NASCC 2026 Sessions

October 20, 2026
NASCC: The Steel Conference 2026

Title	Description	Date	Start Time	Track List	Speaker(s)
"R" You Ready for Moment Frames? [N1]	This session will review code detailing requirements for various steel moment frame systems, but more importantly it will discuss the reason for the requirements and will help engineers select an appropriate steel moment frame system for a specific project. Attendees will learn about the type of moment frame systems, what the Code requires and why, a brief overview of MCER (Maximum Considered Earthquake), and guidance for selecting a steel moment frame system for a specific project.	04/22/2026	10:15 am	Design & Analysis/Engineering [N]	Brent Maxfield, SE
2026 Bridge of the Year Award [B1]	The session will open with a welcome from the Georgia State Bridge Engineer, followed by concise presentations from the teams behind each finalist project. The I-64 Kanawha River Bridge highlights large-scale steel bridge construction in a challenging river corridor, emphasizing constructability, durability, and performance for a critical interstate crossing. The Hawk Falls Bridge Replacement demonstrates how a modern steel arch solution can replace aging infrastructure while respecting environmental and site constraints. The Williams Crossing Pedestrian Bridge showcases the power of steel to create an iconic pedestrian landmark that enhances community connectivity in an urban setting. Following the presentations, attendees will take part in live audience voting, using their phones (QR code will be provided during the session) to select the recipient of the AISC Bridge of the Year Award. This interactive format gives participants a direct voice in recognizing the project that best represents innovation, collaboration, and excellence in steel bridge design and construction. Whether you are an engineer, fabricator, contractor, or owner, this session offers a unique opportunity to learn from award-caliber projects—and to help crown one as the industry's Bridge of the Year.	04/22/2026	10:15 am	Bridges [B]	Jeff Carlson, PE, Donn Digamon, P.E., Thomas Murphy, Ph.D., P.E., S.E, Jason Fuller, PE, Stephan Hollinger, P.E., S.E., Bruce Burt
2026 T.R. Higgins Lecture: Fracture Beyond Fatigue [K3]	This presentation of the 2026 T.R. Higgins Lecture highlights fracture considerations that are relevant across a wide range of steel applications and project phases, from detailing and fabrication through long-term service. The lecture is aimed at broadening how engineers think about fracture in steel structures when behavior extends beyond traditional fatigue-based expectations. Caroline Bennett, PE, PhD, is the Charles E. & Mary Jane Spahr professor and chair of the Department of Civil, Environmental, and Architectural Engineering at the University of Kansas. Her research has addressed some of the most pressing challenges in structural engineering, including fatigue and fracture performance of steel infrastructure, constraint-induced fracture in steel bridges, and innovative structural retrofit strategies for a wide range of structures. Bennett has led national projects with the Federal Highway Administration, the National Cooperative Highway	04/24/2026	8:00 am	Keynote [K]	Caroline Bennett, PhD, PE

	Research Program, the U.S. Army Corps of Engineers' Engineer Research and Development Center, and several state departments of transportation, delivering solutions that extend the service life of structures and improve infrastructure performance. She serves on AISC's Committee on Research as well as the TC10 Materials and Fabrication Committee. She recently served on AISC's Game Changer panel. She also contributes to the American Iron and Steel Institute (AISI) Steel Bridge Task Force and Transportation Research Board committees, strengthening connections between research and practice.				
3D Printing with Steel: Building Applications [A1]	This session will explore the innovative application of large-format 3D steel printing, commonly known as additive manufacturing (AM), in buildings through the exploration of the AISC Additive Manufacturing Pedestrian Bridge as well as components produced for a range of industries. The session will include a general overview of large-scale steel additive manufacturing, including the innovative technology used to create AM parts, the amazing capabilities made possible through AM, and the accuracy of the final finished components. The AISC Additive Manufacturing Pedestrian Bridge will be a centerpiece of the session, exploring the innovative features enabled by AM, how they were produced, and the findings from the structural testing conducted on the finished bridge. Finally, the session will conclude with a discussion on where steel AM is headed in the building and bridge industries.	04/22/2026	10:15 am	Architecture [A]	Ryan Sherman, Rick Sammon
A Proactive Strategy to Reduce Workers' Compensation Costs and help your employees! [Y7]	Many construction industry employers face increased Workers' Compensation costs when workers sustain an injury outside of work that affects their ability to perform on the job. This session details the Ironworkers' IMPACT Off-the-Job Accident Program, an innovative and proactive strategy designed to mitigate this exposure. Learn how this program works to address off-the-clock injuries, how it can potentially lower your workers' compensation claims and premiums by limiting false claim exposure, and how implementation can benefit both your bottom line and your workforce's overall well-being.	04/23/2026	11:00 am	SafetyCon [Y]	Harvey C. Swift, Blue Coble
A Review of the New Global Stability Provisions of AISC 341-22 [M1]	AISC 341-22 has introduced a new provision requiring designers to check the Overall or "Global" Stability of BRBF. This stability mode, which is the result of considerable research over the last two decades, considers the formation of multiple plastic hinges within a BRB (at the gussets and at the BRB neck insertion into the casing) allowing a mechanism to form resulting in undesirable out-of-plane buckling of the brace. In analyzing the BRBF for Global Stability, consideration is given to the combined buckling modes that include imperfection of the gusset plate, casing and neck insertion, and other elements. These checks are commonly provided by the BRB manufacturer, but practicing engineers should be familiar with them as this type of instability represents one of the more likely unexpected failure modes of that can happen to a BRB and an understating of the conditions contributing to it can lead to better designs.	04/23/2026	4:15 pm	Manuals, Standards, and Design Guides [M]	Brandt Saxey, SE, LEED AP

A Sneak Preview of the 2027 Seismic Provisions for Structural Steel Buildings [M7]	The 2027 edition of AISC 341 Seismic Provisions for Structural Steel Buildings is in its final stage of development. Join us for a preview of the latest developments from the Committee on Specifications and its task committees. This session will highlight important updates on rod-braced diaphragms with special seismic detailing, special truss moment frames, details of composite plate shear wall systems, and much, much more.	04/22/2026	10:15 am	Manuals, Standards, and Design Guides [M]	Thomas A. Sabol, SE, Michael Gannon, SE, PE
A Sneak Preview of the 2027 Specification for Structural Steel Buildings [M2]	The 2027 edition of AISC 360 Specification for Structural Steel Buildings is in its final stage of development. Join us for a preview of the latest developments from the Committee on Specifications and its task committees. This session will highlight important updates pertaining to the design of noncompact and slender flexural members, connection design, nondestructive testing of CJP groove welds, a new appendix on strength testing, and much, much more.	04/22/2026	11:30 am	Manuals, Standards, and Design Guides [M]	Jim Malley, SE, Nathaniel Gonner, SE
Acrisure Amphitheater Steel Erection [CS2]	Acrisure Amphitheater is a 12,000 seat riverside outdoor event venue being constructed in Grand Rapids, Mich. The amphitheater's main feature is a 180 ft wide x 350ft long x 80ft tall structural steel canopy. Employing Early Contractor Involvement (ECI), the construction team assisted Progressive AE (SEoR), with transitioning the Conceptual to Final Design, incorporating fabrication and erection efficiencies required to meet the challenging cost and schedule restrictions. LPR Construction erected the structure with assistance from Ruby + Associates in development of the Erection Procedure for the cantilevered truss 2-way system, requiring the use of 4 shoring towers and a step-by-step procedure.	04/22/2026	11:30 am	Case Study [CS]	Katrin Bosch, PE, Ryan Duncan, P.E.
Act Like a Pirate - Stick to the Code! [M3]	The AISC Code of Standard Practice is intended to benefit all parties in the desgin and construction of projects involving structural steel. Join us for a session that reviews key provisions of the Code and additional information within the Commentary that should be incorporated into every contract.	04/22/2026	1:45 pm	Manuals, Standards, and Design Guides [M]	Tim Bradshaw, PE
Adaptable Structures: Hybrid Steel and Timber Construction [A10]	Miller Hull's legacy of environmentally responsible design guides us to consider the optimal use of each material in our buildings. This approach often leads us to hybrid structures that exploit the inherent benefits of steel and timber working in partnership. Steel provides the ideal structural armature for efficient and rational bays, while infill systems in timber provide highly adaptable enclosures. By decoupling the primary structure and the thermal enclosure, buildings can become agile systems capable of adapting to changing user needs and configurations. Through case studies across different building types and scales, this talk will highlight Miller Hull's unique approach to hybrid structural systems and explore ideas of adaptability, design for disassembly, and material reuse.	04/22/2026	10:15 am	Architecture [A]	Cory Mattheis, AIA, Brian Court, FAIA, Hunter Ruthrauff
Additive Manufacturing [S11]	1. Vijaya Vengadesh Kumar Jeyapragasam, "Buckling Behaviour of Additively Manufactured Equal Slender Unequal Leg Angles" 2. Juan David Orozco Sosa, "Optimization of aluminum hollow sections using additive manufacturing " 3. Yao Sun, "Local stability of 3D-printed stainless steel lipped angle sections under compression" 4. Pengliang Yang, "Testing and design of wire-laser additively manufactured high-strength steel angle	04/24/2026	9:45 am	SSRC Annual Stability Conference [S]	Vijaya Vengadesh Kumar Jeyapragasam, Yao Sun, Pengliang Yang, Kerry Kreitman,

	design of wire-laser additively manufactured high strength steel angle sections"				Juan David Orozco Sosa
Advancing Fabricators Into the Nuclear Supply Chain: The NQA-1 Playbook [QC3]	Structural steel fabricators are increasingly exploring nuclear work, but many are unsure what it takes to become NQA-1 compliant. This session provides a clear, practical roadmap for developing an ASME NQA-1 Quality Management System using a phased, stage-gated approach. We'll cover documentation, training, operational maturity, and how NQA-1 expectations align with and differ from AISC programs. Fabricators will leave with a concise playbook for preparing their operations to enter the nuclear supply chain.	04/22/2026	1:45 pm	QualityCon [QC]	Nate Lindell, Loren Thomas
Advancing the industry: Two Special Topics for Steel Bridges [B23]	Presentation 1) A Fast, Efficient, and Reliable Future for Orthotropic Steel Deck Bridges – Development of Open-Rib Standard Designs Orthotropic decks are used on thousands of bridges accross the globe and can be a reliable, low-weight, and durable solution. Often perceved as overly complex, recent innovations and publications are presented that lesson the burden on the engineer and lead to improved servicibilty of the decks. Come see why "Orthotropic" is no longer a bad word and might just be right for your next project. Presentation 2) Moving Beyond Fracture: Advancing Highway Bridge Design with Ultra-High Toughness Steel What is Ultra-High Toughness Steel (UHTS)? Come learn about the recent FHWA publication that investigates the effectiveness of UHTS in bridges to improve the structural reliability for the fracture limit state and how engineers can take advantage of this material while designing and evaluating modern steel bridges.	04/24/2026	2:00 pm	Bridges [B]	Frank Artmont, PE, William Collins, Thomas Murphy, Ph.D., P.E., S.E
AI in Steel: Leveraging Artificial Intelligence to Predict, Monitor, and Manage Safety & Health [Y8]	Artificial Intelligence (AI) is rapidly transitioning from a theoretical concept to a practical tool for managing operational risk in industrial settings, including manufacturing plants and large-scale projects like data centers. This session will educate the structural steel industry on the value, realities, and future of AI applications. We will explore how AI is currently being used to evaluate, predict, manage, and monitor key operational areas, specifically focusing on its ability to enhance safety and health.	04/23/2026	1:45 pm	SafetyCon [Y]	Aaron Stebner
AI Tools for the Steel Detailer [D4]	Whether you're checking shop drawings, generating reports or managing projects AI can be a powerful ally. In the session we'll offer practical demonstrations of powerful AI tools to add to your workflow. This session is intended to offer a brief overview of several widely available tools with tips and tricks on how to leverage them. We will also review best practices for ensuring that your use of AI tools is safe for both you and your clients. While primarily discussions will be in the context of steel detailing, most of the tools presented will be applicable to everyone in the construction design chain.	04/22/2026	4:45 pm	Detailing [D]	Nicholas Coffee

AISC 358: The How and Why of Prequalified Connections [E1]	This session offers a detailed review of the AISC 358 standard, focusing on the historical development and background of Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications. Attendees will gain insights into the prequalification process as well as the evolution of the standard and its impact on seismic design and safety.	04/24/2026	9:45 am	Seismic [E]	James Swanson, John Kennedy
AISC 360-27 and Existing Structures: A Sneak Peek at the New Appendix 5 [M4]	This session offers a preview of the revamped Appendix 5 coming out in the 2027 edition of AISC 360. Now titled “Existing Structures,” the expanded scope includes not just evaluation, but also alteration, repair, and additions. The session highlights major updates such as requirements for document review, condition assessment, default and tested material properties, welding to existing steel, rivet strength (now correctly distinguished from bolts), and repair considerations. While not exhaustive, the session will spotlight key changes engineers need to know.	04/23/2026	9:45 am	Manuals, Standards, and Design Guides [M]	Conrad Paulson, SE, PE, Christine Freisinger, SE, PE
AISC Undergraduate Research Grant Presentations [N2]	Come hear the recipients of the AISC Ernest J. McCartney/B&B Welding Company, Inc. Undergraduate Research Fellowship Program discuss their research projects: --Investigating the Effects of Multiple Weld Repairs on Steel Fatigue Life by Juliette Bolte, an investigation of the fatigue performance of welded ASTM A709 structural steel, a material widely used in bridge construction. --Evaluation of Interaction Equations for Gusset Plates by Bryan Lagunas, a project with three main objectives: to propose three new interaction equations for gusset plate behavior, to compile a comprehensive set of existing interaction equations for connection plates, and to use a finite element software to simulate gusset plate behavior under combined loading conditions based on the effects of cross-sectional plasticity. --Exploratory Studies of Epoxy Adhesives in the Retrofitting of Steel Bridges by Rebeccs Bishop, research that aims to assess the viability and performance of epoxy adhesives in structural steel applications by investigating the structural behavior and practical implications of applying adhesives in the field.	04/22/2026	11:30 am	Design & Analysis/Engineering [N]	Juliette Bolte, Bryan Lagunas, Rebecca Bishop
AISC’s Fabricator Labor Inefficiency Study: Quantifying the Common Experience of Fabricator Labor Hour Overruns [L1]	Schedule changes, late drawing releases, stops and starts, and other circumstances on a project can cause a fabricator’s manhours to far exceed those planned in the original bid, with costs soaring as a result. Though there may be contractual and legal hurdles to asserting a claim, the law nevertheless recognizes that specialty subcontractors, including fabricators—have the right to recover unanticipated labor hour overruns if such claims are properly analyzed, documented, presented, and proven. In this presentation, we will review a survey questionnaire recently developed by AISC and its counsel to understand and quantify the common experience of steel fabricators’ direct shop labor hours impacted by events and circumstances beyond their control. As part of this program, we will ask the fabricators in the audience to complete the survey, and we will answer any questions they may have about the survey.	04/22/2026	1:45 pm	Legal [L]	Edward Seglias, Esquire, Jason Copley, Esquire, Matthew Skaroff

AISC's New Sustainability Guide [G8]	As the architecture, engineering, and construction (AEC) industry accelerates toward decarbonization, structural engineers and project teams face a critical challenge—and opportunity—to shape a lower-carbon future through informed design. Join the authors and collaborators of AISC's soon-to-be published Sustainability Guide for a unique look at this comprehensive resource that defines how steel can—and must—lead the way in sustainable construction.	04/23/2026	4:15 pm	Sustainability [G]	Jerome Hajjar, Max Puchtel, SE, PE, David Shook, Jimmy Mitchell, Luke Johnson, SE, PE
All Decked Out [B13]	This session describes transformative steel deck systems engineered for highway steel bridges, offering a leap forward in modularity, durability, and accelerated construction. The steel deck systems challenge conventional concrete deck solutions by reducing weight, simplifying fabrication, and enhancing long-term performance, especially in rural and weight-restricted applications. Analytical studies, life cycle cost assessments, and future experimental plans will be presented. Complementing this innovation, the session will delve into groundbreaking research on the behavior and design of shear studs. Attendees will gain insights into the contribution from friction, adhesion, and shear stud bearing. The comprehensive research included field testing, component-level studies, full-scale testing, and finite element parametric studies. Ultimately, the findings may lead to future advances in steel bridge shear stud design specifications.	04/23/2026	11:00 am	Bridges [B]	Ryan Sherman, Alexis Fredericks, Alana Alves de Moraes
All-in-One: AISC Steel Member and Connection Design in RFEM 6 [EW18]	RFEM 6, the most powerful FEA structural analysis software, includes AISC member, connection, and base plate design in one program! After completing the member design, RFEM 6 automatically transfers the member end forces to the connection design, ensuring seamless integration. The CBFEM approach allows for the design of custom or complex connections that go beyond traditional methods. Choose from the extensive library of predefined steel connection templates or create your own. See first-hand how RFEM takes you beyond your current design software! Exhibitor Workshops do not offer PDH credits	04/23/2026	3:00 pm		
Allyship: How to use simple tools to build a work culture of belonging [W1]	In this session, participants will explore the concept of allyship and its significance in the workplace. The discussion will cover practical strategies for being an effective ally, including how to create a safe space that allows for effective allyship. Additionally, the session will guide you through the first steps of building trust and dismantling common workplace assumptions. Join us to learn how you can take advantage of common workplace allyship opportunities, make a positive impact, and support your colleagues in creating an inclusive work environment.	04/22/2026	10:15 am	Workforce Development [W]	Amanda Dean, PE, Parley Dixon, Eliot Jenkins
An Understanding of AESS [CAPS2-1]	This session is only open to registered CAPS participants. The AISC method for specifying architecturally exposed structural steel (AESS) was designed to improve communication between the architect, engineer, and fabricator by creating a system that created a very clear hierarchy of choices. The system defines categories of AESS that are further given a series of additive characteristics that are used by the team to create finished steel that is well suited for its level of exposure. Exposure relates to the distance to view and intended building use. It is important for the management team to	04/22/2026	11:30 am	CAPS 2	Terri Meyer Boake

	understand the impact that AESS has on the project timeline and development. [CAPS 2-3]				
Analysis Methods [S5]	1. Mark Denavit, "Design for Stability of Structural Steel Connections using the Component-Based Finite Element Method" 2. Rodrigo Gonçalves, "A geometrically exact beam element for tapered I-section members" 3. Amoke Shabhari, "An open-source triangular shell finite element software implementation for the study of thin-walled structures" 4. Nuno Peres, "Optimization and sensitivity analysis in buckling problems"	04/22/2026	4:45 pm	SSRC Annual Stability Conference [S]	Mark Denavit, Rodrigo Goncalves, Nuno Peres, Telmo Andres Sanchez, Amoke Shabhari
Anchors Aweigh: Using Steel to Gain Precision in Anchor Bolt Group Installation [I5]	Incorrectly positioned anchor bolts can easily get a project off to a poor start. Attend this presentation to learn how steel "assembly chairs" for anchor bolts in concrete mats can not only help achieve certainty in this critical step of building construction, but also facilitate shipping, lifting, and site safety.	04/22/2026	4:45 pm	Innovations [I]	Timothy Nelson, S.E., Dave Wright, Sean Ortlieb, Connor Buckley, Chris Wolff, P.E.
Anything Is Possible: Special Profile Steel Joist Products [N3]	Special profile configurations of steel joists and joist girders are used when unique roof profiles are required. Open-web steel joists can be designed and produced with chord members that may have arched, varying pitches, or other special profiles. Attendees will learn when these special configurations are appropriate and how to specify them. Included will be discussions of geometry, special bridging and bracing requirements, and design considerations.	04/22/2026	1:45 pm	Design & Analysis/Engineering [N]	Michael Whittle, P.E., Ben Pitchford, P.E., Keith Juedemann, PE
Arch Allies: Contrasting Forms, Unified Function [B3]	The Portal North Bridge and Hawk Falls Bridge are “arch allies” in that both projects showcase innovative use of arch structures to meet complex engineering and environmental challenges. While Portal North’s network tied arches enhance rail capacity and structural resilience in a dense urban corridor, Hawk Falls’ steel deck arch harmonizes with its natural surroundings, demonstrating how arch design can be both technically robust and aesthetically sensitive. The new Portal North Bridge, located between New York and Newark, will increase capacity and improve rail operations along Amtrak’s Northeast Corridor, the busiest segment of passenger in North America. The new bridge is a two-track fixed bridge located to the north of the existing bridge. A key feature of this project is the construction of three 400-foot network tied arches over the Hackensack River to replace the existing 115-year old two-track swing bridge built in 1910 by the Pennsylvania Railroad Company. The two sets of inclined hangers of the network tied arches behave like a truss system and greatly increases stiffness, strength, and redundancy of the structure. Construction of the three arch spans employed a multi-staged erection sequence developed specifically for this challenging project site. Each of the three arches were erected on-shore, transported by barge and lifted with self-climbing jacking system. The presentation will discuss the design of the network tied arches and their erection. The new Hawk Falls Bridge will carry the Pennsylvania Turnpike’s Northeast Extension (I-476) over a scenic gorge in Hickory Run State Park. This 720-foot-long bridge, developed to harmonize with the striking geography of its setting within the park, consists of a 465-foot span steel deck arch supporting a rolled-girder deck system that is continuous	04/22/2026	1:45 pm	Bridges [B]	Guy Decorges, PE, Frank Artmont, PE, Natalie McCombs, Steve Percassi, Nohemy Galindez

	between abutments. This presentation will cover the design and construction of the bridge, highlighting unique design features of the structure.				
Architecture Reception	Connect with Peers Join architects and industry peers for an informal evening of conversation and connection at HOK's office. Meet architects, engineers, fabricators, and educators in a relaxed setting designed for easy networking. Explore What's Next Explore how innovation in steel is shaping design, performance, and sustainability. Get a preview of architecture-focused sessions coming up over the next few days. Resources for Architects Meet the AISC Architecture Center team and learn about tools and resources created to support architects. Come for the people and ideas. Leave with new connections and fresh perspective.	04/21/2026	6:00 pm		
Are Your Drawings Complete or a Complete Mess: A Fresh Look at CASE 962D [N4a]	Good design doesn't happen in a vacuum, although, sometimes, engineers think it does. This session will help the attendees to understand what information is required on the drawings to get reliable bid and a constructable structure. Attendees will learn about CASE 962D, how to measure project success, what determines quality, and how to improve project communication. The session will also include connection examples.	04/23/2026	1:45 pm	Design & Analysis/Engineering [N]	Dave Isaacson, SE, Chet Anderson
Are Your Drawings Complete or a Complete Mess: A Fresh Look at CASE 962D [N4b]	Good design doesn't happen in a vacuum, although, sometimes, engineers think it does. This session will help the attendees to understand what information is required on the drawings to get reliable bid and a constructable structure. Attendees will learn about CASE 962D, how to measure project success, what determines quality, and how to improve project communication. The session will also include connection examples.	04/24/2026	12:45 pm	Design & Analysis/Engineering [N]	Dave Isaacson, SE, Chet Anderson
Ask a Detailer [D11]	Join us for a unique and insightful panel discussion where experienced steel detailers will step into the spotlight to address the most pressing questions from across the construction and design spectrum. This session offers a rare opportunity for designers and contractors to engage directly with the professionals who translate design intent into buildable plans.	04/22/2026	10:15 am	Detailing [D]	James Bennett, Adam Williams, Ryan Wunderle, Ted Hulsman
Atlanta International Airport Concourse D Widening: Innovation on the Move [CS3]	When Hartsfield-Jackson Atlanta International Airport wanted to modernize and expand one of their most cramped concourses, they looked at numerous schemes. Their goals were simple: increase overall passenger capacity for the concourse, bring the existing building in line with modern building codes (it was built in the 1970s), and do that all with the least amount of disruption to airport operations. The design, construction, and ownership teams collectively decided to implement a bold approach: modularize the building, build as much of it outside the airport security fence, and then move the completed structures to their final locations. Collaboration was the key to success for this project, and we will be discussing how the Engineers of Record and the structural steel team worked seamlessly together to solve problems and get the project to the finish line utilizing the Advanced Project Delivery process. We will discuss the design process with a special focus on the design criteria based on temporary conditions, including those imposed during the module moves. Finally, we will share photos of the partially completed project.	04/22/2026	1:45 pm	Case Study [CS]	Robert M. Stadler, SE, Mary Williams, PE, SE

Atlanta’s Game Changer: The Architecture and Structure of Mercedes-Benz Stadium Tour [A15]	This special session is a combination tour of the Mercedez-Benz Stadium guided by lead architect Bill Johnson of HOK. The Mercedes-Benz Stadium represents a landmark achievement at the intersection of architectural vision and structural steel innovation, standing as the world’s first LEED Platinum-certified professional sports venue. The tour will illuminate the stadium’s design journey, emphasizing how visionary geometry and sustainability goals drove breakthrough steel solutions. Attendees will begin with a presentation in a meeting room at the stadium, followed by the guided tour. This event will be held on April 23rd from 1:45-4:00 p.m. Agenda: 1:45 p.m. Gather at Mercedes-Benz Stadium Gate 2 1:45-2:00 p.m. Tour orientation 2:00-4:00 p.m. Walking tour in groups 4:00 p.m. Exit stadium This tour is open to Architects and Structural Engineers. Space is limited to 100 attendees. Register today!	04/23/2026	1:45 pm	Architecture [A]	Bill Johnson, AIA, Hunter Ruthrauff, Richard Saunders
Augmented Reality in the Fab Shop [T3]	This session will provide an update on the Speed-XR initiative, focusing specifically on the practicalities and challenges of implementing augmented reality technology within a structural steel fabrication environment. The presentation will begin with an overview of the project's high-level objectives and detail the progress achieved over the past year. Attendees can expect a dynamic presentation that includes both conventional slides and a live demonstration, concluding with a look ahead at the future goals for this ongoing AR initiative.	04/22/2026	1:45 pm	Technology [T]	Hannah Blum, PhD, Will Kraus
Autodesk: the power of platform, automation and AI [EW3]	The structural steel industry is entering a new era: one defined not just by better tools, but by connected platforms and embedded intelligence. As projects grow more complex and timelines tighten, firms must move beyond fragmented workflows toward integrated ecosystems that unlock the full value of their data. In this session, Autodesk will explore how platform-based workflows and the role of artificial intelligence are reshaping structural engineering, from design through detailing, coordination to construction. We will examine how connected data environments reduce rework, improve collaboration, and enable smarter decision making. Attendees will gain insight into: The strategic importance of platform-based workflows in structural engineering How connected data enables AI-driven outcomes What the future of structural engineering could look like in an intelligent platform ecosystem Join us to explore how Autodesk is building the foundation for the next generation of steel professionals, where platforms amplify expertise and AI unlocks new possibilities. Exhibitor Workshops are not eligable for PDH credits	04/22/2026	11:30 am		
Avoiding Brittle Fracture: Lessons from the Past, Solutions for Today [M6a]	Join us to explore the new AISC Design Guide on Avoiding Brittle Fracture. This session will provide an overview of the new guide and then dives into ten real-world case studies—from the 1886 Long Island Standpipe to the 2018 Transbay Transit Center. Each story reveals timeless insights that shape today’s best practices.	04/22/2026	3:00 pm	Manuals, Standards, and Design Guides [M]	Duane Miller, Sc.D., NAE

