlanta hotel. Look for Southwire staff to direct you. All tour participants must have signed and handed in the Southwire visitor agreement to Southwire staff.

**Bus Departure**

Important: Please arrive 15 minutes before your scheduled departure. Southwire staff will not be able to hold buses for late arrivals.

- **Tour 1** 7:30 a.m. – 12:00 p.m.
- **Tour 2** 7:30 a.m. – 12:00 p.m.
- **Tour 3** 7:45 a.m. – 12:15 p.m.
- **Tour 4** 7:45 a.m. – 12:15 p.m.
- **Tour 5** 8:00 a.m. – 12:30 p.m.
- **Tour 6** 8:00 a.m. – 12:30 p.m.
- **Tour 7** 8:15 a.m. – 1:00 p.m.
- **Tour 8** 8:15 a.m. – 1:00 p.m.
- **Tour 9** 8:30 a.m. – 1:30 p.m.
- **Tour 10** 8:30 a.m. – 1:30 p.m.
- **Tour 11** 8:45 a.m. – 1:45 p.m.

Please wear comfortable, flat, closed-toed shoes. Steel-toed shoes are recommended. Remove all jewelry. Long hair and loose clothing must be worn in such a way as to prevent contact with machinery or any other perceived entanglement. **Skirts and dresses are not allowed.** The tour path and schedule will be restricted to ensure the safety of all participants. Safety glasses and earplugs will be provided. Tour participants are required to follow all instructions and to stay within designated safety areas at all times. An event may be canceled due to weather or may be adjusted. All tour participants must travel on the bus. Stay with the group at all times as no alternate transportation will be provided if a bus is missed by an attendee. Traffic may affect tour times so return times are not guaranteed.

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**Thursday, November 8**

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### Structural Engineering Institute (SEI)

Did you know that SEI is YOUR Institute at ASCE? Stop by the booth in the Grand Hall Foyer and learn what SEI has to offer you. Make sure to grab some SEI swag while you’re at it!

**ASCE Bookstore**

ASCE 7 Online and ASCE 7 Hazard Tool product demos will be held for the duration of the conference in the ASCE Bookstore – in the Grand Hall Foyer. To schedule a personal demo, please contact asce7tools@asce.org.

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Be sure to visit the membership booth (Grand Hall Foyer – outside the Exhibit Hall). If you join or reinstate ASCE/SEI membership at the booth, you’ll get two years of membership for the price of one. That’s more than 50% off! Join for 2019 and receive 2020 and the remainder of 2018 for FREE. Existing ASCE/SEI members, stop by the booth to renew and receive a FREE member grade lapel pin. Also get all your membership questions answered.
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SEI Committees include those that develop:

- ASCE/SEI 48: Design of Steel Transmission Pole Structures Standards
- Design of Steel Transmission Towers Standards (develops ASCE/SEI 10: Design of Latticed Steel Transmission Structures)

Electrical Transmission Structures (ETS) Technical Committees:

- Task Committee on Aesthetic Design of Transmission Line Structures
- Task Committee on Electrical Transmission Line Structural Loading
- Task Committee on Recommended Practice for Fiber-Reinforced Products in Overhead Utilities Line Structures
- Task Committee on Substation Structural Design
- Task Committee on Wood Pole Structures for Electrical Transmission Lines

SEI Committees produce resources including publications, conferences, continuing education, and more. Visit the SEI booth in the Grand Foyer to learn more.

Stop by the Sabre-FWT booth #134 and pick up the proceedings from this year’s conference!
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ASCE/SEI and the Hyatt Regency Atlanta personnel are REQUIRED to follow local fire regulations and may ask participants in rooms filled to capacity to exit the room until other attendees leave.

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**NEW**

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By attending conference sessions and seminars, you may earn PDHs, which are nationally recognized units of record. Please note there are differences from state to state in continuing education requirements for professional engineering licensure. Each state licensing board has the final authority to approve courses, credits, PDHs and other methods of earning credits in that state. ASCE/SEI strongly recommends that individuals regularly check with their state licensing boards for specific continuing education requirements in their jurisdictions that affect professional engineering licensure and the ability to renew licensure.

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ASCE/SEI reserves the right to cancel programs and/or sessions because of low registration. In the unlikely event of a cancellation, all registrants will be notified and will receive a full refund, if applicable. Programs and sessions are subject to change, and ASCE/SEI reserves the right to substitute a program, session and/or speaker of equal caliber to fulfill the educational requirements.

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Early-bird and Advance registrants will receive their name badges and tickets at the Registration Desk during registration hours. Please be sure to bring your confirmation e-mail and a copy of the original paperwork if you registered before October 17, 2018. If you registered after this time, be patient as your registration may still need to be processed and printed out.

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Your Conference badge is your admission to the educational sessions. Please wear your badge at all times while in the Hotel/Exhibit Hall. Tickets are required for pre-conference events, meals, receptions, including World of Coke, and Thursday’s Southwire Tour. Where tickets are required, please be sure to bring your tickets with you to each event as you will not be admitted without a ticket. ASCE recommends you remove your badge when leaving the Hotel.

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We cannot guarantee food will be available thirty minutes after an event has begun. For all meal functions please arrive on time. If it’s a ticketed event, please make sure to have the correct ticket ready to hand to SEI Staff.

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ASCE hopes that your visit to the Conferences will be free from illness or injury, but in case you or a family member needs medical attention during your stay at the Hotel, please contact the Front Desk from any house phone. Hotel Staff will respond immediately to your location. For life of threatening emergencies, such as chest pain, shortness of breath, or severe abdominal pain, call 911.

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