Avoiding Brittle Fracture: Lessons from the Past, Solutions for Today [M6b]	Join us to explore the new AISC Design Guide on Avoiding Brittle Fracture. This session will provide an overview of the new guide and then dives into ten real-world case studies—from the 1886 Long Island Standpipe to the 2018 Transbay Transit Center. Each story reveals timeless insights that shape today's best practices.	04/24/2026	12:45 pm	Manuals, Standards, and Design Guides [M]	Duane Miller, Sc.D., NAE
Barges on the Waterfront: Tampa Convention Center [CS4]	Discover the innovative strategies used by GMF Steel Group and GMF Industries for the 600,000-sq.-ft expansion of the Tampa Convention Center. Facing a landlocked site and a tight 55-day construction window while the center remained operational, the project team overcame the logistical challenge by erecting steel entirely from a crane barge. Learn how three collaborative strategies—including large-scale pre-fabrication of Z-beams, engineering integration of extended beams, and the use of a digital twin model—accelerated the project by 1.5 months, setting new benchmarks for efficiency.	04/22/2026	3:00 pm	Case Study [CS]	Jason Hall
Becoming Steel Smart: 10 Overlooked AISC Resources You Need to Know [M8a]	Unlock the full potential of your next structural steel project by discovering 10 often-overlooked resources from the American Institute of Steel Construction (AISC) to add to your design toolbox. Whether you're referencing prototype steel buildings, accessing design guide cheat sheets, or evaluating steel section availability, there's an AISC resource to meet your project needs. This presentation highlights three key categories of resources: design resources that expand your understanding of structural steel, material selection resources that help optimize your design workflows, and cross-disciplinary resources that enhance collaboration among architects, engineers, and fabricators.	04/23/2026	1:45 pm	Manuals, Standards, and Design Guides [M]	Hannah Valentine, PE
Becoming Steel Smart: 10 Overlooked AISC Resources You Need to Know [M8b]	Unlock the full potential of your next structural steel project by discovering 10 often-overlooked resources from the American Institute of Steel Construction (AISC) to add to your design toolbox. Whether you're referencing prototype steel buildings, accessing design guide cheat sheets, or evaluating steel section availability, there's an AISC resource to meet your project needs. This presentation highlights three key categories of resources: design resources that expand your understanding of structural steel, material selection resources that help optimize your design workflows, and cross-disciplinary resources that enhance collaboration among architects, engineers, and fabricators.	04/24/2026	2:00 pm	Manuals, Standards, and Design Guides [M]	Hannah Valentine, PE
Behind the Curtain: Steel Design Tips and Industry Insights from Inside the Mill [N5]	Learn how an understanding of the steel manufacturing process and material supply chain can provide new insight into structural design. This presentation will provide engineers with outside-of-the-manual design advice and showcase value engineering opportunities for a wide range of products including wide flange, HSS, metal decking, and rebar. Steel's role in sustainability and carbon reduction strategies will be interlaced throughout the presentation.	04/22/2026	4:45 pm	Design & Analysis/Engineering [N]	Pat Hicks, PE

Best Collaboration Practices Between a Fabricator and Detailer [D1]	Every project brings its own set of challenges that don't always align perfectly with standard fabrication or detailing workflows. From early design review and interpreting project-specific requirements to defining shop standards and deliverables, this session will outline basic tips and tricks to collaborate effectively between a fabricator and detailer.	04/22/2026	11:30 am	Detailing [D]	Jacob Ludvigsen, Jake Kozial
Best Methods of Managing Safe Crane Operations for Erectors [Y3]	While OSHA Subpart CC establishes the baseline, successful steel erection demands safety standards that go far beyond basic regulatory compliance. This session focuses on the best methods for managing comprehensive safe crane operations. We will explore essential topics, including thorough pre-lift planning, effective communication protocols between the signalperson and operator, and managing unique hazards associated with hoisting and placing structural steel, providing you with actionable keys to achieving a zero-incident lift culture.	04/22/2026	1:45 pm	SafetyCon [Y]	Steve Davis
Best Practices for Bracing in Highly Skewed Bridges [B8]	This session will first address the behavior of severely skewed steel I-girder bridges, discussing the development of a transverse load path through the cross-frames. It will be shown how differential deflections of adjacent girders result in cross-frame force effects and twisting of the girders. Next, the various levels of analysis for steel I-girder bridges will be discussed, with a focus on appropriate analysis to capture the anticipated behavior of severely skewed bridges. Following this, the bulk of the presentation will focus on framing plan options for severely skewed steel I-girder bridges, including a discussion of lean-on-bracing and other innovative framing options. The presentation will also touch briefly on the choice of fit condition for skewed steel I-girder bridges, detailing of severely skewed bridges, and ideas for reducing the severity of skew. Attendees will be able to describe the behavior of severely skewed steel I-girder bridges.	04/23/2026	11:00 am	Bridges [B]	Domenic Coletti, PE, Matt Hebdon
Better Together: Engineers and Fabricators Discuss Using BIM to Produce Connected Models [I2]	The structural engineering profession has changed significantly over the past 40 years, primarily because of the introduction of digital tools. However, while advanced digital products have become the de facto standard for architects and engineers, one thing hasn't changed much: the delivery process or workflow for producing steel fabrciation drawings (aka shop drawings). This session will provide an overview of the latest techniques, tools, and software that structural engineers are beginning to use, thereby chaning the old process into a new, more direct process that eliminates delegated design and maintains the EOR as the single source of responsibility managing the process, leading up to and including the production of fabrication drawings. In addition, we'll discuss how to ensure and maintain input from the contracted steel fabricator to ensure economical, buildable connections.	04/22/2026	11:30 am	Innovations [I]	Jeffrey Smilow, PE, F.ASCE, Joel Chandler, Allan Paull
	The session will help practicing structural engineers make better analysis decisions and properly convert them into rational designs that capture load and load effects that might otherwise be neglected in detailing and fabrication. The presentation's focus is on industrial and non-building structures which are typically large in plan, and have heavy equipment and moving loads such that the structures must be vertically braced. The				

Beyond the Blueprint: When Analysis, Design, Detailing, Fabrication and Reality Collide [N6]	modeling assumptions used in the structural analysis of these vertical bracing systems will be examined along with the often encountered inconsistency with those assumptions made during the construction process, i.e., design, detailing, fabrication, and structural steel erection that can have a major impact on the structure's overall stability. The main questions are: 1) what happens when "minor" fabrication or erection decisions are not considered when applying the loads and load combinations to the individual compression members when stability is being checked, and 2) how do these same decisions affect the overall stability of the frame? Several real-world case studies will be presented that examine the results of decisions made in the design, fabrication, and erection of vertical bracing systems that, when neglected or ignored, could lead to potential stability problems.	04/23/2026	9:45 am	Design & Analysis/Engineering [N]	Perry Green, PhD, PE (SC)
Beyond the Crane Hook: Implementing NCCCO Rigging Certification in Steel Fabrication and Erection [Y6]	Today's structural steel projects increasingly mandate NCCCO Level I or Level II Certified Riggers. This session provides a practical overview of these essential certifications, clarifying basic requirements and the difference between Level I and Level II. Learn how fabricators and erectors benefit from investing in this workforce training, covering both the direct safety and compliance advantages and the indirect benefits of improved operational efficiency on your projects.	04/23/2026	9:45 am	SafetyCon [Y]	Michael Minter Jr., Jason Corder
Beyond the Finish: Fire Protection Strategies with Intumescent Coatings [N7]	Intumescent coatings offer structural steel designers a sleek, architecturally friendly fire protection option—but choosing between shop-applied and field-applied systems involves more than just aesthetics. This session explores the full range of considerations for specifying and delivering intumescent coatings, including durability in different environments, quality control challenges, schedule and sequencing impacts, and the long-term cost implications of maintenance and reapplication. Attendees will gain practical insights into coordinating with fabricators, applicators, and inspectors to ensure performance goals are met while optimizing project timelines and budgets.	04/23/2026	11:00 am	Design & Analysis/Engineering [N]	Cabot Wilkinson
Big Connections: No Screwing Around! [C7]	This session, featuring two of the best known connection designers, will review some of their largest and unique connections they have ever designed--from nodes to trusses to bracing! Attendees will gain new perspectives and a better understanding of the strategies for designing "big connections." In addition, the session will will focus on identifying potential issues that may arise and hear discussions on solutions to resolve them.	04/23/2026	11:00 am	Connections [C]	Carol Drucker, PE, SE, P.Eng, Brian Volpe, PE, SE, LEED AP, Ethan Wells, P.E.
Bluebeam's Steel	Accurate steel takeoffs are the backbone of every successful structural project. This workshop guides attendees through the day-to-day workflow and demonstrates the complete digital takeoff process using Bluebeam Revu. We will walk through how to perform consistent quantity takeoffs, apply specialized markup tools, and use the Tool Chest and a customized Markups List to create a standardized, repeatable approach for teams of any size. The session also highlights enhancements in Revu 21 and shows how a tailored takeoff environment can simplify revisions, maintain accuracy, and ultimately improve both bidding speed and quality. Attendees will receive		11:00		

Takeoff Tools [EW14]	access to Bluebeam’s Steel Takeoff Kit, which includes custom tool sets designed to support a unified workflow across their organization. By the end of the session, participants will understand how to increase accuracy, save time, streamline updates, reduce paper and overhead costs, and build a more consistent estimating process for every steel project. For the best experience, participants should have a basic understanding of structural steel drawings and takeoff workflows, along with general familiarity with Bluebeam Revu. Bringing a laptop with Revu installed is encouraged but not required. Exhibitor Workshops do not offer PDH credits	04/23/2026	am		
Bolted Back Together: A Connection Designers Reunion [C1]	Bo Dowswell and Larry Muir first presented on the same stage over twenty years ago - though at that time they did not know each other. This session reunites the two connection designers to discuss what they've learned since they first crossed paths.	04/22/2026	10:15 am	Connections [C]	Bo Dowswell, Larry Muir, Brent Leu
Bolting: Top Ten Things That Go Wrong and What to Do about Them [QC22]	Bolt broke? In the threads or under the head? Threads stripped? Bolt threads or nut threads? Bolts that were pretensioned now seem loose? Bolt assembly failed to meet pretension during pre-installation verification testing? Bolt assembly failed rotational-capacity testing? Twist-off bolt broke before the spline sheared off? Twist-off bolt threads stripped before the spline sheared off? The direct tension indicators don’t indicate as intended? Forgot to use a washer? Holes are misaligned? The bolts were nice and oily when stuffed in the connection, but now look dry and/or rusty before getting around to pretensioning? Your bolts look pretty shiny – is electroplated OK? Don’t know where the bolt/nut/washer came from? Is the inspector bringing out the torque wrench to inspect the bolting work? That’s more than ten, but guidance and solutions for these (and likely more) issues will be presented. Bring your favorite horror story for discussion.	04/22/2026	1:45 pm	QualityCon [QC]	Bob Shaw, Loren Thomas
Boxed Lunch	Join us for Lunch in the Exhibit Hall!	04/23/2026	12:00 pm		
Boxed Lunch	Join us for Lunch in the Exhibit Hall!	04/24/2026	11:30 am		
Boxed Lunch	Join us for Lunch in the Exhibit Hall!	04/22/2026	12:00 pm		
BRB Chevron Effects: A Novel Section Analysis Method and Design Aid [N8]	Attendees will gain an understanding of the effects of BRB gusset plates on the structure and learn how to eliminate undesirable structural responses. The session will include a review of existing design methods, a discussion of analysis methodology, and a review of AISC-based design examples.	04/23/2026	1:45 pm	Design & Analysis/Engineering [N]	Domingo Moran, Phd, PE
Bridge Construction: A General Contractor and Erector Perspective [B12]	General contractors and erectors who primarily focus on bridge construction will give their perspective related to steel bridge designs that they build. They will share lessons learned and possible improvements that designers can make in their contract documents to increase efficiency in bridge construction.	04/23/2026	9:45 am	Bridges [B]	Jared English, Nick Herweck, Josh Crain, Jason Maffeo

Bridges [S12]	1. Muhie Dean Ahdab, "Influence of Elastic Buckling Characteristics on Inelastic Shear Capacity of Steel Plate Girders" 2. Aritra Chatterjee, "Eigenvalue analysis of box girder cross-sections considering realistic bearing-type boundary conditions" 3. Malik Farooq, "Thermal fatigue behavior of metal roofs under heatwave conditions"	04/24/2026	11:00 am	SSRC Annual Stability Conference [S]	Craig Quadrato, Muhie Dean Ahdab, Aritra Chatterjee, Mailk Farooq
Bridges on the Move [B19]	Movable bridge structures typically rely on structural steel not only for its strength, but given its lighter weight as compared to other materials. This session will include two recent movable bridge projects, highlighting the use of structural steel.	04/24/2026	2:00 pm	Bridges [B]	Brandon Chavel, Keith Griesing, PE, Barry Keung, Ryan Wagner, Jason Hardell
Bridging the Generational Gap [F1]	For many fabricators and engineers, the transition from less baby boomers to more Gen Z employees has not been without issues. Differences in values, communication styles, and expectations are only part of the story – the bigger challenge is retaining and attracting the next generation of talent as many move to other fields. This panel gives the mic to Gen Z fabricators and engineers to share their candid perspectives on what matters most to them and how companies can bridge the generational gap.	04/22/2026	10:15 am	Fabrication & Erection [F]	Paige Freeman, Vayda Wilkins, Kimberly Guzman, Jaylen Alexander
Building a Town, Not Just a Company: How KL&A Grows Leaders at Every Level [Z1]	How do you grow a firm without sacrificing culture, accountability, or connection? KL&A tackled this challenge by separating—and then intentionally re-integrating—their production, people, and growth systems into three pillars: The Workshop, The House, and The Garden. In this session, you'll learn how this structure supports a scalable leadership framework, hear practical methods for engaging every employee in leadership development through Personal Development Plans (PDPs), coaching, and role clarity, and gain candid insight into what's worked, what's been unexpectedly challenging, and how the team continues to adapt. Whether you lead a small studio or a growing enterprise, you'll leave with actionable ideas to strengthen leadership at every level.	04/22/2026	10:15 am	Business [Z]	Zac Brownson, Brant Lahnert
Building Leaders: Taking Charge in an Ever-Changing World [K1]	Can a mom with no construction experience, together with her young children, actually build a house from scratch? Award-winning speaker and author Cara Brookins is living proof that with the right motivation, you can achieve amazing results. In a world filled with economic uncertainty, political volatility, unprecedented developments in technology, increasingly devastating natural disasters, and never-ending challenges, staying motivated can feel impossible. Cara combines her expertise in the science of motivation with more than twenty years of business experience to empower audiences to navigate change and thrive in any situation. Using real-life examples from her unconventional construction site, Cara shares the latest science-based motivation strategies to challenge conventional thinking and transform the way you approach personal growth, change, teamwork, and leadership.	04/22/2026	8:00 am	Keynote [K]	Cara Brookins

Building Quality from the Ground Up: Training Erectors for Excellence [QC9]	Quality on the jobsite starts long before the first beam is set — it begins with how an erector's team is trained, equipped, and empowered to deliver excellence. In an era of tight schedules, complex designs, and heightened safety and inspection standards, investing in effective quality training has never been more essential. This session will explore proven strategies for developing and sustaining a culture of quality within steel erection companies.	04/23/2026	3:00 pm	QualityCon [QC]	Lisa Patel, Tim Duke
Building Strong Foundations Part 1 of 2 for CAPS: Mastering Contracts, Proposals, and Dispute Management in Steel Fabrication [CAPS3-1]	This session is only open to registered CAPS participants. In this presentation, we will explore the essential strategies for steel fabricators, engineers, and erectors to ensure successful project execution. We'll start with key items to review at bid and the importance of issuing good proposals. We'll delve into upstream contracts, key contract terms, and the significance of downstream contracts. We'll also cover change order preparation and schedule management. Join us to build a strong foundation for your steel fabrication projects!	04/22/2026	1:45 pm	CAPS 3	Christian Crosby, Angela Richie
Building Strong Foundations Part 2 of 2 for CAPS: Mastering Contracts, Proposals, and Dispute Management in Steel Fabrication [CAPS3-2]	This session is only open to registered CAPS participants. In this presentation, we will explore the essential strategies for steel fabricators, engineers, and erectors to ensure successful project execution. We'll start with key items to review at bid and the importance of issuing good proposals. We'll delve into upstream contracts, key contract terms, and the significance of downstream contracts. We'll also cover change order preparation and schedule management. Join us to build a strong foundation for your steel fabrication projects!	04/22/2026	3:00 pm	CAPS 3	Angela Richie
Building Stronger Teammates Through Skill Training: Inside the AISC Fabricator Education Program [W2]	Want to build a stronger, more skilled team in your shop? Join us for an inside look at AISC's Fabricator Education Program with program super-user Jonathan Smotherman (Cooper Steel) and AISC's program manager, Joel Landsverk. Learn how industry-specific training tools are helping shops boost productivity, retention, and employee confidence.	04/22/2026	11:30 am	Workforce Development [W]	Joel Landsverk, Hope Hrabowy, Jonathan Smotherman
Built to Move, Meant to Stand: Seismic Connections from an Erector's Viewpoint [QC19]	Seismic performance starts long before an earthquake—it begins with how connections are installed in the field. For structural steel erectors, understanding the nuances of seismic connection detailing, fit-up, and inspection is critical to ensuring a building's integrity when the ground starts to shake. This session will focus on the unique challenges erectors face when working with seismic connection details and assemblies.	04/22/2026	3:00 pm	QualityCon [QC]	Lisa Patel, Michael Gase, Daniel Christensen
CAPS Accounting for Project Managers: Making Sense of the Numbers that Drive Your Fabrication Projects [CAPS3-3]	This session is only open to registered CAPS participants. This session is designed specifically for steel fabrication project managers who want to understand the basics that connect the estimate, cost tracking (what goes where), the components that make up the labor rate, and the percent complete accounting method that tracks to the company's bottom line. You'll learn how to interpret estimates, understand the true cost of labor (direct, indirect, and SG&A), and see how the percent-complete method turns job progress into financial results reflected on the company's income statement and balance sheet. Walk away with the confidence to talk numbers with your accounting team.	04/22/2026	4:45 pm	CAPS 3	Christian Crosby, John Schuepbach

CAPS Project Management: A Day in the Life of a Project Manager [CAPS3-4]	This session is only open to registered CAPS participants. In this panel discussion, we will explore what seasoned project managers accomplish in the day-to-day operations and some key insights to being successful in managing their projects. CAPS participants will then be given the opportunity to ask questions.	04/23/2026	11:00 am	CAPS 3	Ted Swenson, Lynda Leigh, Mark Yerke, Jon Beier
Case Studies in Professional Ethics [N52a]	Ethics are the skeletal framework on which a success professional career is built upon. In this session you'll learn by studying case histories that will help you better understand your code of ethics and its importance in the practice of engineering.	04/23/2026	11:00 am	Design & Analysis/Engineering [N]	Tara Hoke, Aff.M.ASCE
Case Studies in Professional Ethics [N52b]	Ethics are the skeletal framework on which a success professional career is built upon. In this session you'll learn by studying case histories that will help you better understand your code of ethics and its importance in the practice of engineering.	04/24/2026	2:00 pm	Design & Analysis/Engineering [N]	Tara Hoke, Aff.M.ASCE
Case Studies on Emergency Response: Lessons Learned! [B17]	Two exciting emergency responses for steel bridges are presented. First, in August 2021, a portion of the Denali Park Road was displaced by the Pretty Rocks Landslide, cutting off vehicular access to popular visitor destinations and facilities. Second, On June 27, 2024, an overheight vehicle collided with the overhead portal bracings of the lift span of the Hood River Bridge, resulting in the closure of the heavily traveled interstate connection. This session explores the response that each project team worked through to reopen the respective routes, considering various site-specific challenges and utilizing innovative solutions that minimized onsite construction.	04/24/2026	11:00 am	Bridges [B]	Devin Altman, PE, Randy Thomas, PE, Ryan Slein, Ph.D., Eric Rau, Maxwell Higlin
Case Studies on Structural Stability Failures: You Make the Call [N53a]	This engaging, interactive session features a panel of engineers and academics presenting their views on the root cause of various structural collapse case studies. Audience members vote on which cause was most likely. Finally, the moderator reveals and explains the true nature of the collapse.	04/23/2026	9:45 am	Design & Analysis/Engineering [N]	Ronald Ziemian, PhD, PE, Craig Quadrato, Cliff Bishop, Ph.D., P.E., S.E., Rafael Sabelli, SE, Patricia Clayton, John Hooper
Case Studies on Structural Stability Failures: You Make the Call [N53b]	This engaging, interactive session features a panel of engineers and academics presenting their views on the root cause of various structural collapse case studies. Audience members vote on which cause was most likely. Finally, the moderator reveals and explains the true nature of the collapse.	04/24/2026	12:45 pm	Design & Analysis/Engineering [N]	Ronald Ziemian, PhD, PE, Craig Quadrato, Cliff Bishop, Ph.D., P.E., S.E., Rafael Sabelli, SE, Patricia Clayton, John Hooper
Castellated Beams: The New Joist? [N9]	Discover the latest in expanded web beam technology in this session, which covers cost advantages, fabrication methods, and key considerations for design, specification, detailing, and installation. Gain practical insights to enhance structural performance and efficiency in your projects.	04/23/2026	3:00 pm	Design & Analysis/Engineering [N]	Brandon Bell, Jack Koehler, P.E., S.E.

Certification Connect [QC1]	Join us for Certification Connect! Enjoy coffee and pastries while you connect with the AISC certification team, QMC auditors, and other fabricators and erectors. Get the latest certification updates, speak with an auditor, and learn more about applying for new certifications or adding to existing ones. All your certification questions will be answered.	04/22/2026	10:15 am	QualityCon [QC]	Lisa Patel, Todd Alwood, Larry Martof, Loren Thomas
Chapel Steel: Plate and Machined Cut Parts [EW7]	Showcasing our capabilities to the fabricators. With our value-add equipment, rail, and massive storage facilities we can add profit dollars to structural fabricators' bottom lines across the U.S. and Canada. Exhibitor Workshops do not offer PDH credits	04/22/2026	3:00 pm		
Code of Standard Practice for CAPS: What You Need to Know About the Code [CAPS2-2]	This session is only open to registered CAPS participants. The Code of Standard Practice is a critical resource for you in the steel erection business. This document provides trade practices for those involved in the design, purchase, fabrication, and erection of structural steel. This session will provide a detailed review of specific sections of the Code for steel designers, fabricators, and erectors who are enrolled in the CAPS program.	04/22/2026	1:45 pm	CAPS 2	Todd Alwood, Tim Duke, Babette Freund
Cold-Formed Steel Stability [SS2]	1. M Anbarasu, "Web crippling investigation of CFS open built-up sections subjected to exterior one-flange loading" 2. Aswin Kumar Jeyabalan, "Buckling Analysis of Lipped CFS Clip Angles in Beam-Column Connections Enabling Reuse" 3. Mahendrakumar Madhavan, "Residual stress distribution in cold-formed steel channel section" 4. Sivaganesh Selvaraj, "Towards Establishing The Reuse Design Rules for Cold-Formed Steel Channel Stub Columns"	04/21/2026	1:10 pm	SSRC Annual Stability Conference [S]	M Anbarasu, Aswin Kumar Jeyabalan, Mahendrakumar Madhavan, Prof., Sivaganesh Selvaraj, Benjamin Schafer, Ph.D., PE
Columns 1 [S1]	1. Sandor Adany, "A Design Method to Calculate the Critical Forces of Columns with Partially Continuous Elastic Supports" 2. Nicolas Boissonnade, "Buckling Behavior of Laced Built-Up Steel Columns Considering Local/Global/Built-Up Interaction"	04/22/2026	10:15 am	SSRC Annual Stability Conference [S]	Sandor Adany, Nicolas Boissonnade, Hyeyoung Koh
Columns 2 [S6]	1. Anil Agarwal, "Residual Axial Capacity of Square Hollow Tubular Columns after Lateral Impact while under Compression Loading" 2. Morane Chloe Mefande Wack, "O.I.C.-based design of hot-rolled steel channel sections under compression." 3. Ann Sychterz, "Damage Detection and Sensor Optimzation for Stability Characterization of a Meter-Scale Origami Pill-Bug Structure"	04/23/2026	9:45 am	SSRC Annual Stability Conference [S]	Anil Agarwal, Morane Chloe Mefande Wack, Ann Sychterz, Dan Linzell
Computer Analysis Verification for Connections [C2]	This session will focus on the evaluation of results from computer-based connection design software. How do we verify the results of the model analysis? How can modeling decisions affect our results? We will discuss the benefits of validating results using simplified connections and expanding those results to more complicated details.	04/22/2026	11:30 am	Connections [C]	Jason M. Dimaria, PE
Concentrated and Nonuniform Loading on Deck [N10]	Roof and floor decks with elevated slabs are typically designed for uniform loads. However, real-world conditions, such as accommodating collateral loads or equipment, often deviate from this idealized scenario. This presentation will help you assess existing systems or design new ones to handle nonuniform load considerations effectively.	04/23/2026	4:15 pm	Design & Analysis/Engineering [N]	Mike Antici, Joshua Canova, P.E., Forrest Cunningham

Concrete-Filled Tubes (CFT)/HSS [N55]	When steel and concrete work together, the result is effective: Concrete-Filled Tube (CFT) members deliver unique strength and stiffness. By combining the high tensile strength and confinement of steel with the compressive capacity of concrete, CFTs deliver high structural performance and, in many cases, inherent fire resistance. With the AISC 360-22 Specification expanding design guidance through Appendix 2, engineers now have clearer direction for using high-strength materials in CFT applications. In this session, Dr. Amit Varma will unpack the research and code developments behind these updates, while Mr. Josh Mouras, MKA, will share practical lessons from completed CFT case study in the use of CFT in the design of a steel building. Topics include design considerations for CFT, use of concrete fill as fire rating, and lessons learned from construction.	04/24/2026	11:00 am	Design & Analysis/Engineering [N]	Joshua M. Mouras, Amit H. Varma
Conference Dinner	We take “dinner with a view” seriously! As you wind down from a busy day at the biggest structural steel event in the country, it’s only fitting to have an up-close look at the largest known fish in the ocean. Take in Georgia Aquarium’s famous whale shark exhibit (and much more—we rented out the whole place!) at this year’s conference dinner, which will kick off at 7:00 p.m..	04/23/2026	7:00 pm		
Conflict Management [CAPS3-5]	In this very interactive session, attendees will discover the crucial keys to conflict management and will learn that while conflict is inevitable, there are tools and methods that are effective in different situations. This session is only open to registered CAPS participants.	04/23/2026	3:00 pm	CAPS 3	James Reeves, J.D., LL.M., Charles Carter, SE, PE, PhD
Connecting Communities with Steel: GDOT Bridge Projects in Focus [B7]	Steel bridges are a vital part of Georgia’s transportation network, and the Georgia Department of Transportation (GDOT) continues to advance how steel is used to deliver durable, elegant, and constructible bridge solutions. Through close collaboration with designers, fabricators, and contractors, GDOT is using steel to push the state of the art while addressing real-world site, community, and lifecycle challenges. This session highlights two recent GDOT-administered projects that exemplify this approach. The Camp Creek Parkway Pedestrian Bridge demonstrates how long-span steel solutions can be used to create architecturally significant crossings that enhance multimodal connectivity while meeting demanding geometric, fabrication, and erection constraints. The project showcases how steel enables efficient construction in high-visibility urban environments. The session will also feature the Rogers Bridge project, a replacement of a century-old historic truss crossing over the Chattahoochee River that reconnects communities while honoring the legacy of the original structure. The new steel truss bridge balances historical context, modern performance requirements, environmental constraints, and constructability, including complex erection over a sensitive river corridor and accommodation of critical utility infrastructure.	04/23/2026	9:45 am	Bridges [B]	Jeff Carlson, PE, Josh Stamm, P.E., James Aitken, Samir Patel, EIT
Connecting the Load Path: Diaphragms Are More Than Just Deck	Open web steel joists and joist girders are often used to support the structure for steel deck and concrete floor diaphragms. The joists and joist girders not only provide gravity support but are often categorized as collector elements. After reviewing the methods for determining diaphragm capacity and force distribution, we will review the interaction of the diaphragm with	04/24/2026	11:00 am	Design & Analysis/Engineering [N]	Gerald McKenzie, Ben Pitchford, P.E., Hamid

and Fasteners [N11a]	the supporting joist structure to ensure a complete load path for the diaphragm forces.				Foroughi, Ph.D., PE
Connecting the Load Path: Diaphragms Are More Than Just Deck and Fasteners [N11b]	Open web steel joists and joist girders are often used to support the structure for steel deck and concrete floor diaphragms. The joists and joist girders not only provide gravity support but are often categorized as collector elements. After reviewing the methods for determining diaphragm capacity and force distribution, we will review the interaction of the diaphragm with the supporting joist structure to ensure a complete load path for the diaphragm forces.	04/24/2026	2:00 pm	Design & Analysis/Engineering [N]	Gerald McKenzie, Hamid Foroughi, Ph.D., PE, Stevee Boyd
Connection Design Outside the Manual [C3]	This presentation will cover the design of connections that don't fall within the AISC connections provided in the manual. Several connection examples will be covered using free body diagrams, principals from the AISC Code and free body diagrams showing the load path.	04/22/2026	1:45 pm	Connections [C]	Mara Braselton
Connection Intelligence that Optimizes for Constructability, Cost and Carbon [EW23]	This session will present new technologies that reduce inefficiency, time and embodied carbon through Qnect's Early Connected Model (ECM). The process innovation has been enhanced due to a 2 year research project with the US ARMY that optimized steel connections for cost and carbon. Attendees will see how using Qnect for Autodesk Revit as part of the ECM process can resolve constructability issues and visualize in 3D the lateral connections and framing requiring reinforcements. They will learn how to compare the cost and carbon of steel connections, including material, fabrication and erection. To provide the full picture, FICEP will showcase how they measure real-time energy usage during fabrication, providing the digital history and "proof of savings" required in today's market. Presenters: Michael Gustafson, Qnect & Christian Colombo, FICEP Exhibitor Workshops do not offer PDH credits	04/24/2026	9:45 am		
Connection to Mars: Connection Design on the NASA ML2 Project [CS5]	As part of NASA's Artemis Program, the new 380-foot tall Mobile Launcher 2 (ML2) rocket support structure will serve as the key to successfully assembling, transporting and launching NASA's Space Launch System (SLS) and Orion spacecraft. The severe conditions to which the structure is subjected during these processes required unique but challenging design criteria for the structural members as well as the connections within the structure. This presentation will provide an overview of the ML2 structure and project requirements. It will then discuss the various aspects of design in which CSD was involved, highlighting the coordination between all parties of the project as well as the challenges and lessons learned from this unique project.	04/22/2026	4:45 pm	Case Study [CS]	Josh Szmergalski, PE, Casey Peterson, PE, Michael Kempfert
Connections to HSS Columns [C6]	This session focuses on design considerations, limitations, pitfalls, etc. when designing connections to HSS columns, from the perspective of a connection design engineer. Attendees will learn tips for sizing HSS columns for Engineers of Record. The session will cover general HSS information and resources, shear connection considerations, lateral connection considerations, column splices, and will look at two examples of unique challenges and solutions.	04/23/2026	9:45 am	Connections [C]	Tyler Sease, PE, SE

Constructing Effective, Relevant, and Measurable Goals [QC15]	Establishing clear, actionable goals is crucial for successful structural steel projects. This session offers practical advice on developing SMART (specific, measurable, achievable, relevant, and time-bound) goals.	04/22/2026	11:30 am	QualityCon [QC]	Roger Abercrombie, Loren Thomas
Construction Contracts 101: An Introduction to Important Contract Provisions and How They Impact Your Responsibilities [CAPS1-2]	This session is only open to registered CAPS participants. Contracts are central to an understanding of the scope of work and the terms and conditions that identify the responsibilities of the parties. And while many contracts contain terms that are similar, not all contracts are the same and certainly they are not all equal in how they allocate performance risk. In this program, we will introduce you to important contract provisions that impact not only your responsibilities but also those of the general contractor and the structural engineer. For example, we will review scope of work provisions, scheduling provisions and payment provisions. We will also cover provisions of the Code of Standard Practice to better understand the requirements that impact the work of the steel fabricator and structural engineer.	04/22/2026	11:30 am	CAPS 1	Matthew Skaroff, Charles Carter, SE, PE, PhD
Corrosion Detection using Phased Array Ultrasonic Testing [EW10]	This workshop will focus on detecting corrosion in anchor bolts, threaded rods, tank bottoms, and areas with little to no visual access ability using Phased Array Ultrasonic Testing. Exhibitor Workshops do not offer PDH credits.	04/22/2026	4:45 pm		
Cost and Carbon Savings from Steel Reuse in Short-span Bridges [G10]	County engineers across the country commonly reuse steel in short-span, low traffic volume bridges. Steel reuse enables cost savings of up to 53%, and dramatically reduces the carbon emissions associated with bridge replacement. This presentation shares case studies of steel reuse in bridges, highlighting enabling conditions and the broader potential for more widespread reuse.	04/24/2026	11:00 am	Sustainability [G]	Jonathan Tavarez, PE, Lili Boenigk, Mark Eicher, PE, PS
Crane Runway Girders and Connections [N21]	This session will cover the unique loading conditions and behavior of crane runway girders, and the effect that has on the girder connections. The session will cover background on cranes and runway structures, and review the code and other technical documents that contribute to runway design criteria. Design principles for the girders and connections will be reviewed including strength, deflection, and fatigue considerations.	04/23/2026	4:15 pm	Design & Analysis/Engineering [N]	Michael Kempfert, Tim Bickel
Critical Compliance and Inspection Requirements: Navigating Code-Mandated Inspection (Chapters 360-N and 341-J) [QC4]	ANSI/AISC 360 Specification for Structural Steel Buildings, Chapter N, Quality Control and Quality Assurance, and ANSI/AISC 341 Seismic Provisions for Structural Steel Buildings, Chapter J, Quality Control and Quality Assurance, both list various inspection tasks for structural steel. How do these relate to the International Building Code? What documents do you use to perform these inspections? What are some methods you can use to meet these requirements? This session will answer these questions and more.	04/22/2026	3:00 pm	QualityCon [QC]	Lawrence Kruth, PE, Lisa Patel
Critical Contract Provisions You Must Address and Negotiate During the Bid Phase	In this program, we will identify and discuss the critical contract provisions which pose the most risk exposure to you and your company. From Bid documents to No Damage for Delay Claims to Indemnity Provisions, we will analyze the implications of accepting these terms and how they may affect your performance and liability for scope and recovery. By recognizing and	04/23/2026	9:45 am	Legal [L]	Edward Seglias, Esquire, Jason Copley, Esquire, George E. Pallas,

[L2]	negotiating these terms and provisions during the bid phase, your chance of a more positive project outcome should improve.				Esquire
Current Views from Past Higgins Award Winners: Innovations in the Stability Design of Structural Steel [N12]	This presentation will provide an overview of recent developments in the AISC Specification and AASHTO LRFD Bridge Design Specifications (BDS) and how they support innovations in the stability design of steel structures. You'll hear about updates being considered for AISC 360-27, recent updates to the AASHTO LRFD BDS 10th Edition, the application of Eurocode 3 General Method in the context of the AISC Specification, and a comparison of buckling solution versus advanced analysis based methods of design verification.	04/24/2026	11:00 am	Design & Analysis/Engineering [N]	Donald White, PhD, Larry Fahnestock, PhD, PE
D1.1 Decoded: Making Sense of the 2025 Welding Code Revisions [QC14]	Stay current with the 2025 AWS D1.1 updates! This session is essential for structural steel fabricators, welders, and inspectors. We'll simplify the key changes and their impact on daily shop and field operations. Learn about revised prequalification requirements, updated inspection criteria, and new terminology. We'll cover practical implications for welding procedures, documentation, and compliance. Ensure your team is code-compliant from start to finish, whether you're in quality control, shop welding, or field erection.	04/24/2026	2:00 pm	QualityCon [QC]	Michael Gase, Anthony Phillips
Deck Detailing Made Easy (or at Least Easier)! [D8]	Detailing steel deck is a very specialized process and typically only steel deck manufacturing professionals are intimately familiar with its requirements. During this presentation, we will highlight the best practices when detailing deck and coordinating with other trades throughout each phase of a typical project. We will provide practical insight regarding deck installation and attachment from the Steel Deck Institute (SDI), and coordination techniques that will support minimizing project delays. This session will emphasize that communication between industry partners throughout each phase is a key factor in achieving a successful project.	04/24/2026	9:45 am	Detailing [D]	Mark Cook, Kyle VanDuzer
Delegated Connection Design: Best Practices for EOR Contract Documents [C4]	This session will provide an overview of the three options available to use for delegated connection design. The information required to be provided by the EOR in the design documents for each option will be presented. This will be supplemented with examples of how the information is often presented as well as examples that show the common issues that can arise from missing or overly conservative design requirements.	04/22/2026	3:00 pm	Connections [C]	Jerod Hoffman, PE, Josh Szmergalski, PE, Casey Peterson, PE
Delegated Stair Collaboration: What the SER Needs to Focus on for Successful Outcomes [N13]	This session will provide an introduction to AISC Design Guide 34, Steel-Framed Stairway Design. Specific focus will be provided for the Structural Engineer of Record (SER) to achieve successful project outcomes related to delegated stair engineering. Guidance and recommendations for loading, serviceability, and providing adequate delegated criteria along with examples will be covered.	04/22/2026	10:15 am	Design & Analysis/Engineering [N]	Michael Kempfert, Adam Friedman, P.E., S.E.
Design and Detailing for Existing Buildings: The Creative Process	Existing buildings present unique challenges in steel design and detailing. In the face of restrictive design constraints, great steel designs hide complexity inside deceptively simple final products. These solutions look obvious once we see them, but how do we get there? We need creativity, collaboration, and a toolbox of both detailing and problem solving skills. This session will	04/22/2026	11:30 am	Design & Analysis/Engineering [N]	Dan Sloat

[N14]	explore techniques for creating elegant details and discuss common pitfalls. Participants will be provided example problems with which to practice these skills after the session.			[N]	
Design by Advanced Analysis with AISC 360 Appendix 1 [N15]	A structural analysis is at the heart of modern steel design. Appendix 1 of AISC 360 offers engineers alternative ways to go beyond standard elastic analysis methods, and thereby take advantage of advanced inelastic approaches. These tools make it possible to more closely capture how structures behave and realize benefits that exceed those of traditional plastic design. This session will introduce the key provisions, walk through practical examples, and highlight what they mean for the future of steel design.	04/23/2026	3:00 pm	Design & Analysis/Engineering [N]	Ronald Ziemian, PhD, PE, Richard Henige, SE, PE, Larry Fahnestock, PhD, PE
Designing an Amphitheater Canopy: From Leaf to Landmark [CS6]	What began as a simple sketch of a leaf evolved into a canopy the size of a football field, serving as an iconic riverfront landmark at the new world-class Acrisure Amphitheater in Grand Rapids, Mich. This session will explore the design and engineering journey of the canopy structure, supported by two distinctive three-pronged steel columns. Attendees will learn how the project team transformed an organic concept into an elegant steel structure, addressing load paths, stability systems, fabrication challenges, and erection planning. A special focus will be placed on the engineering and fabrication of the tri-column base connections, custom fabricated by CastConnex, which played a pivotal role in achieving both structural performance and architectural design intent.	04/23/2026	9:45 am	Case Study [CS]	Erica Flannery, PE, Jacinda Collins, PE, LEED Green Associate
Designing for Redundancy: Simplified Design Methodology and Full-Scale, In-Situ Fractures [B11]	Internal redundancy has emerged as a renewed fracture control methodology with the addition of the AASHTO Guide Specifications for Internal Redundancy of Mechanically-Fastened Built-up Steel Members. It has unlocked new potential for design approaches that encourage new thinking around fracture control and risk based inspection protocols. This three-part session will first explore the developement of a simplified methodology for desgining tie girders as internally redundanmt memebrs. The second part will review a full-scale, in-situ fracture simulation of a steel truss bridge discussing the effects of the post-fractured structure. And the final presentation will cover the process owners and FHWA must follow to classify steel bridge members as SRM or IRM. There have been a limited number of owners that have approved procedures for SRM or IRM classification and a summary of those specific procedures will also be covered.	04/23/2026	3:00 pm	Bridges [B]	Justin Ocel, Brandon Chavel, Robert Connor
Designing Steel Connections Without Welding Or Drilling	Introduction to Lindapter: • Our history, which began in 1934. • Market sectors and industries we supply. • Global brands we have worked with. • Conventional connection methods vs. Lindapter Method • Overview of welding and drilling & bolting versus Lindapter clamping systems. Innovative solutions: • Girder clamps for steel sections • Hollo-Bolt expansion bolts for HSS • Floor fixings for steel flooring Typical applications, installation and case studies: • See a wide selection of typical assemblies that are possible with Lindapter products and find out how other customers have used them to solve problems in real case study examples. • Video animations are also used to demonstrate the simplicity of installation. Technical support (free	04/23/2026	1:45 pm		

[EW16]	connection detailing): • Learn about our industry leading technical support services, including FREE connection detailing, site visits, and contractor product installation training. Research and development (customized product solutions) • Do you have a unique connection problem? Our R&D facility can work with you to develop bespoke products and solutions. Q&A session • Our experienced presenter will take questions from the audience at the end of the presentation. Exhibitor Workshops do not offer PDH credits				
Designing Structural Steel for Hot Dipped Galvanizing [F5]	Galvanized structural steel has been used throughout various markets to provide protection from corrosion in harsh environments.The Designing for Hot-Dip Galvanizing seminar will assist you in the design and integration of corrosion protection in your next project. The course examines the hot-dip galvanizing process, ASTM specifications, design best practice, inspection, and preparing the galvanized surface for painting/powder coating.	04/22/2026	4:45 pm	Fabrication & Erection [F]	Jeff Cunningham
Designing Weld Joints for Successful Automation in Structural Fabrication [EW20]	Welding automation depends on joint designs that support consistent fit-up, predictable part presentation, and clear access for robotic or mechanized welding systems. This session explores how joint geometry, groove selection, tolerances, and preparation methods influence the suitability of fixed automation, flexible automation, and collaborative robots. Attendees will learn how adjustments to joint design can reduce weld volume, improve multi-pass sequencing, increase robotic reach, and support higher travel speeds. Insights from a recent multi-pass research project will highlight how automation responds to variations in joint configuration. Examples from structural fabrication will show how intentional joint design can reduce weld time by 30% to 60% and improve overall repeatability. Participants will leave with practical guidelines for developing joint designs that enable reliable, scalable, and efficient welding automation. Exhibitor Workshops do not offer PDH credits	04/23/2026	4:15 pm		
Designing with Data [T4]	The structural steel industry is embracing a data-driven approach, or "engineering with data," to boost efficiency in design and secure a competitive edge. This session will highlight these efforts, which range from foundational initiatives for collecting and curating structural steel test data to the implementation of reliable data-driven models. These models are already informing decisions made by the AISC Technical Committee (TC) and guiding the future evolution of AISC structural specifications for steel-framed buildings.	04/22/2026	3:00 pm	Technology [T]	Cris Moen
Designing with Perforated Metal [EW2]	The architectural uses for perforated metal span a wide variety of interior and exterior applications for residential, industrial, and commercial projects. This workshop reviews the applications and the specification considerations for standard and custom perforated metal. Upon completion of this workshop, the learner should be able to: Discuss the uses and features of perforated metal products Explain how perforated metal is used as a valuable tool for composing light and views to maximize productivity. State how perforated metal is used to manage HVAC flow to improve air quality and enhance thermal comfort. Recall how perforated metal mitigates acoustic issues that cause noise and distraction and diminish creative thinking. Summarize the	04/23/2026	9:45 am		

	manufacturing process and available finishes of perforated metal. Define the factors that influence perforating costs and specification considerations. Exhibitor Workshops do not offer PDH credits				
Designing with Steel in Architecture: Safdie Rabines Architects [A3]	Safdie Rabines Architects' Founding Partner Ricardo Rabines, who oversees the firm with wife and partner Taal Safdie, will speak on his experience and the effects of steel in architectural projects. Emphasis will be given to the elements of steel from the architect's viewpoint, such as: expression of structure through exposed elements; how steel's strength leads to opportunities for clean lines and slender profiles; ability to be welded and shaped into curves and other custom geometries; steel's variety of finishes, from polished and brushed to intentionally left raw, as well as its reflective properties; evolution of its patina in response to climate and age; ability to frame and define a space without fully enclosing the structure, which preserves openness; and the range of its visual identity and artistic possibilities, from conveying an industrial aesthetic to overtly showcasing craftsmanship and engineering. This discussion will shed light on the architect's use of steel to create the sense of shaping, floating, forming, expanding, lightness, and openness. Throughout the presentation Ricardo will display and reference a variety of Safdie Rabines Architects' projects that visually demonstrate the points of this presentation.	04/22/2026	1:45 pm	Architecture [A]	Hunter Ruthrauff, Eric Lindebak, AIA, Ricardo Rabines
Detailing and Designing with Steel Joists and Girders: The Evolution From 2D to 3D [D9]	This session provides a technical overview of the steel joist and girder' continuous evolution from traditional 2D drafting and design to 3D modeling. We will review the interaction of the joist system elements with other trades, such as mechanical, architectural, electrical and plumbing, among others. Attendees will gain insights into the benefits of 3D workflows, including improved visualization of joist/girder profiles, web layouts and bridging types and locations for clash detection, and enhanced collaboration across disciplines.	04/23/2026	4:15 pm	Detailing [D]	Maribel Fernandez, Scott Behrenwald
Digital Safety: Integrating 3D Modeling to Build and Manage Risk Out of Your Erection Plan [Y2]	Modern steel projects demand proactive risk management, and the increasing use of 3D and building information modeling offers a powerful solution. This session shows erectors and engineers how to effectively utilize modeling software—a form of Digital Twin—to build safety directly into the erection plan from the start. Learn practical techniques for using models to: identify potential crane swing conflicts, pre-visualize complex hoisting sequences, establish safe working distances, and communicate hazard mitigation strategies to the entire crew, ensuring successful, safe project execution.	04/22/2026	11:30 am	SafetyCon [Y]	Tim Duke, Josh Collins, PMP, CWI
Digital Technology and Tools for Steel Erectors and Fabricators [F2]	This session focuses on the innovative technology that one erector uses to assist with fabrication and erection, including an overview of BIM software and technology that is taking steel erection to the next level. Attendees will gain an understanding of the processes that erectors use for new and innovative technology in the field, as well as in the office, to effectively and efficiently fabricate and erect structural and miscellaneous steel elements without tolerance issues.	04/22/2026	11:30 am	Fabrication & Erection [F]	Nyckey Heath, Kyle Ahrens, Cory Cook

Dissecting A Diaphragm [N54]	Many engineers never get further in understanding steel deck diaphragms than looking up numbers in a table. But if you want to really tune-up your diaphragm designs, you need to understand exactly what are the critical parameters that determine diaphragm strength and stiffness. Without getting into deep analytical models, this session will demonstrate the variables that influence strength and stiffness for both roof and floor deck diaphragms.	04/24/2026	11:00 am	Design & Analysis/Engineering [N]	Thomas Sputo, Ph.D., P.E., S.E., Dave Golden
Don't Lose Your Best Employees: Retention Strategies for Steel Companies [EW26]	Every steel fabricator and manufacturer wants to attract and retain top talent, but how do you keep your best estimators, project managers, and operations leaders from leaving when a competitor comes recruiting? In this session, you'll learn the incentive plan options available to steel fabricators and manufacturers, how to choose and implement the right one for your business, and why the right retention strategy can significantly increase your company's value to a future buyer without requiring you to give away ownership. We'll also share a real-world case study of how a steel fabricator implemented a golden handcuff plan that led to committed and motivated top employees. Exhibitor Workshops are not eligable for PDH credits	04/24/2026	9:45 am		
Economical and Long-Lasting Short Span Steel Bridges [B22]	For those spans less than 100 feet, steel can be an economical solution that provides a long-lasting structure for many years to come. This session will show how steel can be an efficient solution for those bridge owners with shorter spans.	04/24/2026	12:45 pm	Bridges [B]	Michael Barker, Tanner Genenbacher, PE, John Hastings
Educator Session (for AISC Educator Members Only)	Join the AISC University Programs team and fellow educators for a complimentary lunch and a look at our latest programs and resources for you to teach steel design. Francisco Bonachera Martin (Purdue University) will present on the new bridge engineering program at Purdue University which intends to address the absence of bridge design and evaluation curricula at the university level despite a growing need for infrastructure improvement. Gulen Ozkula (University of District of Columbia) will present a new framework for teaching Gen Z to promote student engagement and workforce readiness. An interest-driven, choice-based assessment framework will be examined to support motivation and professional identity formation in upper-level engineering design courses. Ron Ziemian (Bucknell University) will present a collection of interactive models to help students and educators visualize and intuitively understand buckling. The library includes interactive 3D digital models and 3D printable files. This session is exclusively for educators who are full-time educators at U.S. universities. Those who attend this session are eligible for up to $300 in travel reimbursement. AISC Educator Members also receive discounted registration for the conference.	04/22/2026	12:30 pm		Christina Harber, SE, PE, Francisco Javier Bonachera Martin, PhD, PE, Gulen Ozkula
Effect of Tornado Loads on Industrial	Tornadoes were historically overlooked in building design due to their low probability. However, recent catastrophic events have increased awareness and demand for resilient structures. While ASCE 7-16 mentioned tornado loads only in commentary, ASCE 7-22 formally introduced tornado-induced pressure in a new Chapter. This presentation focuses on the impact of tornado design on industrial buildings. An overview of tornado physics and recent tornado-induced building damage. ASCE 7-22 approach, based on	04/22/2026	3:00	Design & Analysis/Engineering	Rafik Gerges, PhD, SE, Weian Liu,

Building's Steel Roof [N16]	risk category, to determine tornado-induced pressures is explained. The core of the presentation examines the impact on roof framing tonnage when considering tornado design of a prototypical major distribution center virtually placed in multiple US cities. A practical lookup chart has been developed to correlate gust wind speeds with design tornado wind speeds, illustrating the corresponding increase in steel tonnage.		pm	[N]	PhD, SE
Effective Communication [CAPS2-3]	This session is only open to registered CAPS participants. In this very interactive session, attendees will discover the crucial role of communication in achieving effectiveness and will learn which communication methods are most effective in different situations. [CAPS 2-4]	04/22/2026	4:45 pm	CAPS 2	James Reeves, J.D., LL.M., Mark Trimble
Effective Negotiation for CAPS [CAPS3-6]	This session is only open to registered CAPS participants. In this interactive session, CAPS participants will discover several keys to effective negotiations and will learn there are tools and methods that will help in their daily negotiations. [CAPS 3-2]	04/23/2026	4:15 pm	CAPS 3	John Sunderman
Elevate Reception	Join us for a special event dedicated to advancing belonging across the architecture, engineering, and construction industries. We welcome everyone — and especially underrepresented groups and their allies — to connect, reflect, and celebrate the strength that diversity brings to our community. Come share this meaningful evening with new and familiar faces alike!	04/22/2026	7:30 pm		
Emerging Markets: Energy [I1]	This forward-looking session will discuss the next construction market trend coming down the pipeline: energy projects. Attendees will learn the forecasted demand for energy projects, how steel is uniquely suited to meet that demand, and what gaps stand in the way of the domestic steel industry. The session will identify the types of energy projects that will be built over the coming decade and how the energy projects are designed and fabricated both domestically and globally.	04/22/2026	10:15 am	Innovations [I]	Tabitha Stine
Empowering Sustainable Design: Toolkits for Reducing Embodied Carbon in Steel [G6]	In response to the urgent need for low-carbon building solutions, the American Institute of Steel Construction (AISC) has launched a robust sustainability initiative in partnership with the Architecture Center to support architects. This session will introduce attendees to AISC's Sustainability Toolkits for owners and designers, which equips architects, engineers, and developers with the strategies and resources needed to make informed, sustainable choices in structural steel design. Attendees will gain actionable knowledge to support sustainable decision-making, align with industry best practices, and reduce embodied carbon in the built environment.	04/23/2026	11:00 am	Sustainability [G]	Jonathan Tavarez, PE, Elizabeth Lapira, AIA, NOMA
Engineering an Icon: Delivering the Milwaukee Bucks Arena [CS7]	The new Milwaukee Bucks arena is a 714,000-sq.-ft, 18,000-seat venue that redefines downtown Milwaukee's skyline while setting a new benchmark for fast-track delivery and design innovation. Pursuing LEED Gold certification, the project overcame complex site conditions, deep foundation challenges, and the demands of long-span roof trusses and soaring glass façades. Through advanced modeling, creative structural solutions, and seamless collaboration among architects, engineers, and contractors, the team delivered the arena's iconic design—including its zinc-clad north façade,	04/23/2026	11:00 am	Case Study [CS]	Snehal Kadam, P.E., S.E., LEED AP, Paul Griesemer, AIA, LEED AP

	exposed Y-columns, and 120-foot glass atrium—on schedule. The result is a flexible, fan-focused destination that anchors the city's revitalization.				
Engineering the Intuit Dome [CS8]	Intuit Dome in Inglewood, Calif. is the new basketball home for the Los Angeles Clippers of the NBA. This presentation outlines the unique design approaches utilized for the various structural elements, including an iconic steel diagrid shell, the sunken seating bowl, arena long span roof, and a one-million-lb videoboard.	04/23/2026	1:45 pm	Case Study [CS]	Shruti Sharma, PE
Estimodeling with AI: Get Models and Takeoffs Straight from Your PDFs [EW12]	Tired of bid cycles feeling like a rat race? In this session, discover how to deliver estimates 5-10x faster, automating the tedious manual work so you can turn out more bids without burning out your team. Steel Genie by ALLPLAN is an AI-based solution that "estimodels" steel directly from PDFs, turning drawings into BIM-ready structural models, accurate takeoffs, and clean markups in a single pass. Join us for a first look and see how you can deliver high quality estimates and win more work with Steel Genie. Exhibitor Workshops are not eligible for PDH credits	04/23/2026	9:45 am		
Ethical Behavior of Ethical Engineers [N17a]	As engineers we are faced with hundreds of decisions each day that can affect the well-being of others. It includes technical aspects of design, but it also extends to interactions and relationships with our fellow human beings. With the trust of the public's safety and well-being under our charge, we owe it to all to be ethical, fair, honest, kind, and respectful. By acting on principles instead of tasks, we help create a better world around us and build lasting relationships. In this session we will discuss strategies to promote ethical behavior within our organization, business, and profession.	04/23/2026	1:45 pm	Design & Analysis/Engineering [N]	Troy Dye, SE
Ethical Behavior of Ethical Engineers [N17b]	As engineers we are faced with hundreds of decisions each day that can affect the well-being of others. It includes technical aspects of design, but it also extends to interactions and relationships with our fellow human beings. With the trust of the public's safety and well-being under our charge, we owe it to all to be ethical, fair, honest, kind, and respectful. By acting on principles instead of tasks we help create a better world around us and build lasting relationships. In this session we will discuss strategies to promote ethical behavior within our organization, business, and profession.	04/24/2026	12:45 pm	Design & Analysis/Engineering [N]	Troy Dye, SE
Ethics of a Certified Welding Inspector, A Reminder for Doing it Right [QC21]	A Certified Welding Inspector (CWI) is often considered the Subject Matter Expert (SME) by the engineer. They are responsible for verifying that work being done by a fabricator or erector complies with contract documents. Their work often involves inspection of public structures such as schools, hospitals, bridges, and infrastructure. Failure of any structure can lead to catastrophic results. Comments outside their scope or knowledge base can significantly affect the fabricator or erector. Being human beings, there can be times when a CWI might not fully comply with the AWS Code of Ethics. This presentation will offer insight into what can go wrong and how to be a respected inspector.	04/23/2026	1:45 pm	QualityCon [QC]	Michael Gase, Garrett McCann

Evaluation, Modification, Retrofit: Steel Joist Roofs and Floors [N18]	Engineers often find themselves faced with an existing steel joist building and no as-built drawings available. This session will assist in identifying what is in place, how to evaluate, then to modify the structure to a new loading criteria.	04/22/2026	4:45 pm	Design & Analysis/Engineering [N]	Tim Holtermann, Walter Worthley, Phillip Knodel, PE
Existing Steel Connection DCR > 1.0...Where to Start [C5]	This session will introduce the basics of reinforcing existing steel connections and provide examples, offering actionable insights that can help you the next time you need to strengthen an existing steel connection. Information will be provided on replacing rivets with bolts, stiffening moment connections, adding weld, stiffeners, and seated connections, and shoring.	04/22/2026	4:45 pm	Connections [C]	Christine Freisinger, SE, PE, Hannah Rakowski, PE
Exposed Steel, Clear Solutions: Making AESS Work [N19]	Architecturally Exposed Structural Steel (AESS) can spark big debates between what's envisioned and what's achievable—but it doesn't have to be a battle. This panel brings together architects, engineers, and fabricators to share positive, real-world perspectives on how to align design intent with practical execution. Through a series of examples, we'll explore the difference between what's often requested and what's truly needed, highlighting strategies to streamline expectations, achieve design elegance, and foster collaboration across the project team. Attendees will walk away with a clearer understanding of how to deliver AESS successfully—without the conflict.	04/23/2026	11:00 am	Design & Analysis/Engineering [N]	Rob Burlington, Jason Ross, AIA, LEED GA, Stephen Richards, PE, SE
Extended Single-Plate Shear Connections: LTB Considerations in Industrial Structures [C12]	Extended single-plate shear connections aren't always as simple as they appear, especially in industrial structures where lateral bracing is often limited. This session takes a closer look at the stability considerations behind AISC's design provisions, focusing on rotational restraint and lateral-torsional buckling. Along with a brief review of connection behavior, we'll examine how to apply Appendix 6 checks to evaluate overall bracing adequacy, and explore practical options to address the impact of reduced torsional restraint on both the connection and the beam.	04/24/2026	11:00 am	Connections [C]	Tim Cambron, PE, SE
Fabricator Roundtables: Navigating Trends in Steel Fabrication [F9]	Fabricators rarely have the opportunity to connect with their peers in a non-competitive setting. This networking session brings together fabricators from different regions of the country, assisted by a moderator, to engage in small-group discussions on issues critical to the operation and success of a structural steel fabrication shop. Topics may include strategies for retaining talent, effective training processes, and how new technology—such as AI—can enhance operations. Don't miss this valuable chance to learn, share, and explore opportunities with your peers! (Note: This session is only open to fabricators.)	04/23/2026	9:45 am	Fabrication & Erection [F]	Hope Hrabowy
Fabricators Shop Floor View of Nuclear Inspection [QC16]	This session will address how structural steel fabricators approach the inspection of safety-related structural steel, specifically highlighting the differences and similarities compared to other fabrication work. We will discuss critical questions, such as whether tolerances or welding codes differ, and how material tracking changes in the shop. The primary objective is to dispel the misconception that fabricating and inspecting nuclear work is fundamentally different from other fabrication projects, emphasizing the principle of "verbatim compliant" as the core lesson.	04/22/2026	4:45 pm	QualityCon [QC]	Mark Holland, P.E., Maureen Boyle

Fatigue Assessment of Structures Using FEA and Advanced Methods [N20]	This session examines the differences between the approaches used by the European codes to execute fatigue assessment of fatigue sensitive structures and the relation to what the American codes for structural steel prescribe. The session includes an overview of European codes and American codes, a comparative analysis, a look at the use of finite element analysis, and information on advanced methods (hot spot stress, effective notch stress, and spectral analysis).	04/23/2026	3:00 pm	Design & Analysis/Engineering [N]	Jerod Hoffman, PE, Luiz Macedo, Rafael Macedo
Finding the Why When There's No Time: RCA in a Fast-Paced Steel Shop [QC7]	In the high-pressure world of structural steel fabrication and erection, speed and precision are everything — but when something goes wrong, the clock doesn't stop. Root Cause Analysis (RCA) is essential for preventing recurring issues, yet it often gets sidelined in the rush to meet deadlines. This session explores practical strategies for implementing effective RCA processes that minimize production downtime. Attendees will learn how to quickly identify root causes, involve the right team members, and create a culture of continuous improvement — even in the most fast-paced shop environments.	04/23/2026	11:00 am	QualityCon [QC]	Tanya Fletcher-Scott, Kim Swiss
Five Comparisons To Make With Hybrid Construction [N22]	Construction is always a balancing act when making decisions between differing materials. Material manufacturers are constantly changing their products to gain a strategic edge over their competitors. This often leads designers and specifiers questioning what is best for their project. This presentation is a result of a study comparing typical steel and hybrid construction. The comparison variables are cost, sustainability, fire protection, vibration, and acoustics.	04/24/2026	9:45 am	Design & Analysis/Engineering [N]	Jake Hohmann, PE, Dean Smith, AIA, Dave Bjork
Floors and Roofs 1 [S2]	1. Rajshri Chidambaram Muthu Kumar, "Vibration Performance of an All-Steel Floor System Using Finite Element Modeling Techniques" 2. Firaol Fekadu, "Fastener-based inelastic analysis of steel deck diaphragms using the instantaneous center method" 3. Shihang Wang, "Probabilistic Stability Assessment of Metal Building Roof Corners Under Tornado-Induced Wind Loads"	04/22/2026	11:30 am	SSRC Annual Stability Conference [S]	Rajshri Kumar, EIT, Firaol Fekadu, EIT, Shihang Wang, Rodrigo Goncalves
Floors and Roofs 2 [S7]	1. Hans Lagerquist, "Understanding the Effect of Modelling Methodology on the Numerical Stability Assessment of Open Web Steel Joists" 2. Abdelrhman Ramadan, "Behavior of a Modular Steel Floor System Subjected to Gravity Loading"	04/23/2026	11:00 am	SSRC Annual Stability Conference [S]	Hans Lagerquist, Abdelrhman Ramadan, Dan Linzell
Floorward Thinking: The FastFloor Update! [N23]	Following on the heels of SpeedCore, the industry now has its eyes on the next big advancement in steel construction: FastFloor. This innovative steel floor system is designed to accelerate construction schedules while maintaining strength, stiffness, and efficiency. In this session, we'll look at the latest research, the structural advantages it offers, and - most importantly - what needs to happen prior to engineers, fabricators, and builders start putting FastFloor into practice across real projects.	04/24/2026	9:45 am	Design & Analysis/Engineering [N]	Jerome Hajjar, Ronald Klemencic, SE, PE, Matthew Eatherton
Forge Your Future (Closed Event - High School Students Only)	Forge Your Future is a career exposure event educating local school staff and students about the domestic fabricated steel industry through a half-day conference experience, followed by a local structural steel fabrication facility tour.	04/24/2026	10:30 am	Workforce Development [W]	Jennifer Traut-Todaro

Forward-Looking Trends in Mechanical Fastening and Robotic Welding in Highway Bridges [B14]	This session explores research findings in the following industrial trends 1) the use of fewer, larger diameter rods in double-nut anchor bolt connections for improved fatigue performance in highway structures, and 2) the use of metal-arc collaborative robotic welding and additive manufacturing compared to traditional submerged-arc welding. The anchor bolt study explores ASTM F1554 Gr. 36, 55, and 105 rods up to 4-inches in diameter and utilization of Type 1 ASTM F3394 reaction washers. Second, though the industry often shies away from technologies other than submerged arc welding, the workhorse in bridge fabrication, improved control of the weld zone with robotics can result in improved uniformity of the weldment morphology, reducing localized hardness and potential brittleness in technologies like fluxed core and gas metal arc welding.	04/23/2026	3:00 pm	Bridges [B]	Ryan Slein, Ph.D., Hizb Sajid, Ph.D., Fang Wang, Ph.D.
Foundational AI [T8]	If you’re still trying to chart your course with AI, or even still trying to figure out where to begin, this is the session for you. This session will provide an overview of high level AI concepts, trends and real-world starting points and solutions. This session looks at AI through the lens of the AEC industry with particular focus on steel construction.	04/23/2026	3:00 pm	Technology [T]	Peter Dumont
Frames and Systems [S14]	1. Mohammad Adil Dar, "Interior two-flange loading web crippling tests on CFS built-up I-beams composed of lipped channels" 2. Perry Green, "Frame Stability Implications: When the EOR Specifies HSS Vertical Bracing Slotted End Connections" 3. Zhidong Zhang, "LLM agent framework for structural steel design"	04/24/2026	2:00 pm	SSRC Annual Stability Conference [S]	Craig Quadrato, Perry Green, PhD, PE (SC), Mohammad Adil Dar, Zhidong Zhang
From Concept to Code: Bringing Innovative Structural Systems to Market [I6]	Innovation in structural engineering doesn’t stop at the drawing board—it must survive rigorous evaluation, validation, and real-world adoption. This session walks you through the process of assessing and advancing new systems, from early-stage research and performance testing to navigating code compliance, risk considerations, and industry acceptance. Using a recent asymmetrical beam study as a case example, this presentation will explore how technical data, collaborative partnerships, and targeted communication can accelerate market adoption while ensuring safety and constructability. Attendees will leave with a clear framework for moving promising ideas from “interesting concept” to trusted solution.	04/23/2026	1:45 pm	Innovations [I]	Jerry Brock
From Drawings to Steel Takeoff + 3D Model in Minutes [EW28]	Producing a complete steel takeoff is time-consuming and often requires multiple tools, manual effort, and constant validation. In this session, we’ll walk through how drawing sets can be turned into a complete, accurate takeoff for columns and beams in minutes, along with a fully generated 3D model. You’ll see how this reduces manual work, speeds up estimating, and gives teams a faster path from drawings to production-ready outputs. Exhibitor Workshops are not eligable for PDH credits	04/23/2026	4:15 pm		
From Leadership to Legacy: Preparing for Executive Transitions [Z2]	Executive transitions are inevitable, but the way they are managed determines whether they become disruptive or meaningful. This session will explore how leaders can prepare for the shift from their current executive role into retirement, focusing on both personal purpose and organizational continuity. Attendees will gain practical strategies for leaving a legacy,	04/22/2026	11:30 am	Business [Z]	Derinda Ehrlich

	supporting their successors, and finding fulfillment beyond their current role.				
From Load Paths to Details: Connection Design for Trusses and Long-Span Structures [C8]	Unlock the key challenges and solutions in designing effective connections for trusses and long-span structures. This session explores the critical roles of load paths, practical approaches to connection detailing, and best practices for both direct and delegated design. Attendees will gain essential insights on specifying required information, coordinating across disciplines, and addressing constructability in complex projects.	04/23/2026	1:45 pm	Connections [C]	Swapnil Deshpande, PE, LEED AP
From Strategy to Structure: How Planning Drives Steel Erection Success [F4]	This session explores how detailed preconstruction planning shapes the success—or failure—of steel erection projects, using real-world case studies as the foundation. Through field-based examples, we'll examine the direct impact that early coordination, sequencing, access, and hoisting/rigging strategies have on safety, quality, and productivity in steel erection. Geared primarily toward erectors but relevant to fabricators and general contractors alike, the session will walk through how planning decisions made before fabrication influence field execution, high-risk activities, and ultimately, project outcomes. Lessons learned, both positive and corrective, will highlight practical tools and strategies for improving collaboration and avoiding common pitfalls. Attendees will leave with actionable insights into how to build stronger erection plans and safer, more efficient jobsites.	04/22/2026	3:00 pm	Fabrication & Erection [F]	Kevin Koester
From the Floor Up: Building Talent Through Hands-On Training and Development [W3]	This session provides a practical roadmap for fabricators — and erectors, where applicable—on how to build and implement their own in-house training programs. Whether you're starting from scratch or enhancing an existing approach, you'll learn step-by-step methods to assess skill gaps, design custom training paths, develop coaches from within, establish mentorship frameworks, and measure progress. We'll walk through the nuts and bolts of building a structured, shop-floor-centered program that accelerates coaching, training, on-the-job experience, and knowledge, and preserves institutional knowledge. This is not about what makes a good program—it's about how to create one that works for your team, your projects, and your standards. Ideal for fabrication shop leadership, erectors, trainers, and coaches in the steel industry looking to grow their workforce from within.	04/22/2026	1:45 pm	Workforce Development [W]	Jennifer Traut-Todaro, Adam MacDonald, Cheryl Brant, PHR
Fundamentals and Recent Advances of Stability Bracing [SSRC1]	This short course provides an overview of the stability bracing fundamentals for column and beam bracing as well as recent advances in bracing that are likely to influence design specifications in the near future. The course will begin by discussing basic column and beam bracing formulations that provide the foundation for stability bracing provisions in the AISC Appendix 6 and AASHTO Bridge Design Specifications. The influence of details such as beams continuous over the tops of columns, connection eccentricity, the use of split pipe stiffeners and other critical details are discussed. Recent developments on the combination of beam torsional and lateral bracing are presented. An overview of recent studies related to enhanced design concepts for lean-on bracing are covered.	04/21/2026	1:00 pm	SSRC Annual Stability Conference [S]	Perry Green, PhD, PE (SC), Todd Helwig

Fundamentals of Bolting [CAPS2-4]	This session is only open to registered CAPS participants. This session covers the essential principles of bolting in structural steel applications, tailored for engineers, fabricators, and erectors. Participants will gain an understanding of bolting fundamentals, including bolt types, strength levels, and installation techniques. We will explore the importance of bolt specifications, joint design, and inspection practices to ensure structural integrity and performance. Join us to enhance your knowledge of structural bolting and discover best practices that can help optimize your projects and mitigate risks in the field. [CAPS 2-2]	04/23/2026	11:00 am	CAPS 2	Chad Larson, Mark Trimble
Fundamentals of Welding [CAPS2-5]	This session is only open to registered CAPS participants. The world of welding is deep and wide, but everyone involved with structural steel construction needs to have a baseline understanding of welding and aligned processes. This session will provide this baseline on the fundamentals of welding and thermal cutting of structural steel. [CAPS 2-5]	04/23/2026	3:00 pm	CAPS 2	Duane Miller, Sc.D., NAE, Christian Crosby
Galvanizing Structural Steel: Detailing Matters [D13]	This session will go over why talking about galvanizing early in the project is critical to the success of the project. It will also go over best practices for detailing galvanized steel.	04/22/2026	1:45 pm	Detailing [D]	Riley Bennett
Georgia Tech Structure Lab Tour	Elevate your understanding of structural performance beyond theoretical models by taking an exclusive tour of the Georgia Tech Structures Lab. If you haven’t visited a structures lab since college (or have never visited one at all), this is your opportunity! This facility is not just a testing site; it's a crucible for innovation, featuring large-scale, state-of-the-art testing frames and actuators capable of imposing extreme static and dynamic loads on full-scale structural components and systems. A brand new, large-scale cooperative robotic gantry system is expected to be fully operational by April. Lunch is not included. Closed-toe shoes are required. Georgia Tech is located about 1.5 miles from the convention center. Shuttles will be provided.	04/21/2026	1:00 pm		
Gerdau Mill Tour	Hearing how steel is made is one thing; seeing it for yourself is something completely different! This is a rare and electrifying opportunity to visit one of the nation’s most advanced structural steel mills and tour it. You’ll have the opportunity to observe the entire electric arc furnace (EAF) process, from scrap charge to the finishing stands, culminating in thousands of tons of wide flange and other shapes. You’ll gain insight into the mill’s low-carbon, highly sustainable EAF process, which minimizes environmental impact while producing high-quality structural material. Note: This is an active, industrial environment. Be prepared for high temperatures, required PPE, and significant ambient noise—a true perspective on the scale and energy required to produce thousands of tons of steel daily. Lunch is not included. Closed-toe/closed-heele shoes and long pants are required. The mill is located about an hour from the convention center. Shuttles will be provided.	04/21/2026	12:30 pm		

Giving Steel a New Life: Innovative Steel Reuse at Georgia Tech [G3]	This presentation illuminates the construction of the Thomas A. Fanning Student-Athlete Performance Center, a benchmark project in sustainable design and construction. Discover how the team successfully salvaged 25 tons of steel from the adjacent Bobby Dodd Stadium and integrated the beams into the new facility's frame. This was accomplished at no additional cost to Georgia Tech and without impacting the project schedule. Learn how this innovative approach saved approximately 25,000 kg of carbon emissions, showcasing a successful model for circularity in construction.	04/22/2026	1:45 pm	Sustainability [G]	Kelly Roberts, SE, PE, LEED AP BD+C, Dirk Kestner, PE, LEED AP BD+C, Gordon Smith, AIA
Hacked Off! Getting Serious about Cybersecurity [Z3]	Cybersecurity is the practice of protecting computer systems, networks, and data from digital attacks, damage, or unauthorized access. Email scams, phishing, phony payment requests, and malware attacks are on the rise. Come discover the latest in cybersecurity recommendations to keep your data safe.	04/22/2026	1:45 pm	Business [Z]	Adam Greback
Harnessing AI: A New Era for Structural Engineering [T7]	Artificial Intelligence stands as a pivotal technology reshaping the engineering and construction industry, altering the very fabric of professional workflows. With the exponential growth of AI model capabilities, it is imperative for the AEC industry to not only adapt but also strategically align this technology for enhanced productivity and sustainability. This presentation outlines the latest work conducted by Thornton Tomasetti's CORE Studio R&D team, focusing on the development of bespoke AI-driven tools, particularly in structural steel design. The session will highlight how CORE.AI models are refactoring engineering processes, enabling reduced embodied carbon footprints in design and facilitating rapid prototyping and optioneering. In this presentation, we share insights into Thornton Tomasetti's journey in building responsible AI for the AEC industry, reflecting on our experiences and lessons learned."Artificial Intelligence is a transformative technology fundamentally reshaping the engineering and construction (AEC) sector and professional workflows. Given the rapid advancements in AI model capabilities, the AEC industry must strategically adopt and align with this technology to significantly boost productivity and sustainability. This presentation will detail the recent work from Thornton Tomasetti's CORE Studio R&D team, specifically focusing on the development of specialized AI-driven tools for structural steel design. We will demonstrate how our CORE.AI models are optimizing engineering processes, leading to reduced embodied carbon footprints, and facilitating rapid prototyping and optioneering. The session will conclude with insights into Thornton Tomasetti's journey in creating responsible AI for the AEC industry, sharing valuable experiences and lessons learned.	04/23/2026	1:45 pm	Technology [T]	Robert Otani
High-Strength Steel: Pros, Cons, and When It Should Be Used [N24]	This session will discuss common applications for high-strength steel and describe the pros, cons, and relative costs and availablity of A913 and other Gr. 65 steel. It will also discuss even higher strength steels and their associated pros, cons, and applications. Attendees will learn about limitations and special considerations, common applications, and the availability and relative cost of high-strength steel.	04/22/2026	10:15 am	Design & Analysis/Engineering [N]	Robert Chmielowski, PE, SE, Steve Rys, PE

High-Volume Bolting Operations: A Case Study from the Black Hawk Bridge Project [QC20]	Dive deep into the complexities of bolting operations at the Black Hawk Bridge over the Mississippi River in Lansing, Iowa. This session will provide an in-depth look at the installation of over 140,000 bolts, sharing valuable experiences. We'll discuss the project's unique challenges, our approach to inspection and testing, and the critical insights gained throughout this massive undertaking. Join us to learn firsthand about successful strategies for high-volume, high-stakes bolting projects in structural steel.	04/23/2026	3:00 pm	QualityCon [QC]	Tom Ringelstetter, PE, CWI, Garrett McCann, James Hauber P.E
Historical Structural Metals: You Don't Know What You Don't Know [N25]	Structural engineers often make critical errors by assuming that historical ferrous metals—such as cast iron, wrought iron, or early structural steel—behave like modern structural steel. This session introduces the fundamental properties of these historical materials and explains why such assumptions lead to flawed designs. Drawing on experience correcting these mistakes, the presenters emphasize the importance of recognizing the distinct behavior of historical metals and avoiding modern analogies. While not exhaustive, this session offers essential insights to help engineers approach these projects with informed caution.	04/22/2026	11:30 am	Design & Analysis/Engineering [N]	Conrad Paulson, SE, PE, Christine Freisinger, SE, PE
Hot Topics in Buckling Restrained Brace Frame Design [N26]	This session will cover the latest news and information for buckling restrained brace frame design and the industry. We will delve into recent research topics as well as the latest industry trends.	04/22/2026	1:45 pm	Design & Analysis/Engineering [N]	Kimberley Robinson
How AI Is Transforming Thermal Spray Automation for Large Steel Structures [EW24]	This workshop—hosted by Thermal Spray Depot and Clemco Industries—will explore how robotics, advanced motion programming, and emerging AI-based tools are reshaping what is possible in large-structure metallizing. The session will emphasize practical, field-driven discussion with fabricators, painters, inspectors, and project leaders. Exhibitor Workshops do not offer PDH credits	04/24/2026	9:45 am		
How Architecturally Exposed Structural Steel Transformed Houston's Terminal B [A2]	Houston's George Bush International Airport Terminal B, one of the oldest at the airport, is undergoing a massive renovation to both modernize its operations and its appearance. Critical to the project's success was the architect's decision to create a modern aesthetic with vast column-free space--and create a sleek, functional interior featuring architecturally exposed structural steel (AESS). This session will explore why steel was chosen and explore the team's collaborative process for design and detailing, which included feedback from contractors and fabricators to accommodate the very aggressive schedule.	04/22/2026	11:30 am	Architecture [A]	Shruti Sharma, PE, Oliver Ness
How Can an Association Bring Value to Your Business? [F6]	AISC, SEAA, and IMPACT explain the value they bring to their members. Included will be a discussion of pricing and membership requirements, benefits, and how fabricators and erectors can best take advantage of these opportunities.	04/23/2026	9:45 am	Fabrication & Erection [F]	Harvey C. Swift, Todd Alwood, Carly Hurd, Pete Gum
How Fabricators Level	Join an experienced steel fabricator for a 60-minute discussion on the strategic decisions and real-world processes involved in evaluating and implementing a new technology stack to address modern industry challenges. The presentation will explore the necessity of adopting advanced, AI-powered estimating software for faster, data-driven bids, and the criteria for selecting modern fabrication management software to		3:00	Fabrication &	

Up Their Tech Stack [T9]	optimize operations from procurement through shop floor tracking. You will hear an internal perspective on the cultural and procedural changes required for a successful technology rollout, including best practices for training teams and adjusting legacy workflows. Attendees will gain a practical understanding of the due diligence, pilot program execution, and Return on Investment (ROI) analysis that inform a fabricator's essential technology selections.	04/22/2026	3:00 pm	Fabrication & Erection [F]	Stephanie Green
How Fast Can You Deliver? [N27]	This session, aimed at architects, engineers, and fabricators, walks through an accelerated design and delivery process. Information flow and timing of early packages in combination with timing of steel orders and fabrication is discussed, along with what is needed in each package to deliver the structure on time.	04/22/2026	3:00 pm	Design & Analysis/Engineering [N]	Dimple Ji, Don Ledford
How to Be an Effective Engineering Expert Witness [L5]	This session covers the distinct role of engineering experts, focusing on how to establish and maintain credibility. It will explore the types and admissibility of expert engineering opinions, the qualifications needed to testify as an expert, and the various formats and forums in which these opinions can be expressed. Additionally, the session will provide guidelines for testifying and examining opposing experts. The content will be enhanced with illustrations and video examples from trials and depositions.	04/22/2026	4:45 pm	Legal [L]	Lawrence Kruth, PE, Robert Kaler
How to Develop, Implement, Manage, and Measure a Successful Safety Culture in Your Organization [Y9]	A strong safety culture is the foundation of successful project execution. This session provides steel organizations with the practical tools to assess their current safety culture maturity and clearly understand where they stand. Learn how to translate assessment results into a strategic action plan for immediate and long-term improvement. We will detail the keys to developing, implementing, managing, and measuring the performance of your safety culture to drive continuous improvement and reduce incidents in both the shop and the field.	04/23/2026	3:00 pm	SafetyCon [Y]	Philip Greisen, CIT, CHST
HSS Applications in Clean Design [N56]	Life science, food and beverage, and other similar facilities require special consideration in the built environment to promote compliance with a variety of regulatory agencies and Current Good Manufacturing Practices (CGMP). HSS framing is regularly used in these applications to promote the end goal of keeping products safe from contamination. This session will address some of the unique design and detailing challenges associated with "clean" spaces and the implications for the use HSS members, including: Economical design for long spans and substantial loads Cleanability, durability, and material finish Practical (and impractical) connection detailing	04/22/2026	4:45 pm	Design & Analysis/Engineering [N]	Holly Schaubert, Brad Fletcher, S.E., Dylan Smith, Dennis Collins
HSS Connection Design Software Tools and Techniques [C9]	Providing proper connection design is critical not only to a structure's overall performance, but also to its cost-effective construction. With several limit states to consider, the use of software can greatly assist in designing HSS connections efficiently. This updated presentation provides an overview of commercially available software for performing HSS connection design for both the delegated steel connection engineer as well as EORs who need to confirm wall thickness is adequate for their delegated steel connections.	04/23/2026	3:00 pm	Connections [C]	Beth Suminski, PE, SE

Hybrid Mass Timber/Steel at El Paso Water [A4]	The new El Paso Water (EPW) Utilities Headquarters is designed to reimagine and push the boundaries of a traditional water utilities headquarters. Designed by Lake|Flato, the 79,000-sq.-ft building features a hybrid mass timber and steel system, which met the owner's program, achieved the desired lease spans, and resisted the required seismic loads--all while substantially reducing the embodied carbon as compared to other buildings of its size and type. This session will explore the design process and delve into the cost and schedule benefits of this system.	04/22/2026	3:00 pm	Architecture [A]	John Hand, PE, SE, LEED AP, James Thoreen, LEED AP BD+C, Elias Padilla, AIA
Hybrid Post-Tensioned Concrete and Steel BRBF Parking Garage [N28]	This session will summarize the development of the new South Campus Parking Structure at Utah State University. This project utilized a system of two-way, post-tensioned concrete slabs supported by structural steel columns and braced laterally by buckling restrained braced frames. The use of structural steel for this project enabled many benefits. Structural steel was initially selected because of the benefits it afforded with a very tight construction schedule. Structural steel enabled other benefits including a major reduction of seismic forces owing to improved flexibility and ductility. Use of structural steel also enabled greater latitude in layout of the lateral force resisting system, improved occupant visibility, improvements in staging on a highly confined site, and improvements in expected resiliency. The presentation will address the development of the steel framing for the system overall along with strategies for overcoming the challenges in enabling the steel framework to work effectively in concert with the post-tensioned concrete.	04/23/2026	3:00 pm	Design & Analysis/Engineering [N]	Jerod Johnson, PhD, SE
Impedance to Productivity: Identifying and Overcoming Barriers in Structural Steel Operations [QC12]	Maximizing productivity in the structural steel fabrication shop is crucial for maintaining profitability, meeting tight deadlines, and staying competitive in today’s market. Yet even the best-run shops face hidden obstacles—inefficient workflows, communication breakdowns, and material handling issues—that can quietly erode performance. This will focus on the most common sources of impedance to productivity within fabrication operations.	04/24/2026	11:00 am	QualityCon [QC]	Christian Crosby, Art Bustos
Improving the RFI Approval Process [F7]	Whether in the bid phase or the fabrication and construction phase, Requests For Information (RFIs) are a key part of the process. This session wil be focused on tips and examples of how to develop RFIs that are approved more quickly to get the answers needed to move forward on your next project.	04/23/2026	11:00 am	Fabrication & Erection [F]	Tim Bradshaw, PE
Innovation for Your Bright Future [Z4]	Innovation is the most overused and least-defined term in business today. We all know that businesses are risk-averse and hesitate to change or embrace new products and processes. All of us have experienced an innovation that underdelivered expected value. Each business, large and small, has unique cultures, expertise, and client bases. Successful innovation can look different for each business. This presentation discusses the value and need for innovation, how to innovate effectively, how to minimize risk, and how to implement your innovation.	04/22/2026	3:00 pm	Business [Z]	Bruce Brothersen, John Hoffman

Insulated Metal Wall Panels [N29]	Insulated metal wall panels are becoming a go-to option for many types of construction. From architectural finishes that need to go beyond some of the more prevalent utilitarian look, to cold storage facilities and beyond. Additionally, more construction that is temperature-sensitive is being built in hot-weather climates where insulated panels can be very valuable.	04/23/2026	9:45 am	Design & Analysis/Engineering [N]	Kevin Franz, AIA, LEED AP BD+C, CSI, CDT, Thayer Long, Dennis Montgomery
Intro to AMPLIFY Digital Platform for ASCE Standards, Hazard Tool, and Eaves [EW5]	Join us for an exciting introduction to AMPLIFY, ASCE's powerful new digital platform for standards. This live demonstration will highlight AMPLIFY's interactive features—like side-by-side viewing of provisions and commentary, and real-time updates for errata and supplements. You'll also explore the ASCE Hazard Tool, which delivers robust hazard data for ASCE 7 and 41, and see how its API can integrate seamlessly into your workflow. Plus, meet Eaves, our AI assistant, trained on trusted AMPLIFY technical content to support the civil engineering community. Exhibitor Workshops do not offer PDHs	04/22/2026	1:45 pm		
Introduction to Career Accelerator Program for Steel (CAPS) [CAPS1-1]	This session is only open to registered CAPS participants. This session will serve as an introduction to AISC's Career Accelerator Program for Steel (CAPS). CAPS participants will be exposed to various topics critical to a career in the structural steel industry, ranging from basic management principles to crucial understanding of AISC technical documents. This session will offer an overview of these topics and feature reflections on a career in the steel industry from an award-winning speaker at NASCC. [CAPS 1-1]	04/22/2026	10:15 am	CAPS 1	Mark Holland, P.E., Christian Crosby
Inventory Chaos or Control? How Fabricators Can Finally Get It Right [Z8a]	Accurate inventory management is critical for effective purchasing, reliable project costing, and efficient shop operations, yet many fabricators struggle to maintain it. This session will examine the spectrum of practices seen across the industry and highlight the key processes that separate shops with dependable inventory from those in constant confusion. Attendees will learn practical steps they can implement to establish and sustain an accurate, trustworthy inventory system.	04/23/2026	1:45 pm	Business [Z]	Ricky Horton
Inventory Chaos or Control? How Fabricators Can Finally Get It Right [Z8b]	Accurate inventory management is critical for effective purchasing, reliable project costing, and efficient shop operations, yet many fabricators struggle to maintain it. This session will examine the spectrum of practices seen across the industry and highlight the key processes that separate shops with dependable inventory from those in constant confusion. Attendees will learn practical steps they can implement to establish and sustain an accurate, trustworthy inventory system.	04/24/2026	12:45 pm	Business [Z]	Ricky Horton
Ironworkers Training Facility Experience	Have you ever welded a connection or climbed a column? During this exclusive visit to a working training center, you'll tour a variety of different training stations that will allow you to experience what an ironworker does on a daily basis on a jobsite, such as virtual welding, torch cutting, bolting, beam rigging, column climbing, and more! Lunch is included. Closed-toe shoes are mandatory for all participants. Additionally, work boots are required for those engaging in hot work activities (such as torch cutting). The facility is about 20 minutes from the convention center. Shuttles will be provided.	04/21/2026	12:00 pm		

Joists In Erection Engineering: Professor vs Practitioner [N30]	Historically, there has been friction between erection engineers and joist manufacturers. Two former colleagues, one a vice president of a leading design firm and the other now an academic and consultant to the Steel Joist Institute, will discuss, argue, and hopefully reach some common ground in this engaging discussion about issues that once seemed unresolvable. Attendees will come away with solid, practical solutions to tough problems that will help improve projects and reduce disputes.	04/24/2026	9:45 am	Design & Analysis/Engineering [N]	Mark Denavit, Will Jacobs, Sam Fares, SE,PE, P.Eng.
Ky: A Friendly Parametric Design Language for Structural Engineers (and AI Agents) [EW25]	Introducing Ky, an open-source, domain-specific programming language and solver engine for parametric structural design. Ky is made for practicing structural engineers, even without a programming background. In Ky, beams, loads, supports, units, and code checks are first-class constructs—so design tasks stay concise, readable, and reusable. Define a portal frame once, reuse it across projects, change the parameters, and re-run! Ask your AI agent to translate your structure from a spreadsheet or any other legacy format into Ky! Most AISC Design Examples can be represented with about 5 lines of intuitive code you can copy-and-paste. Our interactive graphical editor can generate code to get you started! Example: ``` # Design Example F 11.2 L4X4X1/4 A992 6ft 0.05kip/ft -> live 0.15kip/ft -> dead pin @ 0ft, 6ft ``` Because Ky is text, your designs are versionable, reviewable, and reproducible—and naturally compatible with AI assistants that can help draft, explain, and iterate from the same shared source of truth. In an industry dominated by spreadsheets and fragmented, expensive, closed-source legacy software, Ky offers an open, modern alternative. In this workshop, we will demonstrate Ky and how it integrates in AI workflows using examples from the Steel Construction Manual and Design Guides. We will show how text-based workflows improve documentation, repeatability, and collaboration in steel design. Exhibitor Workshops are not eligible for PDHs	04/24/2026	11:00 am		
Lead with Purpose: Mentorship That Moves Teams Forward [Z5]	In today’s dynamic workplace, effective leadership and mentorship are critical to building resilient, high-performing teams. This presentation explores how leaders can foster a culture of growth, trust, curiosity, and accountability by embracing mentorship as a strategic tool. Attendees will learn best practices for cultivating meaningful mentor-mentee relationships, promoting psychological safety, and developing leadership behaviors that inspire and empower others. Whether you're leading a team or mentoring emerging talent, this session offers actionable insights to elevate your impact and drive long-term success.	04/23/2026	9:45 am	Business [Z]	Ryan Curtis, PE
Leaning into Integrated Delivery: A Faster Way to Deliver Steel Structures [I3]	Can you effectively and economically deliver a fully-connected model and shop drawings as part of a structural engineer's design services? This session will share one successful philosophy for the delivery of integrated design/detailing services, including a related project case study, to show how this type of project delivery can be greatly beneficial for all team members.	04/22/2026	1:45 pm	Innovations [I]	Todd Lackey

Let's Design Lean-on Bracing and Global System Buckling Restraint [B15]	Cross-frames and transverse bracing systems have long been a standard in steel I-girder vehicular bridges to ensure lateral and torsional stability during construction. However, these bracing elements also contribute substantially to fabrication weight, erection time, and cost. The concept of lean-on bracing offers a streamlined alternative: by selectively reducing the number or complexity of full cross-frames and augmenting them with top and bottom struts—or leaning support members—the overall steel weight and erection effort can be significantly reduced. In this technical session, the TxDOT will outline the impetus for this research-to-implementation path: how TxDOT and UT-Austin teamed to evaluate lean-on bracing systems for routine steel vehicular bridges, culminating in new design guidance (e.g., the TxDOT Lean-on Bracing Design Guidance document). Additionally, work completed at UT-Austin related to global system buckling restraint, and the various methods to achieve this restraint, will be presented in the form of design examples for use by practicing bridge engineers.	04/23/2026	4:15 pm	Bridges [B]	David Fish, Aidan Bjelland, Geoff Swett, PE, SE
Let's Get Things Straight: Dealing with Kinked Connections [C17]	Kinked connections—connections that do not have a direct load path—can cause major headaches on a project. This session will define what kinked connections are and explore how to prevent them through clear design communication and responsibility alignment. Attendees will review the Engineer of Record's role, the three AISC Code of Standard Practice connection design options, and the distinction between member and connection design. The session also covers concept connection details, best practices during design, and real-world examples to help engineers recognize and resolve kinked connection issues before they impact the project.	04/22/2026	3:00 pm	Connections [C]	Cliff Schwinger, PE, Todd Campbell, PE
Leverage NSBA's Standard Plans for Steel Bridges to your Benefit [B10]	NSBA recently released the AISC/NSBA Standard Plans for Steel Bridges. Part one of this session will review the plans, how they came to be, and the underlying design assumptions. Part two will focus on how you, the practicing engineer, the owner, the fabricator, the contractor, can leverage the plans to your advantage. It might be a deck thickness change, help with a value engineering exercise, or using them as-is. Come learn about the versatility of the Standard Plans for Steel Bridges accross all facets of the steel bridge industry.	04/23/2026	4:15 pm	Bridges [B]	Francesco Russo
Lightweight Steel Architecture: Integrated Structural Design for Space Frames, Cable Nets	This session introduces architects and engineers to the principles and practice of lightweight structural systems through the lens of integrated design. Based on his forthcoming book Structural Design of Lightweight Architecture, Joshua Schultz, PhD, PE, LEED AP (Gonzaga University) draws from decades of combined academic and professional experience to illustrate how structural and architectural objectives can—and must—develop in unison. Attendees will explore real-world design strategies and technical details for space frames, cable nets, and grid shells, with a focus on steel structures that embody efficiency, economy, and expressive form. The session discusses how modern lightweight systems balance global load paths with detailed fabrication constraints, and how early, interdisciplinary collaboration leads to more sustainable and coherent works	04/24/2026	11:00 am	Design & Analysis/Engineering [N]	Joshua Schultz

Frames, Cable Nets, and Grid Shells [N31]	of structural art. Relevant provisions from AISC 360, ASCE 7, and ASCE 19 will be referenced throughout, along with case studies involving AESS applications, tensioned membranes, and structural glass. While advanced tools such as FEA software (Abaqus, RFEM) are noted, the emphasis remains on design integration and workflow coordination, not simulation alone. This session is intended for practicing architects and early-career engineers who seek to bridge disciplinary divides and elevate their approach to the design and delivery of elegant, efficient, and buildable lightweight steel structures.				
Magna Earthquake Aftermath: Pre-Earthquake and Post-Earthquake Retrofitting with Structural Steel [E3]	The Magna Earthquake of March 18, 2020, near Salt Lake City was an event with a magnitude of 5.7. While only a fraction of the energy and shaking intensity of the anticipated 'design-level' event, it shed light on many seismic vulnerabilities of the region. Many structures had been seismically retrofitted with structural steel prior to the event while many others have been retrofitted in its aftermath. This session will highlight structures that were reinforced with structural steel prior to March 18 with summaries on their observed performance overall for the event. Other structures have been retrofitted since the earthquake, many with structural steel. A summary of strategies for retrofit in the Post-Magna era will be presented including a summary of the codes, methods, and strategies relevant to retrofit design with structural steel.	04/23/2026	1:45 pm	Seismic [E]	Jerod Johnson, PhD, SE
MAJR Award Presentation [SS7]	2025 SSRC MAJR Award Winner Andre Martins will give a special presentation: Modeling and Analysis Joined by Reliability (MAJR): Early Career Shaped by Structural Stability This presentation summarizes the most relevant contributions made by the award recipient in the field of Structural Stability, with particular emphasis in cold-formed steel (CFS), and Glass Fiber-Reinforced Polymer (GFRP) composites. For CFS, it will address (i) local (L), distortional (D), and global (G) buckling phenomena and coupled buckling phenomena (L-D and D-G interaction) in open-section columns and beams, investigated both numerically and experimentally, and (ii) the stability of regular polygonal tubes under compression and bending. For GFRP composites, emphasis will be given to structural reliability-based code calibration procedures for determining partial safety factors associated with ultimate limit states (ULS) that supported the development of the new Eurocode for composite materials, including crushing, local buckling and web-crippling in profiles, as well as shear-out and bearing failures in bolted connections.	04/21/2026	6:30 pm	SSRC Annual Stability Conference [S]	Kara Peterman, Ph.D., Andre Martins
Master Steel Element and Connection Design [EW1]	This workshop equips structural engineers with essential skills for designing steel structures and connections using VisualAnalysis and VAConnect. Whether you're new to these tools or looking to enhance your expertise, you'll gain valuable insights and hands-on experience. Discover the versatility of VisualAnalysis, a trusted finite element analysis and design tool used for over 30 years. Learn to model, analyze, and optimize steel structures in compliance with American and Canadian standards. Explore VAConnect, a streamlined solution for steel and wood connection design,	04/22/2026	10:15 am		

	which works both independently and seamlessly with VisualAnalysis. By the end of the workshop, you'll have the tools and confidence to tackle real-world design challenges effectively. Exhibitor Workshops are not eligible for PDHs				
Meeting the Moment: Collaboration, Innovation, and Design-Assist in the Atrium Health Carolinas Medical Center in Charlotte, N.C. [CS9]	The design-assist process allowed this team to bring foward innovative steel solutions that saved 20% in steel erection time and 2 lbs per sq. ft in steel material. The collaboration between design and construction communities was essential to bring the best solutions to the Atrium Health Carolinas Medical Center in Charlotte, N.C.	04/23/2026	3:00 pm	Case Study [CS]	Brent Bandy, SE, PE, Cory Byrd, SE, PE, Jonathan Mertz, Paul Rutherford, Matthew Brady, PE
Mentorship and Workforce Development: Working in Unison [W4]	Skilled workers are the backbone of a successful fabrication shop, but without effective mentorship, vital knowledge and best practices can be lost. This session explores how shop leads, supervisors, and veteran fabricators can become impactful mentors to newer team members. Attendees will learn practical strategies for on-the-job teaching, including how to break down complex tasks, build trust, and model the problem-solving mindset required in structural steel fabrication. The session will also address generational learning styles, communication approaches, and how mentorship supports quality, safety, and retention.	04/22/2026	3:00 pm	Workforce Development [W]	Jennifer Traut-Todaro, Matthew Lavoie
Mercedes-Benz Stadium: A Fabricator's Story [CS1]	Join the fabricator behind Atlanta's Mercedes-Benz Stadium for an electrifying session on its design and construction. Discover the challenges and triumphs of detailing, fabricating, and building the iconic retractable roof. Learn the innovative techniques that brought this architectural marvel to life and hear first-hand the lessons learned along the way.	04/22/2026	10:15 am	Case Study [CS]	Serge Dussault, Pooya Roohi, Stephen Blumenbaum, Michael Holleran
Mergers, Acquisitions, and the Aftermath: Integrating Safety, Quality, and Production Without Losing Balance [Y10]	With so many mergers and acquisitions in our industry today, this session seeks to educate business owners and senior management in the best methods of mergers integration and change management critical to ensure the value of the company and its performance aligns with your business goals.	04/22/2026	4:45 pm	SafetyCon [Y]	Derinda Ehrlich
Methods and Mindsets: Live Podcast with Evelyn Lee [A6]	Architecture is evolving faster than ever. New materials, new technologies, and new expectations for sustainability and inclusion are reshaping how firms lead and deliver. In this live recording of "Practice Disrupted," host Evelyn Lee, FAIA, sits down with two architects representing different lenses of leadership: one championing culture and equity, and one bringing decades of built experience to the table. Together, they'll explore how practice leaders can align methods from design workflows to construction strategies with the mindsets needed to guide their teams through transformation. Expect candid conversation, practical insights, and real stories about navigating change while staying grounded in craft and purpose.	04/23/2026	9:45 am	Architecture [A]	Evelyn Lee, FAIA, Emily Schickner, AIA, Shelby Morris, AIA

Miscellaneous Steel Design: What detailers need to know [D5]	This session offers a discussion of design considerations for miscellaneous steel engineering, focusing on stairs, railings, and ladders. Attendees will learn about design considerations and potential pitfalls.	04/23/2026	3:00 pm	Detailing [D]	Tyler Sease, PE, SE
Modern Manufacturing of Structural Steel Shapes and its Impact on Design [CAPS1-3]	This session is only open to registered CAPS participants. This session will present the basic overview of modern steelmaking processes involved for the production of structural steel shapes that are commonly used in structural steel framing. Attendees will also learn the difference between mill orders and service center orders and gain an understanding of mill rolling schedules. [CAPS 1-4]	04/22/2026	3:00 pm	CAPS 1	Kim Olson, P.E., Mark Trimble
Modernizing Fabrication with Handheld Lasers: Implementation and Safety Essentials [T6]	Handheld laser welding is rapidly reshaping metal fabrication by offering faster production speeds, cleaner seams, and increased flexibility compared to traditional welding processes. With power levels commonly reaching 1 to 2 kW, these Class 4 laser systems also introduce significant hazards that require disciplined safety management. This session provides a practical, standards-driven framework (drawing from ANSI, LIA, and AWS guidance) for safely deploying handheld laser welding in steel fabrication environments. Attendees will learn the core elements of a compliant safety program, including hazard controls, training, PPE, and laser-controlled area (LCA) design. The session concludes with actionable best practices to maximize productivity while maintaining worker protection.	04/23/2026	11:00 am	Technology [T]	Chris Agosti
Most Useful Design Aids from the 16th Edition Steel Construction Manual [N32]	For almost 100 years, the Steel Construction Manual has provided aids for efficient design of structural steel buildings. The Manual is as important to your design of steel structures as your mouse, your keyboard, or your computer. This session will provide a quick overview of the Manual and then concentrate on some of the most useful tables. It will also highlight tables that may not be as well-known but that can become your go-to tables. Come and learn what's inside the Manual and how you can use it to be more productive, profitable, and comfortable with the accuracy and effectiveness of your designs.	04/22/2026	4:45 pm	Design & Analysis/Engineering [N]	Lou Geschwindner, Ph.D., PE
Move it On Over: Modular Construction at DFW [A8]	Dallas Fort Worth International Airport (DFW) has reached a major milestone in its ongoing $3 billion plan to overhaul and expand Terminals A and C, successfully moving 13 megastructure modules across the airfield and into place at the site of the expansion, which will welcome 19 new gates in 2026. This presentation will discuss the design and coordination required to move a total of six massive modules – the largest measuring 204 ft long by 68 ft wide and weighing approximately 1,200 tons – across two closed runways overnight using self-propelled modular transporters. Design and construction for the first phase and expansion of the Terminal C project, as well as the expansion of Terminal A, is being managed by HNTB, KAI, and ADPI. The design-build project’s contractor joint venture includes Austin Commercial, Azteca Enterprises, and Alpha & Omega, with HOK and Muller & Muller, Ltd. serving as design team members.	04/22/2026	3:00 pm	Architecture [A]	Richard Saunders, Jonathan Colebrook, Justin Jennings

Multiplying Your QMS [QC11]	In an ever-changing construction environment, many companies are adding certifications, locations, equipment, and resources to gain a competitive advantage, meet the increasing demands of customers, and try to become more efficient and decrease costs. This session will explore best practices in the Quality Management System to handle these demands, integrate multiple certifications, and delve into some “old” but reliable methods for chasing the carrot.	04/24/2026	9:45 am	QualityCon [QC]	Larry Martof, Maureen Boyle
Multi-Tiered Buckling-Restrained Braced Frames: What's the Deal? [N33]	Multi-tiered braced frames have been included in the AISC 341 Seismic Provisions since 2016 for OCBF, SCBF, and BRBF. Amongst these systems, the MT-BRBF has become a popular choice due to its ability to be configured in ways that minimize the demands on the system and the resulting economy they provide. The session will discuss methods for effectively designing MT-BRBF, advantages and disadvantages of various framing configurations, effectively specifying the BRBs to capture the requirements of MT-BRBF, and research confirming the adequacy (and conservativism) of the AISC 341 provisions. An example design will be provided.	04/22/2026	10:15 am	Design & Analysis/Engineering [N]	Brandt Saxey, SE, LEED AP
Navigating the Gauntlet: Erector Strategies for Compressed Schedules and Delays [QC8]	This session will delve into the critical challenges faced by structural steel erectors, including the constant pressure of compressed schedules and the inevitable disruptions caused by project delays. Attendees will explore practical strategies and best practices for effectively managing these common hurdles, ensuring projects stay on track and within budget. We'll cover proactive planning techniques, communication protocols for mitigating delays, and innovative approaches to optimize erection sequences. A fabricator will also provide their unique perspective on these challenges and collaborative solutions. Learn how to empower your teams, leverage technology, and maintain quality while navigating the demanding landscape of modern construction timelines.	04/23/2026	1:45 pm	QualityCon [QC]	Josh Collins, PMP, CWI, Mark Yerke, Daniel Christensen, Dennis Haught
Navigating the Legal Landscape: Understanding Lawsuit Processes and Timelines in Safety, Quality, and Workers' Compensation [Y4]	When a claim or incident escalates, your firm must be prepared for litigation. This session demystifies the legal process for structural steel fabricators and erectors, covering what to expect during a lawsuit related to safety incidents, quality failures, or workers' compensation claims. We will outline the typical legal timelines, from discovery and depositions to mediation and trial. Learn practical strategies for managing documentation, working effectively with legal counsel, and minimizing disruption to your business when facing litigation.	04/22/2026	3:00 pm	SafetyCon [Y]	Frank Kollman
New Guidelines on Delivering the Connected Model [T2]	This session presents a comprehensive review of the new Connected Model guidelines developed by AISC. Connected Models are a relatively new project delivery type with great upside when executed correctly, but they are also equally risky if not carefully planned and executed. This session will feature speakers who have applied their real-world experience with connected models to help craft new guidelines, lessons learned, and best practices.	04/22/2026	11:30 am	Technology [T]	Darren Hartman, Luke Faulkner, Andrew Gayer, PE, SE, LEED AP, Dave Wright, Brent Hungerford, P.E.

New Research: SpeedCore with Bolted Splices [I7]	The Composite Steel Plate Walls/Concrete-Filled (C-PSW/CFs) structural system, also known as “SpeedCore” is becoming an attractive option for the lateral force resisting system of buildings, due to its many positive features, but largely on account of its rapid speed of construction. This translates into substantial savings, particularly when used in buildings having a core-wall system. This has been demonstrated in recent projects built in California and Washington State. However, in many parts of the country, field-bolting is preferred. This session will provide information on the Speedcore system, on experimentally validated bolted splice details that can be used where established construction practice relies on field bolting, and example projects where Speedcore with bolted splices has been used.	04/24/2026	11:00 am	Innovations [I]	Michel Bruneau, PhD, P.Eng., Ronald Klemencic, SE, PE
New steel EPDs, new steel LCAs, new steel PCRs - oh my! [G2]	The steel industry has published a new Product Category Rule for Steel Construction Products and AISC has developed and published new LCAs and EPDs for strucural steel products. This session will provide an overview of the reporting requirements in the new PCR and how those requirements are reflected in the new LCAs and EPDs.	04/22/2026	3:00 pm	Sustainability [G]	John Cross, PE, Brandie Sebastian, LCACP
Next-Generation Steel Tracking: What Today’s Fabricators Are Achieving with SteelCoded [EW15]	Traditional tools like clipboards, spreadsheets, and tribal knowledge don’t scale when schedules compress and multiple teams depend on the same information. Even modern systems struggle when the final layer of shop and yard visibility is missing. SteelCoded was built for this shift. The platform addresses a common challenge: the gap between the data fabricators believe they have and the visibility they actually need. Explore how next-generation tracking and inventory intelligence is helping fabricators run better shops, manage logistics more effectively, and communicate clearly across teams. You’ll hear directly from SteelFab, Cooper Steel, King Steel, and McWhirter Steel about where they gained efficiency, how workflows improved, and why they view SteelCoded as a strategic advantage. Through tight integration with Tekla PowerFab, SteelCoded captures piece movements, inspections, and load-outs in real time. QR-based scanning improves accuracy, mobile workflows drive adoption, and live reporting ensures supervisors, project managers, and field teams work from a single source of truth. The result is a more predictable production environment where bottlenecks surface earlier and material is consistently where it should be. Customers commonly highlight several outcomes after implementation: • Measurable efficiency. Teams can see where time is lost and resolve issues proactively instead of reacting later. • Stronger coordination. Production, yard, trucking, and field operations align around shared progress data, improving sequencing and load-out performance. • Simplified QC and documentation. Inspection workflows reduce rework and support AISC compliance without adding administrative burden. • True integration. Built around PowerFab, SteelCoded eliminates double entry and manual syncing. Exhibitor Workshops do not offer PDH credits	04/23/2026	11:00 am		

NISD IDC Updates and Continuing Education [D12]	National Institute of Steel Detailing Individual Detailer Certification (NISD IDC) certified detailers are preferred in the industry because the certification demonstrates a commitment to quality, efficiency, and adherence to industry-wide standards. This translates directly to fewer project problems and cost savings for employers. Verified Knowledge and Skill: The IDC program is a comprehensive, 15-category knowledge-based test that verifies a detailer's working education and experience. The rigorous testing process and experience requirements (minimum 5-10 years, depending on the class) ensure a high level of competency. Adherence to Best Practices: NISD certified detailers are trained to follow the rigorous procedures and professional business practices promoted by the NISD, which results in complete, accurate, and fabrication-ready shop drawings. This minimizes the need for extensive revisions, questions, and refabrication, saving time and money for fabricators and erectors. Reduced Project Errors and Delays: By applying the correct industry codes and standards (such as AISC, IBC, and RCSC specifications), certified detailers proactively eliminate potential issues, including safety hazards and field fit-up problems, early in the project lifecycle. Presenter: This topic will be presented by Jim Truitt, who is a director for the National Institute of Steel Detailing (NISD) and the committee chairperson of the NISD IDC testing program.	04/23/2026	9:45 am	Detailing [D]	Jim Truitt, NISD IDC Class I certified detailer
Off-Center But On Point: Eccentric Uses for BRBs [N34]	While Buckling Restrained Braced Frames (BRBFs) are an effective and economical lateral-force resisting system, they can sometimes lack the architectural flexibility desired for corridors, windows, and other elements in a structure. Arranging the Buckling Restrained Braces (BRBs) in an eccentric configuration can often provide this flexibility. The AISC Seismic Provisions allow for eccentricities up to a beam depth as long as the BRB remains the primary source of inelastic deformations and that the members are designed for the forces resulting from the eccentricity. This session will discuss the design procedure for BRBF arranged with eccentric brace orientations and will give case studies on the effect on steel tonnage when doing so. It will also consider the effects of eccentricities beyond the current limits in the Provisions and will present some unexpected benefits of these configurations.	04/23/2026	11:00 am	Design & Analysis/Engineering [N]	Chao-Hsien Li, Ph.D., P.E., Paul Richards, PhD
Personal Leadership and Career Development [CAPS1-4]	This session is only open to registered CAPS participants. Learn how to plan and execute a successful career path in our industry. Learn how developing your leadership skills are critical to your career success. Understand your strengths and weaknesses when you are placed in charge of a team or project. Learn to manage and participate as a leader with your team members and colleagues. [CAPS 1-6]	04/23/2026	9:45 am	CAPS 1	Christian Crosby, Derinda Ehrlich, Jeremiah Randa
Pick Our Brains: The AISC 360/AISI S100 Merger [H1]	A panel of experts working on the AISC 360/AISI S100 merger will share updates, answer questions, and discuss the direction the merger may take.	04/23/2026	9:45 am	CFS [H]	Josh Buckholt, PE, SE, Lou Geschwindner, Ph.D., PE, Kara Peterman, Ph.D., Andrew Newland,

					PE
Practical Steel Design for Seismic Resilience [E9]	This session will present overarching concepts about seismic resilience and describe strategies that can be used within established steel systems to limit damage and improve performance. Seismic design case studies and example projects will be highlighted. Attendees will gain a working understanding of seismic resilience concepts and will learn about practical applications for the seismic design of steel structures.	04/23/2026	1:45 pm	Seismic [E]	Paul Richards, PhD, Leo Panian, SE, Larry Fahnestock, PhD, PE
Prescriptive Fire Protection Design Strategy: Some Do's and Don'ts [A12]	This session will review several basic code requirements and critical decisions for conforming with its prescriptive fire resistance ratings, nuances of standard test assemblies, and suggestions for improved project efficiency and mitigation of related problems. The presentation will include useful resources, a look at common fire protection materials, standard fire tested assemblies, and the importance of installation inspections.	04/22/2026	1:45 pm	Architecture [A]	Nestor Iwankiw
Project Case Studies in Using NSBA Guidelines [B16]	This session will emphasize the use of resources and guidance available from the NSBA on the design of steel bridge, including references to AASHTO/NSBA Steel Bridge Collaboration guidelines, the NSBA Steel Bridge Design Handbook, Steel Span to Weight Curves, AISC/NSBA Standard Plans for Steel Bridges, and various NSBA tools. Project case studies include a multi-unit straight steel girder bridge and curved steel I-girder flyover bridges in a four-level interchange.	04/24/2026	9:45 am	Bridges [B]	Jeff Carlson, PE, Domenic Coletti, PE, Matt Hebdon
Project Case Study: The Lakehouse [D6]	This session reviews the unique challenges of detailing and managing a sophisticated residential project featuring double-rolled steel. We'll unpack how complex geometry, exposed aesthetics, and tight tolerances drive different decisions in modeling, connection strategy, and documentation. We'll also highlight the advantages of working closely with the fabricator and structural engineer throughout—using early conceptual connection passes, vendor feasibility checks, and rapid RFI cycles to de-risk rolling, fit-up, and interfaces with finished surfaces. Attendees will see practical workflows for representing compound/"double" curvature, planning tolerances at stairs and glazing, and sequencing shop and field work so rolled pieces land right the first time. You'll leave with a playbook of coordination habits, shop-ready detailing tips, and QC checks that scale from boutique residential to any highly complex steel job.	04/24/2026	11:00 am	Detailing [D]	Michael Olsen, PE
Project Profitability Unlocked: 5 Action Keys Every Fabricator Executive Must Demand from Project Management [Z9a]	Profitable projects don't happen by accident—they are the result of disciplined, proactive project management. This session will highlight the five critical actions that separate highly profitable jobs from those that struggle: assessing risks, developing clear execution strategies, managing proactively, positioning your firm as a partner instead of an adversary, and always selling the "next job." Attendees will leave with a framework for turning project management into a profit center and long-term business growth engine.	04/23/2026	3:00 pm	Business [Z]	Mike Senneway

Project Profitability Unlocked: 5 Action Keys Every Fabricator Executive Must Demand from Project Management [Z9b]	Profitable projects don’t happen by accident—they are the result of disciplined, proactive project management. This session will highlight the five critical actions that separate highly profitable jobs from those that struggle: assessing risks, developing clear execution strategies, managing proactively, positioning your firm as a partner instead of an adversary, and always selling the “next job.” Attendees will leave with a framework for turning project management into a profit center and long-term business growth engine.	04/24/2026	2:00 pm	Business [Z]	Mike Senneway
Prosecution and Recovery of Shop Fabrication Costs Due to Delay or Disruption [L3]	Delays or disruptions caused by scheduling issues, design drawing delays, or after onsite project issues can have a direct and indirect cost impact on the fabrication shop and the profitability of the steel fabricator.That impact is often ignored or discounted by the above stream project participants such as owners, design professionals and general contractors.In this session we will identify common events that cause delays and disruption and the potential cost impacts to your company. We will also discuss the prosecution of those claims and the likely defenses to those claims.	04/22/2026	3:00 pm	Legal [L]	Edward Seglias, Esquire, Jason Copley, Esquire, Matthew Skaroff
Pulling the Thread on Bolting: Will It Unravel? [QC13]	The Bolt Council has released the latest specification for high-strength fasteners. Will we see a return to rivets or square heads, maybe even oblong bolts? Whatever the changes are, we can rest assured that bolting will be turning heads (or nuts if it's a DTI). Be sure to join this session as we explore the changes and how they affect the installers of high-strength fasteners before we all go nuts!	04/24/2026	12:45 pm	QualityCon [QC]	Larry Martof, Loren Thomas
Quality for CAPS [CAPS2-6]	This session is only open to registered CAPS participants. Join forces with your fellow participants to use provided materials and references to solve quality issues in roundtable fashion. Each participant will play a key role in their group’s success, as well as pick up on the findings of other groups to add tools to their quality toolbox. [CAPS 2-6]	04/24/2026	11:00 am	CAPS 2	Todd Alwood, Tim Duke
Rain Loads & Ponding (Design Guide 40): What You Should Know [N36]	This session, presented by the principal author of Design Guide 40, will provide guidance for the design of roof systems to avoid or resist ponding instability and water accumulation. Design Guide 40 was written in response to major changes to Chapter 8 of ASCE/SEI 7-22 that require consideration of ponding in the determination of rain loads and not as a separate check. The session will highlight specific areas of design for the benefit of architects, building inspectors, building officials, designers, engineers, students, and others.	04/23/2026	3:00 pm	Design & Analysis/Engineering [N]	Mark Denavit, Hamid Foroughi, Ph.D., PE
Ready to Launch: Incremental Launching of a Long-Span Steel Girder Bridge [B2]	Incremental launching is a unique way to erect a steel bridge, such as the State Route 8 bridge in Akron, Ohio. This session will focus on the challenges associated with launching long-span steel girder bridges, including geometry control, roller styles, launching mechanics, as well as launching rate.	04/22/2026	11:30 am	Bridges [B]	Jared Fasick

Real World AI: A New Way to Look at Your Workflows [EW6]	AI is no longer a future consideration; it's already reshaping how manufacturing and supply chain businesses operate. Still, many visionaries are struggling with the question: how do I take advantage of it in my shop? This webinar is recommended for anyone exploring the use of AI to make their businesses run better, but cautious about how to manage the time, resource and risk investment. In this session, Kevin Seefried, Founder and President of TwinEngines, offers a practical look at how AI is being used to streamline workflows without requiring a major IT overhaul. Drawing from real-world examples, Kevin will show how small and midsized firms are using AI to expand workflow automation and use natural language to unlock business insights. Attendees will learn: • How to reimagine business processes with AI in mind—without launching an "AI project" • What AI-enabled workflows actually look like in distribution and manufacturing • How to evaluate success and avoid common pitfalls • What to consider when assessing the total business value of AI • Why small, agile iterations beat big-bang implementations • How to identify high impact starting points in the business • Suggestions on how to protect the business from the cybersecurity pitfalls of AI adoption This isn't about chasing trends, it's about understanding how AI can help your business move faster, make better decisions, and stay competitive in a changing landscape. The session will include an open Q&A, giving attendees a chance to ask questions specific to their business and hear what others in the community are exploring. Whether you're exploring AI for the first time or looking to scale your efforts, this session will equip you with a grounded, engineering first perspective on deploying AI where it matters most. Exhibitor Workshops do not offer PDH credits	04/23/2026	11:00 am		
Reimagining the Future of Warehouses [CS10]	In this case study presentation, members of the design team will share the unique design considerations, challenges, and opportunities for delivering a multi-story distribution center in a major urban area in the Midwest. Located just two miles from the city center, Project Heat requires elevated floor designs for storage loading, truck loading/unloading and roof-level parking, resulting in considerable loads and spans. Capitalizing on efficient structural designs and materials, the team delivered this 1.2M-sf project while yielding significant sustainability reductions.	04/23/2026	4:15 pm	Case Study [CS]	Roger Heeringa, PE, SE
Research Innovations: New Seismic Local Slenderness Requirements for HSS Braces [E4]	Seismic local slenderness (width-to-thickness ratio) limits for braces are a critical element of ductile design for earthquake-resistant steel braced frames. A coordinated set of recent research projects extensively examined these limits through large-scale testing and finite element analysis of HSS braces, as well as numerical earthquake simulations of braced frame buildings. The results from this project led to new seismic slenderness requirements for braces that will be implemented in the next edition of the AISC Seismic Provisions. This presentation will summarize research findings from these projects and describe how they are being translated for practical applications.	04/23/2026	3:00 pm	Seismic [E]	Andrew Sen, PhD, Andrew Ziccarelli, PhD, PE, Devin Huber, PhD, PE

Rethinking HSS: Smarter Connections for Real-World Fabrication [C10]	Hollow Structural Section (HSS) TYK connections often carry a reputation for being complex, costly, and fabrication-unfriendly — but it doesn't have to be that way. In this session, we'll challenge long-held assumptions about HSS TYK connection design, along with other HSS connections and explore strategies to simplify detailing without compromising structural integrity. Drawing from real fabrication feedback and field experience, we'll examine common pitfalls engineers overlook and highlight practical ways to simplify fabrication, avoid unnecessary weld complexity, and lower project costs. Join us to learn actionable insights that bridge the gap between design intent and constructible reality — all while improving clarity, efficiency, and collaboration with fabricators.	04/23/2026	4:15 pm	Connections [C]	Conner Maines, PE, SE, NSSA AP, MLSE
Risk Associated with Delegated Design: What Structural Engineers Need to Know [Z6]	Delegated design is increasingly common in structural engineering projects, particularly in fast-track or design-build delivery methods. While this approach can improve efficiency and cost management, it also introduces complex legal and insurance considerations. This session will explore the critical risk factors structural engineers face when accepting delegated design responsibilities — including scope definition, professional liability exposure, coordination pitfalls, and contract language traps. Attendees will leave with practical strategies to reduce risk, strengthen contract protections, and navigate client expectations without compromising professional obligations.	04/23/2026	9:45 am	Business [Z]	Roger Guilian, JD, CRIS, Leo Argiris, PE
Robotic Painting for Structural Steel: Intelligent Automation with 3D Scanning and CAD-Based Path Programming [EW13]	This workshop explores advanced robotic painting solutions for structural steel, focusing on full automation through 3D scanning and CAD-driven paint path generation. Participants will learn how these systems align CAD-based paths with the actual position of steel components using real-time 3D scanning, ensuring precise coating even for complex geometries. The session also highlights use of conveyors to improve logistics and reduce material handling, Key topics covered: 1) How does the system work? • Process flow in general robotic paint system • Automatic paint path generation from CAD models • Dynamic alignment of CAD paths with actual steel positions using scanning feedback 2) What geometries can the system paint? • Structural steel profile and geometry catalog • Adaptation to new geometries • Validation if solution works for your product 3) Conveyor logistics and material handling • Conveyor system technology • Logistics consideration • Handling considerations 4) Design considerations • Paint process • Part size, weight and geometry • Shop floor layout 5) Case studies and demonstrations • Real-world implementations in steel fabrication plants • ROI considerations and integration strategies Learning outcomes: • Understand robotic painting systems for structural steel • Learn how 3D scanning and CAD-based path programming optimize paint application • Explore conveyor-based automation for reduced material handling and high throughput Exhibitor Workshops do not offer PDH credits	04/23/2026	9:45 am		

ROI That Works: Making Smart Equipment and CapEx Investments in your Fabrication Company [F11]	Capital equipment decisions can make or break a steel fabricator because you are tying up significant capital in long-term investments. This session will walk you through a practical, step-by-step approach to calculating return on investment (ROI) for equipment and capital expenditures, ensuring decisions are grounded in data—not emotion. Attendees will leave with clear methods to evaluate payback, risk, and long-term financial impact before signing the purchase order.	04/23/2026	11:00 am	Fabrication & Erection [F]	Alan Ferguson, CPA
Rooftop Screenwall Design and Erection [N37]	Rooftop screen walls appear simple, however connections to the structure, load path, roofing penetrations, and designing for durability create complications. Field labor costs can rapidly escalate due to these complications. The design is often delayed until late in the process due to the coordination required from the many design team members and trades involved. There is currently no clear guidance in building codes for the design of screen walls, requiring a need for careful interpretation of code commentary and supplemental articles. This session aims to provide much needed guidance and best practices.	04/23/2026	4:15 pm	Design & Analysis/Engineering [N]	Jim Foreman, Jay Karst, Emily Scarfo, PE
Safety in Motion: Keys to Successfully Managing Risk Around Fabrication Robotic Equipment [Y5]	As the integration of robotics accelerates, fabricators must master the specific safety hazards these systems introduce to the shop floor. This session moves beyond general awareness to explore the keys to success in managing risk around automated equipment. We will detail best practices and develop effective employee training protocols necessary for a zero-incident operation in an automated environment.	04/23/2026	4:15 pm	SafetyCon [Y]	Aaron Stebner
Same-Day Steel: An AI Possibility or a Pipe Dream? [EW9]	Could a design change made in the morning lead to steel onsite by the afternoon? This session explores the technical, operational, and cultural shifts that would be required—and the early signals suggesting the industry is already moving in that direction. It’s an open, industry-wide conversation about what can genuinely be accelerated, what obstacles still matter, and how the steel workflow could evolve if we’re willing to rethink the status quo. Everyone involved in the steel lifecycle is invited to participate as we map out what’s possible, what isn’t yet, and where the next major breakthroughs may come from. Exhibitor Workshops do not offer PDH credits	04/22/2026	4:45 pm		
Schedule vs. Safety: Keys to Managing This Critical Hazard in Both Fabrication and Erection [Y1]	In today's compressed construction environment, the conflict between aggressive schedules and critical safety is a constant hazard, particularly on fast-track projects like data centers. This session provides practical keys to successfully manage safety and risk while under intense schedule pressure. We'll dive into actionable strategies for fatigue assessment and management, effective schedule adjustment techniques, and explore industry data on maximum safe work hours to protect your workforce and project timeline.	04/22/2026	10:15 am	SafetyCon [Y]	Steve Davis
Second-Order Amplification Based on Allowable Drift [E5]	There's a new table in the Seismic Design Manual, 4th ed.: second order amplifier. This session reviews second order effects, the new table, and a design example showing application.	04/23/2026	4:15 pm	Seismic [E]	Rafael Sabelli, SE

Seismic Design Fundamentals (for Those That Normally Don't Design for Seismic) [E6]	This session targets those who do not perform seismic design on a regular basis by introducing key design standards (e.g., ASCE 7 and AISC 341) and their essential content. It presents the fundamental information an engineer must have and the initial decisions that must be made before developing a seismic design. The session compares and contrasts wind and seismic design.	04/23/2026	9:45 am	Seismic [E]	Thomas A. Sabol, SE
Seismic Welding Requirements -- Putting It All Together [E2]	Welding standards for seismic force-resisting systems continue to evolve with the 2025 edition of AWS D1.8/D1.8M, the Seismic Supplement to AWS D1.1. Referenced by AISC 341, this fifth edition includes significant updates—particularly clarifying the qualification and use of filler metals per Annex A and their role in prequalified WPSs for demand-critical welds. AWS D1.8 now supports a broader range of systems found in AISC 341, including moment frames, braced frames, shear walls, and their composite versions. AISC 358 further expands prequalified moment frame options, each with unique welding and detailing requirements. This session will help you navigate these updates and integrate them effectively into your seismic design and welding practices.	04/23/2026	11:00 am	Seismic [E]	Bob Shaw, Kevin Wilson, SE, PE
Shaping Structures: An Architect’s Guide to HSS [A11]	Discover how Hollow Structural Sections (HSS) can transform your architectural projects by combining structural integrity and efficiency with sleek aesthetics. This session delves into the benefits of HSS, including their high strength-to-weight ratio, torsional resistance, sustainability, and clean lines that enhance modern designs. Learn about key design considerations and real-world applications that showcase the versatility of HSS. Gain practical insights and tips to optimize your designs using HSS.	04/22/2026	11:30 am	Architecture [A]	Holly Schaubert, Paul McKeever, Nathan Blong
Shaping the Future of Fabrication: Autonomous Welding Powered by AI [EW17]	As labor shortages and skill gaps continue to challenge the fabrication industry, the adoption of autonomous welding and AI technologies offers a powerful solution. In this session, we explore how Cortex AI’s cutting-edge advancements address these industry pain points, delivering transformative benefits in efficiency, quality, and throughput. We’ll discuss how robotics and AI are becoming mainstream tools that not only improve operational performance but also attract new talent to a tech-driven industry. Join us to learn how autonomous welding is reshaping the future of fabrication. This session explores how fabricators can achieve scalable, high-mix automation by combining the right robotic welding equipment with intelligent software. We’ll walk through how Cortex eliminates manual programming by leveraging CAD models to automatically generate weld paths, ensuring a seamless transition from design to production. Attendees will gain insight into how smart automation improves consistency, reduces rework, and drives overall shop efficiency. From a technical perspective, we’ll share practical guidance on: Designing robot-friendly connections that simplify automation Using CAD platforms like Tekla Structures, SDS/2, Advanced Steel to ensure accurate and accessible weld modeling Developing best practices for digital weld modeling, joint sizing, and connection layout Building workflows that align design and fabrication teams to maximize robotic performance By optimizing both digital inputs and physical	04/23/2026	1:45 pm		

	processes, fabricators can unlock new levels of productivity and quality. Whether you're just exploring automation or scaling an existing solution, this session will provide actionable insights to accelerate your journey into autonomous welding. Exhibitor Workshops are not eligible for PDHs				
Shear Capacity of Steel Plate Girders: Mechanics, Web Plate Imperfections, and Predictive Parameters [N38]	The shear capacity of steel plate girder is defined as the shear capacity of the web plate alone. Experiments and validated finite element models show that if the flange and stiffeners contribute to the capacity, their contribution is relatively small and develops at significantly large deformations. In predicting the shear capacity, the initial out-of-flatness (OOF) of the web plate has an important influence. Hundreds of OOF measurements were taken at a large fabrication facility and compared to the maximum permitted OOF as defined in codes and standards. The shear capacity of plate girders with measured OOF and eigenmode shaped OOF are compared via finite element models. Recommended OOF (shape and magnitude) imperfections for finite element studies are given and then used in a parametric study with over 900 cross sections of stiffened plate girders. Geometric parameters that produce strong trends in predicting the shear capacity are identified for future development of potential predictive design formulations.	04/24/2026	9:45 am	Design & Analysis/Engineering [N]	John Kennedy, Maria Garlock, P.E., Ph.D, F.ASCE, Spencer Quiel, P.E., Ph.D., Muhie Dean Ahdab, Parfait Masungi, Ph.D.
Shear Connection Perfection [C11]	Shear connections are often the most common connection in steel structures, a fact which can make them the most effective connection to target when it comes to optimization and constructability reviews. Many possible types of shear connections exist, each of which has pros and cons in the different arenas of design, fabrication, and erection. This session will compare the different types of shear connections from different perspectives and give some suggestions for best approaches to life-cycle-cost optimization.	04/24/2026	9:45 am	Connections [C]	Tim Francisco, PHD, PE
Short Span Steel Bridges [EW21]	This session presents practical, cost-effective solutions for simple span bridge projects using short span steel bridges. Participants will learn how standardized designs and tools like the SSSBA’s eSPAN140 and eBEAM140 streamline design, cut fabrication costs, and accelerate construction. The session also covers life cycle cost comparisons, offers examples of prefabricated and locally built steel bridges, and highlights an innovative "Simple for Dead, Continuous for Live" design approach, including considerations for bridge resiliency in design and material selection. Exhibitor Workshops do not offer PDH credits	04/23/2026	4:15 pm		
Small Changes, Big Savings: Designing for Constructability [N39a]	This session will review how small decisions in the design phases can result in potential major savings by considering constructability and the erection process. The intent of this session isn't to change the EOR's design means and methods, but for EORs to learn about some common tweaks to the design that could result in simplifying the structure's stability, bracing, temporary shoring, etc., and result in substantial cost and time reductions.	04/24/2026	11:00 am	Design & Analysis/Engineering [N]	Andrew Angelilli, PE

Small Changes, Big Savings: Designing for Constructability [N39b]	This session will review how small decisions in the design phases can result in potential major savings by considering constructability and the erection process. The intent of this session isn't to change the EOR's design means and methods, but for EORs to learn about some common tweaks to the design that could result in simplifying the structure's stability, bracing, temporary shoring, etc., and result in substantial cost and time reductions.	04/24/2026	2:00 pm	Design & Analysis/Engineering [N]	Andrew Angelilli, PE
Software and the Bridge Engineer: Complications and Advancements [B4]	Two important topics are discussed in this session. One discussess the missing connection between bridge designers and software suppliers. Structural analysis software is widely used in the evaluation and design of bridges and other structures. The responsibility of the correctness of the analysis and verification process should reside with the Engineer of Record, not the structural analysis software vendor. However, the software vendors can provide documentation and/or data to help users verify structural analysis software. We will evaluate where the lines blur and how that is being addressed in the industry. The second looks at how machine learning is being leveraged for bridge analysis. By combining machine learning with powerful parametric tools, a design/optimization framework was developed to quickly model steel girder bridges of varying geometry including skew and curvature. The presentation discusses how parametric design tools and machine learning can be used to enhance the understanding of steel bridge behavior.	04/22/2026	11:30 am	Bridges [B]	Natalie McCombs, Matthew Volz, Sofia Puerto, Deanna Nevling
Software Showdown: CFS Member Design Two Ways [H6]	This session will empower the engineer to become a Direct Strength Method pro via live demos of open source cold-formed steel member design software, all while teaching the underpinning theory and methodology for each computational method.	04/24/2026	9:45 am	CFS [H]	Rodrigo Goncalves, Zhanjie Li, Ph.D.
Sound Isolation and Noise Control in Steel Buildings [A13]	This presentation outlines fundamental principles of acoustics in buildings: the basics of sound waves, basics of human perception of sound, how sound behaves inside vs outside, the acoustic properties of building materials, reverberation, how to isolate sound between different spaces, the difference between absorbing and blocking sound, and the basics of building mechanical system noise and vibration control. We will also touch on the role of acoustic modeling in current design practice. Specific project examples and "stories from the field" will illustrate each of the main concepts, along with several live and interactive demonstrations during the seminar.	04/23/2026	1:45 pm	Architecture [A]	Anthony DeMarte
Special Topics 1 [S4]	1. Abdullah Alghossoon, "Modern Stability Design Approach for Composite Members: Insights Shaping The AISC 360-22 and Future Directions" 2. Guven Kiymaz, "Strength and Stability Limits for Stainless Steel Round HSS Members under Flexure" 3. Richard Joao Rosa, "Linear Buckling Analysis for Cable Domes" 4. Shafqat Ullah, "Numerical investigation on dynamic buckling behavior of thin-walled cylindrical storage tanks subjected to seismic excitations"	04/22/2026	3:00 pm	SSRC Annual Stability Conference [S]	Abdullah Alghossoon, Guven Kiymaz, Richard Joao Rosa, Shafqat Ullah, Anthony Battistini

Special Topics 2 [S9]	1. Hoang Duong Ngoc, "Experimental study on the buckling behavior of aluminium members with closed cross-sectional shapes" 2. Kubilay Cicek, "Consideration of Modified Slenderness Ratio in Joist Girder Top Chord Buckling" 3. Balázs Kövesdi, "Direct buckling resistance check of complex steel plated structures" 4. Monamy Mustaq, "Strain-Based Curvature and Displacement Analysis Using Distributed Fiber Optic Sensing"	04/23/2026	3:00 pm	SSRC Annual Stability Conference [S]	Telmo Andres Sanchez, Hoang Duong Ngoc, Kubilay Cicek, Balázs Kövesdi, Monamy Mustaq
Specifying the Right Tube for the Job [N40]	Selecting the right hollow structural section (HSS) goes beyond choosing a shape and size—it requires understanding availability, production realities, and material standards. This session reviews key factors such as ASTM specifications, regularly produced vs. on-demand sections, stock lengths, and minimum tonnage requirements. Through real project examples, attendees will learn how to avoid common pitfalls—like specifying unavailable sizes or overly varied sections—and gain practical strategies for specifying efficient, buildable, and cost-effective HSS designs.	04/22/2026	10:15 am	Design & Analysis/Engineering [N]	Andrea Chiu, PE, SE
SSRC 2026 Beedle Award Presentation [S10]	A Post-buckling Journey: 25 years with the Thin-walled Structures Group Benjamin W. Schafer Abstract For twenty-five years, the Thin-Walled Structures Group at Johns Hopkins University has provided a home for exploring the nonlinear, the imperfect, and the unexpected—both in structures and in people. This paper reflects on that journey through the work of my Ph.D. students and close collaborators, whose creativity and persistence have defined the group's approach to stability. Each researcher brought new insight to the mechanics of thin-walled members and systems; and the methods we now take for granted in analysis and design. The lessons; however, extend well beyond conde provisions and finite strip models. Together we learned that progress in stability research depends as much on collaboration, curiosity, and trust as on computation and testing. The evolution of CUFSM, the Direct Strength Method, and subsequent advances in reliability, system behavior, and imperfection modeling all trace back to the energy and imagination of a community willing to share ideas freely and explore together. This paper briefly highlights key contributions from each student and collaborator, with emphasis on what their work revealed about the nature of stability and the broader process of engineering discovery. From the earliest studies of thin-walled columns to current investigations of wind-turbine towers and modular steel systems, these projects form a continuum of learning that has shaped not only my research, but also my understanding of mentorship and collegiality. The post-buckling path, it turns out, is where most of the interesting behavior occurs—both in structures and in careers.	04/23/2026	4:15 pm	SSRC Annual Stability Conference [S]	Benjamin Schafer, Ph.D., PE, Kara Peterman, Ph.D.
SSRC Annual Business Meeting [SS5]	All are welcome to attend the SSRC Annual Business Meeting. The Chair will present the Vinnakota, MAJR, Yoon Duk Kim Young Researcher, and Beedle Awards. Further discussion will include the annual budget, changes to the Executive Committee, and upcoming strategic objectives.	04/21/2026	5:00 pm	SSRC Annual Stability Conference [S]	Craig Quadrato
SSRC Social Hour [SS8]	In celebration of the 2026 Annual Stability Conference, SSRC will be hosting a welcome reception. All are invited to attend.	04/21/2026	7:00 pm	SSRC Annual Stability Conference [S]	Craig Quadrato

SSRC Task Group 02 [SS3]	All are welcome to attend this open meeting of SSRC Task Group 02: Stability of Steel Members	04/21/2026	2:30 pm	SSRC Annual Stability Conference [S]	
SSRC Task Group 03 [SS4]	All are welcome to attend this open meeting of SSRC Task Group 03: Stability of Steel Systems, Especially Frames	04/21/2026	3:45 pm	SSRC Annual Stability Conference [S]	
SSRC Task Group 04 [SS4]	All are welcome to attend this open meeting of SSRC Task Group 04: Stability of Metal Bridges and Bridge Components	04/21/2026	3:45 pm	SSRC Annual Stability Conference [S]	
SSRC Task Group 05 (CANCELLED) [SS3]	Update: This Task Group meeting has been cancelled. SSRC apologizes for any inconvenience. All are welcome to attend this open meeting of SSRC Task Group 05: Thin-Walled Structures	04/21/2026	2:30 pm	SSRC Annual Stability Conference [S]	
SSRC Task Group 06 [SS4]	All are welcome to attend this open meeting of SSRC Task Group 05: Thin-Walled Structures.	04/21/2026	3:45 pm	SSRC Annual Stability Conference [S]	
SSRC Task Group Overview [SS6]	Following the Task Group meetings held earlier in the day, the TG Chairs will report their activities and provide progress updates on their chapters of the "Guide to Structural Stability." All are welcome to attend.	04/21/2026	6:00 pm	SSRC Annual Stability Conference [S]	Craig Quadrato
SSRC Welcome Session [SS1]	SSRC Chair Craig Quadrato gives a welcome to the start of the 2026 Annual Stability Conference.	04/21/2026	1:00 pm	SSRC Annual Stability Conference [S]	Craig Quadrato
Stability of High Strength Steels [S13]	1. Tariq Sweidan, "Stability of High-Strength SpeedCore Walls: Evaluation of AISC Slenderness Limits" 2. André Martins, "High-Strength Cold-Formed Steel Columns Prone to Local and Local-Distortional Interactive Buckling" 3. Shahriar Quayyum, "Assessment of AISC 360 Column Design Curve Using Flexural Buckling Simulations of High-Strength Steel Columns" 4. Damir Akchurin, "Experimental investigation of torsional-flexural response of intermediately stiffened lipped channels cold-formed from 690 MPa (100 ksi) steel"	04/24/2026	12:45 pm	SSRC Annual Stability Conference [S]	Pedram Mortazavi, Damir Akchurin, Andre Martins, Shahriar Quayyum, Tariq Sweidan
Stability under Elevated Temperatures 1 [S3]	1. Yu Niu, "Fire Test of a 10-Story Cold-Formed Steel Building after Earthquake: Numerical Models for Fire, Thermal, and Mechanical Analysis" 2. Jiangyue Xie, "Elevated Temperature Tests on Cold-Formed Steel Members in Compression: Effect of Member Length, Temperature Profile, and Heating Regime" 3. Kossi Sama, "Post-Fire Behaviour of Aluminum Alloy Cross-Sections" 4. Ali Morovat, "Creep Buckling Behavior of Columns in Steel Moment Frames subjected to Fire"	04/22/2026	1:45 pm	SSRC Annual Stability Conference [S]	Yu Niu, Jiangyue Xie, Kossi Sama, Ali Morovat, Mina Seif
Stability under Elevated Temperatures 2 [S8]	1. Wen Cheng, "Cross-sectional behavior of aluminum alloy irregular rectangular hollow section stub columns after exposure to fire" 2. Augusto Gil, "Numerical investigation of localized failure at plate thickness transitions in steel bridge girders exposed to fire" 3. Pandiri Nithish Reddy, "Strength and Stability Assessment of Cold-Formed Steel Storage Rack Stub Columns After Exposure to Elevated Temperatures"	04/23/2026	1:45 pm	SSRC Annual Stability Conference [S]	Wen Cheng, Augusto Gil, Pandiri Nithish Reddy, Pedram Mortazavi

Stainless Steel in Architecture [A5]	Stainless steel has many appealing architectural qualities and is widely used for applications where both aesthetics and durability are important. This presentation starts with an introduction to the range of stainless steel architectural applications and product forms, illustrated with examples from recent projects. Guidance on the properties of the different alloys and how to specify stainless steel will be given, followed by an explanation of typical architectural surface finishes. Stainless steel is very versatile in terms of manufacturing, and an overview will be presented of the different processes relevant to architectural applications. The presentation will conclude with an overview of the sustainability credentials compared to other architectural materials.	04/22/2026	4:45 pm	Architecture [A]	Benjamin Baer, Brent Vander Werf
Standard Practice Details for Efficient HSS Connections [C16]	Connection detailing for Hollow Structural Sections (HSS) can have a major impact on efficiency, economy, and constructibility. This session presents standard practice details for common HSS connections — the details your team can actually use. Attendees will see proven solutions for T-joints, K-joints, moment connections, and base connections, and learn how to apply these details in real-world projects. Attendees will see how recommended connection details can reduce material use, simplify construction, and improve overall project efficiency. Structural engineers, detailers, and fabricators will leave with practical guidance for applying these details to achieve consistent, cost-effective, and high-performing HSS connections across a variety of applications.	04/23/2026	3:00 pm	Connections [C]	Holly Schaubert, Brad Fletcher, S.E.
Steel Bridge Fabricator Panel [B9]	Want to know how a steel bridge is fabricated? This presentation and steel bridge fabricator panel discussion will provide the audience with a look into how a steel bridge is fabricated, from contract initiation through fabrication and ending with delivery to the project site. General presentation topics will include prebid activities, contract sale, shop drawing development and review, fabrication equipment and production, and product delivery. The fabricator panel will answer questions from the audience regarding the steel bridge fabrication process.	04/23/2026	1:45 pm	Bridges [B]	Russell Voss, P.E., Kevin Bird, Sean Peterson, Daniel Davis
Steel Bridge Industry Roundtable [B6]	Roundtables are a great way to get all parties of a supply chain in the same room. This roundtable aims to get owners, designers, mills, fabricators, contractors, and erectors in the same room to discuss the things that keep you up at night. This session will explore topics ranging from challenges with design-build projects; when is an issue is a non-conformance, an RFI, or a phone call; shop drawing reviews; and will discuss the available resources.	04/22/2026	3:00 pm	Bridges [B]	Jeff Carlson, PE
Steel Bridge Structural	Looking for something hands-on? In this Tuesday aftenoon workshop, we will have something engineers don't usually get their hands on: bolting and welding. Industry representatives will discuss bolted and welded connections and as an added bonus, you will be able to get your hands on a bolting wrench and AISC's virtual welders. Make it a challenge and see how you do in comparison to your colleagues! The goal of the workshop is to help you get a better understanding about how what you put on your design plans gets put into action and why both process and inspection are important		1:00		Curtis Decker PE, SE, PhD, Duncan Paterson, Bill

Connections: Hands On! [BW1]	aspects of bridge building. The first half will have presentations from industry experts on both bolting and welding. For the second half, we will have multiple interactive stations set up for you and a chance to ask more questions about each procedure. The second half of this session will take place in Thomas Murphy Ballroom 1. After all that hard work, we'll take some time to relax and network with an exclusive reception only for workshop participants from 5:00 to 7:00 p.m. in the Thomas Murphy Ballroom Foyer!	04/21/2026	pm	Bridges [B]	Germuga, John O'Brien, Kate Ouellette, Chris Curven
Steel Deck Tech Note Crash Course [N41]	This rapid-fire session will cover the 22 tech notes the Steel Deck Institute has issued to provide guidance on best practices when designing or constructing with steel deck. Included are how to properly apply wind forces to roof deck and how to apply directional loading diaphragms. Additionally, the session will discuss methods for attaching steel deck diaphragms to other steel supports and review how to apply AWS D1.3 welding criteria to steel deck.	04/22/2026	11:30 am	Design & Analysis/Engineering [N]	Ian Micklethwaite, Kevin Barker, PE, Dan Fortin
Steel Displacement During Construction: Where Does It Come From and When Does It Matter [N42]	When structures feature curved and built-up sections, there are many challenges in matching the erected structure to the theoretical coordinates. We will discuss displacement during construction including tolerances and dead load deflections and some of the impacts this can have to the design structure. Using real examples from several non-conventional steel structures, presenters will discuss construction deflections, staged analysis models, and nuances of steel tolerances.	04/22/2026	1:45 pm	Design & Analysis/Engineering [N]	Jerod Hoffman, PE, Patrick Hassett, S.E., M.S., Tyler Holke, SE
Steel Innovation: From Need for Speed to Sustained Momentum and Game Changers [I4a]	From its ambitious goal of speeding up projects by 50% by the end of 2025, the AISC Need for Speed initiative has successfully driven groundbreaking new technologies for the steel industry. Join AISC's Melissa Gradecki and Hannah Valentine as they discuss the remarkable achievements of this initiative and learn how AISC is leveraging the momentum created by this work to continue advancing steel as the most innovative, versatile, and high-performance material in construction. Discover how emerging steel solutions, from asymmetric beams to hybrid steel-timber floor systems, can enhance efficiency, structural performance, and architectural possibilities. This session will explore the integration of advanced technologies, including AI, VR, and additive manufacturing, that are streamlining design and fabrication and optimizing material use.	04/22/2026	3:00 pm	Innovations [I]	Hannah Valentine, PE, Melissa Gradecki, SE, PE, Christopher Raebel, SE, PE, PhD
Steel Innovation: From Need for Speed to Sustained Momentum and Game Changers [I4b]	From its ambitious goal of speeding up projects by 50% by the end of 2025, the AISC Need for Speed initiative has successfully driven groundbreaking new technologies for the steel industry. Join AISC's Melissa Gradecki and Hannah Valentine as they discuss the remarkable achievements of this initiative and learn how AISC is leveraging the momentum created by this work to continue advancing steel as the most innovative, versatile, and high-performance material in construction. Discover how emerging steel solutions, from asymmetric beams to hybrid steel-timber floor systems, can enhance efficiency, structural performance, and architectural possibilities. This session will explore the integration of advanced technologies, including AI, VR, and additive manufacturing, that are streamlining design and	04/24/2026	12:45 pm	Innovations [I]	Hannah Valentine, PE, Melissa Gradecki, SE, PE, Christopher Raebel, SE, PE, PhD

	fabrication and optimizing material use.				
Steel Parking Structures: The NEW AISC Design Guide 18 [M11]	The new second edition of Design Guide 18, Steel Parking Structures, newly updated to conform to the 2022 AISC Specification and the 16th-edition Steel Construction Manual, provides new content, including general information about parking design and geometrics. This session provides an overview of the design guide, highlighting structural guidance that can be found for steel parking structures. This session will also discuss framing systems, lateral design, and barrier systems, as well as constructability and durability. Design examples and guidance on repair and maintenance strategies are also included.	04/24/2026	9:45 am	Manuals, Standards, and Design Guides [M]	Todd Lohman, PE, David Wilken, PE, Kyle Pawlak, PE
Steel Railroad Bridges: Two Featured AREMA Projects [B5]	This session focuses on two innovative railroad projects. The first is a $544 million railroad project in Springfield, Ill., that consolidates two north-south rail corridors. The steel double-track railroad bridges required spans lengths of approximately 155 ft with 30-degree skews–and each was erected on a tight, accelerated schedule. The second project is the replacement of a bridge with two tracks for commuter and freight traffic in a dense urban environment. The Chicago bridge has an extremely low structural capacity rating that limited use to a single train at a time and limited speed to 10 mph. This presentation will focus on the complex design, constructability constraints, and extensive coordination required to replace the aging structure and upgrade the adjacent facilities within a dense urban environment.	04/22/2026	1:45 pm	Bridges [B]	Michael Mendenhall, PE, SE, Duncan Paterson, Tina Revzin, PE, SE, Jordan Christensen, PE, SE
Steel Saves the Day: Emergency Bridge Reconstruction [B18]	In emergency situations such as over height vehicular bridge hits, fires, or natural disasters, fabricators can respond and provide steel in a matter of weeks or months. This presentation will feature example projects, explaining how engineers can work with the industry to achieve such deliveries, including strategies for rapid materials and shop drawings and fitting into fabricators' schedules	04/24/2026	12:45 pm	Bridges [B]	Derek Manz, Chris Tuminello, PE, Michael Malloy, PE
Steel-Timber Hybrid Structures: The Best of Both Worlds [A9]	This session presents a case study in the use of CLT slabs on steel beam and column framing in a current long-span office building design. Topics include advantages of steel-timber hybrid structures and the design process that lead to the use of hybrid construction on this project. Attendees will learn about perimeter and envelope connections in steel-timber hybrid construction, tolerances, and fire protection considerations. Also included are design consideration for the hybrid system, and lessons learned from construction.	04/23/2026	3:00 pm	Architecture [A]	Joshua M. Mouras
Stop Designing Buildings for Earthquakes [E7]	This session, intended for all audiences, will discuss the importance of changing from a language of earthquakes and magnitudes to a discussion about ground motions and building performance. Attendees will gain a better understanding of the causes of earthquake damage and how the code sets the design shaking level and the associated expected building damage.	04/24/2026	11:00 am	Seismic [E]	Brent Maxfield, SE

Storm Shelter Design: Schools Made Safe [N43]	New schools and other public buildings in areas of possible severe weather including tornadoes and hurricanes are being designed and constructed with storm shelters. These safe areas are usually in a common portion of the structure that can house all those who would commonly be in the building, such as the total student and faculty of a high school. This session will review some of the common practices being utilized to effectively and economically provide such safe places.	04/24/2026	9:45 am	Design & Analysis/Engineering [N]	Scott Russell, SE, PE, Riley Mahaffey, P.E., Thomas Norris, P.E.
Straight Answers on Skewed Weld Design [N44]	This session addresses the design of welds with skewed dihedral angles, reviewing relevant provisions from the AISC Specification and AWS D1.1. It also presents findings from recent AISC-sponsored research, offering additional guidance to supplement current design practices.	04/23/2026	4:15 pm	Design & Analysis/Engineering [N]	Bo Dowswell
Strategic Client Care: A Program for Success [D10]	This session provides the suggested working details for providing a level of care designed to protect our client and ourselves from claims on late drawing delivery, preventing lost revenue for changes and overtime. Simple steps for exposing information gap and insufficient details will provide time and financial savings through smooth project delivery.	04/23/2026	11:00 am	Detailing [D]	Kerri Olsen
Stronger Teams, Stronger Results: Leveraging DISC for Growing Teams [Z11]	As your company grows, building strong, balanced teams becomes just as important as investing in equipment, systems, and technology. This session will show how DISC personality testing can help leaders understand your employees' strengths, communication styles, reduce conflict, and align the right people in the right roles. Attendees will leave with general understanding of how you could apply DISC insights for recruiting, managing, and scaling your workforce effectively.	04/24/2026	9:45 am	Business [Z]	Frank de Jong
Structural Engineering Ethics [N45]	Have you experienced any ethical issues in your career? This session will relate some ethical issues that the presenter has experienced in structural steel construction and how these were addressed. The session will contain an interactive session where the participants will take on the roles of engineer, fabricator, and detailer to evaluate how each party should address the ethical issue. The end of the session will have a forensic issue that the participants will try to assess what happened in the incident.	04/22/2026	11:30 am	Design & Analysis/Engineering [N]	Lawrence Kruth, PE
Structural Steel and Sustainability: A Primer [G4]	This session provides an overview of the current sustainability landscape. How has the understanding of sustainability changed over the past decade? Why is the current focus on materials and embodied carbon? What are LCAs and EPDs? How is embodied carbon determined and reported? Where does the structural steel industry stand with respect to other materials? What is the current regulatory landscape? Where are we headed?	04/22/2026	11:30 am	Sustainability [G]	John Cross, PE
Student Steel Bridge Competition Demonstration	Experience the excitement of the Student Steel Bridge Competition (SSBC) live during the Welcome Reception! Starting at 5:45 p.m. in the attendee seating area, teams from Georgia Tech and Auburn University will perform back-to-back, timed bridge construction demonstrations. With live narration from an SSBC Rules Committee member, get an inside look at the design challenges, technical constraints, and fast-paced teamwork behind the competition. Stop by to see the next generation of structural engineers in action and stay to chat with the teams about their work.	04/22/2026	5:45 pm		

Students Connecting with Industry Sessions (SCIS)	You are invited to join us for the Students Connecting with Industry Sessions (SCIS) on Thursday, April 23! These sessions are exclusively for students, where you can learn about the structural steel industry, explore potential career paths, and network with design professionals. The first session (Career Insights) features two distinguished design professionals who will provide their unique perspectives on the professional world. Then, following the complimentary lunch, join the conversation and build your network in a relaxed setting during Direct Connect. You will have the opportunity to connect and interact with top designers of the leading architecture, engineering, and construction firms around North America. You may even qualify for up to $175 in travel reimbursement! Any questions can be directed to universityprograms@aisc.org.	04/23/2026	11:00 am		Kai Zhang, Jeremy Feist, PE, SE
Success with Steel in RISA [EW11]	Looking to advance your analysis and steel design capabilities using RISA's powerful suite of tools? This workshop will guide participants through an integrated workflow that optimizes modeling, analysis, and design across RISA-3D, RISAConnection, and RISAFloor, ensuring accuracy and efficiency at every stage of a project. Through real-world examples and customer success stories, attendees will see how engineering teams across diverse industries have achieved faster design cycles, improved code compliance, and streamlined collaboration using RISA tools. Exhibitor Workshops do not offer PDH credits	04/23/2026	7:00 am		
Sustainability Codes, Standards, Rating Systems, and Regulations [G1]	LEED V5, Buy Clean laws, Green Building Rating systems and Green Construction Codes all address structural steel. Explore their applicability to your projects, the varying requirements of each program, and how they impact the engineers, architects, and steel fabricators working on a project.	04/23/2026	1:45 pm	Sustainability [G]	John Cross, PE, Max Puchtel, SE, PE
Sustainable Steel Projects: Lessons Learned from the Experts [G7]	Join a panel of experts from AISC's Sustainability Committee for a dynamic conversation about sustainable steel design and procurement. Drawing from their experience on real-world projects, panelists will share insights, achievements, and the obstacles they've encountered while advancing sustainability goals within the architecture, engineering, and construction (AEC) industry.	04/22/2026	4:45 pm	Sustainability [G]	Max Puchtel, SE, PE, Julia Hogroian, SE, PE, LEED Green Associate, Elena Good, SE, Michael Gryniuk, PE, Don Davies, SE
System Selection: How Steel Works with Other Materials [N46]	Steel plays well with others, but details matter and it's up to engineers to keep those interfaces in check. This session dives into the real-world challenges of connecting steel to steel, concrete, and masonry. Engineers will learn how to account for stiffness differences, material movement, and durability while selecting appropriate connection strategies for multi-material systems. We'll cover how to model these joints accurately with software and then translate those choices into details that actually work. If you've ever wondered why your "perfect" model didn't match reality, this session is for you.	04/22/2026	3:00 pm	Design & Analysis/Engineering [N]	Sam Rubenzer, PE, SE

Technology in Steel Fabrication: Challenges and Opportunities [T5]	This session offers a look at the diverse technologies available to modern steel fabricators and showcases successful implementations currently employed by leading facilities. We will explore a range of innovations, including artificial intelligence, robotics, and augmented reality. The discussion will focus on both the challenges fabricators face and the exciting opportunities these technologies present. Attendees will gain the knowledge necessary to evaluate and select the most suitable technologies for their own fabrication shops.	04/22/2026	4:45 pm	Technology [T]	Keresh Afsari, Eloy Rodriguez
Test					
The 10-Story Story: Flying High with Cold-Formed Steel and the CFS10 Effort [H2]	The CFS10 team will share recent research on the design and shake table testing of a 10-story cold-formed steel framed building. Structural system design and seismic performance of structural and nonstructural systems will be the focus of this research talk, with particular emphasis on the technology necessary needed to achieve 10 stories in a repetitively framed building.	04/23/2026	11:00 am	CFS [H]	Benjamin Schafer, Ph.D., PE, Tara Hutchinson, Ph.D., SE
The Aesthetic Appeal of Steel [K2]	When you think about AESS (Architecturally Exposed Structural Steel), you naturally think about Terri Meyer Boake. Terri is a distinguished figure in architecture, recognized globally for her expertise in steel construction, particularly Architecturally Exposed Structural Steel (AESS). As a Full Professor at the School of Architecture at the University of Waterloo, she has dedicated her career since 1986 to teaching and researching building construction, environmental design, and film. Her passion centers on the aesthetic and technical application of visible structural steel, aiming to bridge the gap in understanding among architects, engineers, and fabricators. She has actively collaborated with organizations like the Canadian Institute of Steel Construction (CISC) and the American Institute of Steel Construction (AISC), receiving the AISC Lifetime Achievement Award for her significant contributions to the field. Terri's publications serve as crucial resources for both students and professionals. Her expertise is primarily encapsulated in a series of comprehensive books published by Birkhäuser, including Understanding Steel Design (2011), Diagrid Structures (2013), Architecturally Exposed Structural Steel (2015), and Complex Steel Structures (2020). These works delve into the specifications, connections, and details required for AESS, emphasizing the importance of clear communication and specialized fabrication practices.	04/23/2026	8:00 am	Keynote [K]	Terri Meyer Boake
The Architect's Steel Playbook: 30 Cost-Effective Design Strategies [A7]	The most effective cost-saving strategies in steel construction aren't found in the final bid. They're embedded in the earliest design decisions and strengthened through collaboration. In this session, a design engineer and a fabricator team up to share 30 actionable strategies that balance design vision, constructability, and economy. Through real-world examples and practical guidance, they'll show how early alignment between architects, engineers, and fabricators can reduce waste, streamline coordination, and deliver elegant, efficient steel structures that perform as beautifully as they look.	04/23/2026	11:00 am	Architecture [A]	Robert Chmielowski, PE, SE

The Bolt Standard: Strength in Every Turn [N47]	This session will take a look back at the latest RCSC and AISC 360 specification and review some of the intracacies with bolted connections. By the end of the presentation the attendee will know the key changes to the 16th Edition of the AISC Steel Construction Manual (Manual, Specification and RCSC specification) with respect to bolted connections, how the changes benefit designers, fabricators and erectors, and be able to design a bolted connection with multi-axis loading utilizing the elastic method.	04/23/2026	1:45 pm	Design & Analysis/Engineering [N]	Cooper Jepson
The Bridge Welding Session: Weld Repairs and Modern Weld Technology [B21]	Come learn about modern welding techniques and practices in this session. First we will evaluate the effects of multiple weld repairs on steel members and if that has any impact on the steel and its fatigue resistance. Second we will hear the results of a national Scan Tour on modern welding practices in other industries and how these practices could have potential for adoption and implementation into welding for steel bridges.	04/24/2026	9:45 am	Bridges [B]	Matthew Phillips, Geoff Swett, PE, SE, Cornelius Wright
The Camber Conundrum: Who Is Responsible When? [F10]	Camber responsibility and accountability: perspectives from an EOR, fabricator, erector, and an erection engineer. A panel discussion that defines roles from design to erection.	04/24/2026	9:45 am	Fabrication & Erection [F]	Josh Collins, PMP, CWI, Cory Schultz, PE, Susan Burmeister, P.E., Al Sanders
The CFS Magic 8 Ball: Cold-Formed Steel Connections Primer [H3]	Cold-formed steel connections fundamentals are presented, with the aim of empowering the attendee to predict CFS system behavior through connection behavior.	04/23/2026	1:45 pm	CFS [H]	Cris Moen, Kara Peterman, Ph.D., Shahab Torabian, PhD, PE, SE
The CFS Magic 8 Ball: Research in Cold-Formed Steel Connections [H4]	Research trends in CFS connections are presented. Efforts to extrapolate system-level behavior from a single connection are the focii of the session.	04/23/2026	3:00 pm	CFS [H]	Cris Moen, Kara Peterman, Ph.D., Shahab Torabian, PhD, PE, SE
The importance of a solid QA/QC process (NISD QPP) [D3]	This panel discussion explores the critical role of robust QA/QC practices in driving production efficiency, reducing waste, and consistently delivering on client expectations. Industry leaders will share insights on how proactive evaluation and continuous improvement of quality procedures can strengthen team performance, enhance project outcomes, and support sustainable growth.	04/22/2026	3:00 pm	Detailing [D]	Brian Pyper, PMP, Assoc.DBIA, MBA, David Merrifield, Alden Prier
The Integration of Structure, Architecture, and Constructability: A Case Study of SFO Terminal 3 West Modernization [A14]	How does a team successfully design, engineer, and build what is effectively a new airport terminal, all while ensuring uninterrupted operations of the existing terminal? While unforeseen site conditions for existing buildings are common, how can each party in the team anticipate these items so that when, not if, they come up, there are no project showstoppers? How does progressive design-build delivery change typical team dynamics and working methods? This panel discussion will include representatives from the architect, structural engineer, and general contractor for the $2.6 billion SFO Terminal 3 West Modernization project and will share the process of collaboration and key lessons learned throughout the design and delivery phases with a focus on the integration of architecture and structure. The team will share a roadmap for designing interim conditions – beyond just the	04/22/2026	4:45 pm	Architecture [A]	Chris Payne AIA, LEED AP, Assoc. DBIA, Brendan Crockett, Pat Ryan, PE, SE, Mike Frankberg, PE

	end state, and highlight key lessons learned when receiving existing structural surveys during construction. Finally, a deep dive into successful coordination tactics that helped break down silos and shift conventional mindsets, focusing on innovative solutions to challenging problems, all while satisfying cost and schedule demands.				
The New 2025 RCSC Bolt Specification: Twisting and Turning and Torque, Oh My! [M12]	The 2025 edition of the RCSC Bolt Specification brings key updates to structural bolting practices. This session covers major additions, including new bolting components (Group 144 bolts, reaction/backing washers); the combined pretensioning method for heavy hex bolts; defined contractor responsibilities; qualification requirements for personnel responsible for supervision, installation, and inspection of structural bolting; and considerations for failed pre-installation verification tests.	04/24/2026	11:00 am	Manuals, Standards, and Design Guides [M]	Bob Shaw, Lawrence Kruth, PE
The New AISC Design Guide 41: Structural Joints Using Stainless Steel Bolts [M13]	Stainless steel fasteners offer strength, durability, and corrosion resistance—key qualities for critical applications where bolt failures can be costly. This session introduces the new AISC/RCSC Design Guide 41 Structural Joints Using Stainless Steel Bolts. It covers the design, installation, and inspection of stainless steel bolted joints, including connections between stainless and carbon steel members. Attendees will learn how to specify components per ASTM and ASME standards, compare stainless and carbon steel fasteners, and apply best practices for snug-tight, pre-tensioned, and slip-critical joints. Special considerations for dissimilar metals and troubleshooting tips will be discussed throughout.	04/23/2026	4:15 pm	Manuals, Standards, and Design Guides [M]	Francisco Meza, PhD, Justin Ocel
The Pros and Cons of Using AI in Structural Steel Fabrication Shop Quality Control [QC17]	Artificial intelligence (AI) is rapidly transforming the way structural steel fabricators and erectors approach quality control. From automated weld inspections and dimensional verification to predictive maintenance and production tracking, AI technologies promise improved efficiency, consistency, and data-driven decision-making. However, integrating AI into shop workflows also introduces new challenges, including data accuracy, implementation costs, training needs, and the risk of over-reliance on automated systems. This session will provide a balanced look at both the opportunities and potential pitfalls of applying AI in fabrication shop quality control, and discuss practical steps for assessing whether AI tools are a good fit for their operations.	04/23/2026	9:45 am	QualityCon [QC]	Matthew Haaksma, Loren Thomas
The Rest of the Story: Backstories Revealed for Some Big Events at the Intersection of Engineering and Journalism [CS11]	This panel will delve into previously untold stories for high-profile events, such as the structural fix of the Citicorp Center in New York City, a construction collapse at the University of Washington stadium, the World Trade Center attack and aftermath, the foundation retrofit of Millennium Tower in San Francisco, and several more, as seen through the eyes of engineers in the media spotlight and a veteran journalist. Learn not only backstories of some of the most historic happenings in the last 50 years but also how to provide productive interviews with journalists when events are particularly challenging.	04/22/2026	1:45 pm	Case Study [CS]	Nadine Post, Jon Magnusson, SE, Ed DePaola, Ronald Hamburger, SE, Charles Carter, SE, PE, PhD

The Steel of the Future: Innovation, Community, and the Future of a Critical Industry [G5]	Forget outdated perceptions! Today's American steel mills are at the forefront of innovation, driving economic development, fostering vibrant communities, and leading the way in sustainability and workforce development. Join executives from leading steel producers as they pull back the curtain on the dynamic realities of modern steel manufacturing. This panel will reveal how cutting-edge technologies, unwavering commitments to safety, and deep community engagement are reshaping the industry, demonstrating that the steel mill of today is a high-tech, high-impact enterprise unlike any you've imagined.	04/23/2026	9:45 am	Sustainability [G]	Luke Faulkner, Barry Schneider, Brad Ford, Scott Meaney
The Turn-of-Nut Method: Why We are Still Getting it Wrong [EW22]	More than 60 years after its approval by the RCSC, the turn-of-nut method is widely misunderstood and done incorrectly. This session breaks down the most common errors, clarifies the specifications, and provides a step-by-step guide to performing the method correctly. Exhibitor Workshops do not offer PDH credits	04/24/2026	7:00 am		
Thermal Breaks in Structural Steel [C13]	Thermal breaks have become more common in steel building construction in many parts of the country. In many applications proprietary thermal break products are incorporated into the structural building system. The types of products and applications vary, and proper specification, pricing, design, and construction of thermal break connections can be challenging. This session will present the results of a Colorado steel committee, comprising structural engineers, fabricators and erectors associated with SEAC and the Rocky Mountain Steel Construction Association, which researched the most common products, applications, and design methods currently in use in the Rocky Mountain market and identified common challenges and best practices for use of thermal breaks in steel buildings.	04/22/2026	10:15 am	Connections [C]	Wyatt Soeffing, Alex Stone, Eric Sobel, PE, SE
Thin and Thinner: Steel Deck on Cold Formed Steel Structural Systems [H5]	Fast and light - steel deck on cold-formed steel represents extreme lightness and speed. Learn the ins-and-outs of the marriage of these materials, and how to capitalize on the extremes in your engineering practice.	04/22/2026	4:45 pm	CFS [H]	Samuel Richard, P.Eng., Thomas Sputo, Ph.D., P.E., S.E., Michael Martignetti, PE
Think Inside the Tube: Demystifying HSS Connection Limit States [C14]	Don’t let the unique mechanics of HSS connection limit states be an unsolved mystery. This session takes you inside the principles behind the code equations – from effective width to plastification - so you’ll know how and when to check each limit state. We’ll also highlight the latest specification updates and how they impact your designs. With practical examples, you’ll leave ready to tackle complex HSS connections and avoid the checks that are often overlooked.	04/22/2026	11:30 am	Connections [C]	Cathleen Jacinto
Three Fabricators Catch a Braves Game...Lessons Learned for Steel Fabrication All-Stars [QC10]	...but when you have these three knowledgeable and respected steel fabricators sharing their collective wisdom, it's a grand slam. Join us for some out-of-the-park lessons learned and a generous pour of game-time expertise, with answers to your steel fabrication questions as a home run.	04/23/2026	4:15 pm	QualityCon [QC]	Christian Crosby, Todd Alwood, Mark Trimble, Rick Cooper, David Zalesne

Timeless Lessons for Steel Construction Executives [Z13]	This session applies Warren Buffet and Charlie Munger's timeless wisdom to the realities of steel construction. We'll focus on what you can do (and what not to do) if you want your company to survive and thrive. Through several practical lessons, we'll explore the most common mistakes that destroy otherwise capable fabricators and erectors. Leaders will walk away with clear mental guardrails to help them avoid avoidable failure and build enduring companies.	04/23/2026	9:45 am	Business [Z]	John Schuepbach, John Sunderman
Tips and insights -- the evolution of the AISC Code of Standard Practice [M14]	The history of the AISC Code of Standard Practice can be very educational. How can design delegation work properly? How can you avoid changes in your projects? How can you manage the differences that sometimes occur between contract documents at bid and documents issued for construction? When do we need a meeting of parties to the contract on a project? What is and isn't structural steel – and why? These and other common questions have answers from recent improvements in the CoSP, which will be discussed from the perspectives of the engineer and the fabricator by members of the AISC Committee on the Code of Standard Practice.	04/23/2026	11:00 am	Manuals, Standards, and Design Guides [M]	Charles Carter, SE, PE, PhD, Wade Lewis, Kirk Harman, SE, PE
Tips for Engineers on Improving the Erectability of Their Designs [N48]	Everyone knows time is money. In this fast-paced session, designers will hear practical advice from a leading fabricator/erector on how to improve their designs (and especially their connections) to make them faster and easier to erect. The session will look at specifications; safety; erector- and fabricator-friendly connections; field welding guidelines; and the use and impact of BIM.	04/23/2026	3:00 pm	Design & Analysis/Engineering [N]	Caitlin Makin, Dave Isaacson, SE, Chet Anderson
Top 10 Signs You're Not Ready to Sell Your Steel Company [EW27]	Thinking of selling your company someday? Before you do, get an honest assessment of how prepared you are. We've guided hundreds of business owners through successful exits, including many in steel fabrication and manufacturing, and know the factors that often make or break them. In this session, we'll walk through the 10 most common signs that an owner isn't ready to sell, from organized financials to understanding what buyers in the steel industry are willing to pay to reducing owner dependency. The difference between thinking you're ready and actually being ready can cost you millions. You'll leave with a clear understanding of where you stand and what to address before going to market. Exhibitor Workshops are not eligable for PDH credits	04/24/2026	11:00 am		
Turning Errors into Insights: Leveraging Non-Conformance and Quality Data in Structural Steel [QC6]	In the fast-paced world of structural steel fabrication and construction, quality issues and non-conformances are inevitable—but they also present valuable opportunities for improvement. This session explores how to systematically capture, analyze, and act on data gathered from non-conformance reports and quality incidents.	04/23/2026	9:45 am	QualityCon [QC]	Roger Abercrombie, Art Bustos
Understanding Detailing for Project Managers [D7]	This session will go through everything project managers need to understand what is needed on a project to make a project go as smooth as possible. We will discuss everything from what is detailing, how detailing is performed, detailing workflows, estimating for detailing, etc.	04/23/2026	1:45 pm	Detailing [D]	James Bennett

Understanding How the Code of Standard Practice Impacts Your Work [F8]	In this presentation, we will discuss the importance of the AISC Code of Standard Practice at contract formation and what to look for in the contract documents that may impact your rights and remedies under the Code. Included will be a discussion of how the Code is developed and revised, examples of changed provisions in the latest Code, and a discussion of efforts to modify provisions in the Code to better clarify duties and obligations.	04/23/2026	1:45 pm	Fabrication & Erection [F]	Edward Seglias, Esquire, Jason Copley, Esquire
Understanding the Business of Integrated Project Delivery (IPD) [Z12]	This session focuses on the Integrated Project Delivery (IPD) process from the steel contractor's perspective, including looking at several case studies. Attendees will learn about the risks and benefits of participating as a trade partner at risk. Attendees will gain an understanding of the IPD process and will better understand the trade partner's role in the design and construction phase.	04/24/2026	11:00 am	Business [Z]	Dave Farrell
Unlock Intelligent Construction: The Future of Connected Productivity [EW19]	Join us for an overview of how Trimble's connected solutions in 2026 are designed to transform how you work. We will explore how new AI-driven technologies and cloud workflows are being integrated to automate manual tasks and collaborate easier. Discover how the latest releases of Tekla Structures and Tekla PowerFab are breaking down barriers between the detailing office, fabrication shop, and the field. Exhibitor Workshops do not offer PDH credits	04/23/2026	3:00 pm		
Unlocking Efficiency: Automated Blasting and Painting for Modern Steel Production [EW8]	Still painting your steel structures manually — or even directly onsite? If you want to set a new benchmark in steel fabrication, it’s time to rethink the way you approach surface treatment. Manual painting is slow, inconsistent, and often results in overspray, rework, and excessive material consumption. With Kaltenbach’s fully automated blasting and painting systems, you achieve a highly efficient, repeatable, and cost-optimized process — applying precisely the right amount of coating exactly where it’s needed. But automation doesn’t stop at surface treatment. Modern steel fabrication increasingly relies on integrated material handling solutions that connect sawing-drilling, plate processing, and blasting/painting lines into a continuous, streamlined workflow. By eliminating manual handling and enabling fully automated transport between multiple processing stages, you can achieve significantly higher throughput, improved accuracy, and optimized use of labor. In this workshop, you will discover: • What makes automated blasting and painting systems superior to manual processes • The role of intelligent material handling automation, ensuring smooth, continuous flow between different production stages • How integrated lines combine sawing-drilling, plate processing, and surface treatment for maximum efficiency • Use cases from leading steel fabricators • When automation is worth the investment — including ROI considerations and productivity benchmarks • Insights into our scanning and control technology, enabling precise detection of part size, geometry, and attachments • How intelligent coating application reduces paint consumption and prevents overspray • Best-practices to select the right pumps, nozzles, and paint systems — whether water- or solvent-based Exhibitor Workshops do not offer PDH credits	04/22/2026	1:45 pm		

Updates on the State-of-the-Art in Column Baseplate Design in High Seismic Regions [E8]	The force demand of SMF base connections in high seismic areas often requires specialized detailing and foundation embedment. This session presents current research and reviews design and detailing examples to appropriately accomplish this important connection.	04/22/2026	4:45 pm	Seismic [E]	Ahmad Hasaan, Ph.D., P.E.
Weathering the Elements: Advances in Bridge Corrosion Protection and Design [B20]	Steel bridges are expected to perform for generations, and corrosion protection is central to achieving that durability. This session explores both the evolution of uncoated weathering steel (UWS) design guidance and the broader landscape of bridge corrosion protection systems. The first half of the session highlights upcoming updates to the NSBA Uncoated Weathering Steel Reference Guide, including a new appendix on conducting site-specific studies and refined flowcharts for evaluating environmental suitability based on chloride exposure, humidity, and microclimatic factors. Attendees will gain practical insight into how these updates simplify decision-making and align with modern service-life design practices. The second half provides a clear, side-by-side overview of the four primary corrosion protection systems for steel bridges: uncoated weathering steel, liquid-applied paint systems, metallizing, and galvanizing. The discussion will focus on how each system works, what differentiates them, and where each excels in balancing performance, aesthetics, and relative cost. Together, these presentations provide a comprehensive look at current best practices for protecting steel bridges from corrosion—from environmental evaluation to material selection and maintenance planning.	04/24/2026	11:00 am	Bridges [B]	Jeff Carlson, PE, Jennifer McConnell, PE, PhD
Welcome Reception	Kick off the conference with a networking extravaganza in the exhibit hall. Join us for a special preview of what exhibitors will offer and experience the latest trends in software, coatings, connection products, and more--plus refreshments, hors d'oeuvres, and excellent company!	04/22/2026	5:30 pm		
Welding Procedure Qualification Down the Rabbit Hole: What the 2025 D1.5 Really Requires [QC18]	Navigating WPS qualification under the 2025 AASHTO/AWS D1.5 Bridge Welding Code can feel like going down a rabbit hole. This session addresses commonly misunderstood provisions, highlighting changes made in recent editions of the code and addressing differences between the AASHTO/AWS D1.5 Bridge Welding Code and the AWS D1.1 Structural Welding code.	04/23/2026	11:00 am	QualityCon [QC]	Heather Gilmer, Art Bustos
What A Span! Deep Deck Applications [N49]	New research combined with newly available commercial products is making the use of steel deck with longer spans economically advantageous. At last year's conference, Matt Etherton and Sam Easterling went deep (no pun intended) into the theoretical side of long span decks. This year's session will recap that information but will focus on the practical design requirements and the currently available products.	04/23/2026	4:15 pm	Design & Analysis/Engineering [N]	Victor Esty, Ben Landis, Alex Therien, AIA, LEED AP
What AISC Can Do for You [CAPS1-5]	This session is only open to registered CAPS participants. As part of the CAPS curriculum, this session will explore and highlight AISC initiatives including Workforce Development, Fabricator Education, Technology, and other AISC member benefits. Attendees will learn how their companies can	04/23/2026	1:45 pm	CAPS 1	Jennifer Traut-Todaro, Todd Alwood, Joel Landsverk, Luke Faulkner, Yasmin

	other AISC member benefits. Attendees will learn how their companies can benefit from these programs and how to access them. [CAPS 1-2]				Chaudhry, P.E., Charmaine Osborne, CAE
What Are the Common Problems on Projects That Steel Fabricators Must Avoid? [L4]	This program will showcase four projects where the project team could have--and should have--avoided issues or problems that led to financial impacts.We will provide background information about the project, the issues that arose, and how they were mishandled. We will then discuss actions that should have been taken to avoid or mitigate the impacts.	04/23/2026	4:15 pm	Legal [L]	Edward Seglias, Esquire, George E. Pallas, Esquire
What Has Clark Been Up To? [T1]	Come and have a talk with AISC's chatbot, Clark. See what new skills it's learned since the last time you checked in and try to stump it. In addition to hearing about Clark's newest features and skills, learn about wider AI trends and available tools to help in your AI journey. Attendees will learn about the current AI landscape as it applies to the design and construction of steel structures, tools that are currently available, and future plans for Clark and AISC.	04/22/2026	10:15 am	Technology [T]	Luke Faulkner
What You Need to Know About the Code of Standard Practice [CAPS1-6]	This session is only open to registered CAPS participants. Whether you have just started in this business or been around for a couple of years, the Code of Standard Practice is a critical resouce for you in this business. This document provides trade practices for those involved in the design, purchase, fabrication, and erection of structural steel. This session will provide an overview of all sections of the Code. [CAPS 1-3]	04/23/2026	4:15 pm	CAPS 1	Jake Thomas
What’s New and What Matters in AWS D1.1 and D1.7: Structural Steel Welding for New and Existing Structures [M9]	Discover what’s new in structural welding codes with a deep dive into the 2025 edition of AWS D1.1 and the newly overhauled 2024 AWS D1.7. This session breaks down key changes to D1.1 and explores how the significantly revised D1.7 Guide enhances approaches to strengthening and repairing existing steel structures. Whether you're working on new builds or retrofits, stay current with the latest standards shaping the future of structural welding.	04/23/2026	3:00 pm	Manuals, Standards, and Design Guides [M]	Travis Green, PE, SE
What's New in the Updated Design Guide 1: Base Connection Design [M15]	AISC's popular Design Guide 1, Base Connection Design for Steel Structures has been updated to its third edition and has a broader scope than ever before. Included in this session will be a review of the latest version, new data about seismic response of base connections, recommended improved design processes, the development of models for analysis, and an examination of other deficiencies.	04/24/2026	11:00 am	Manuals, Standards, and Design Guides [M]	Amit Kanvinde, PhD, Josh Buckholt, PE, SE
What's Your Weld Sign? [C15]	Welds are a common way to connect two pieces of steel together. However, design of welded connections is not a topic that is taught at many universities. This session will cover essential topics that the structural engineer often does not understand but must know for development and execution of construction documents. Topics covered will be help the structural engineer understand prequalification versus qualification, which filler metal strength to specify and why, preheat and post-heat, and properly specifying throat size in groove welds.	04/23/2026	3:00 pm	Connections [C]	Curtis Decker PE, SE, PhD

When It Doesn’t Meet Code: Evaluating, Accepting, or Repairing [QC2]	This session addresses the question, "What do you do when something doesn’t meet code?" We will explore the involvement of the Engineer of Record (EOR) and the process of a fitness-for-service evaluation. The discussion will cover the distinct roles of inspectors and engineers, the EOR's discretion in applying alternative acceptance criteria, and the rationale behind choosing these alternatives over repairs or replacements. The session will also include relevant case studies.	04/22/2026	11:30 am	QualityCon [QC]	Duane Miller, Sc.D., NAE, Lisa Patel
Winning Sales Strategy for Steel Projects [Z10]	This session will provide a high-level overview of an effective sales process tailored for steel fabrication firms and address every salesperson’s question, “I could be more effective if…”. Speakers will highlight the critical steps that drive profitable project wins. The session will focus on two or three key aspects—such as identifying the most desirable projects, targeting the right customers, and differentiating through partnership and relationship development. Attendees will leave with actionable insights for prioritizing sales efforts, improving effectiveness, and suggestions for ensuring a smooth transition from winning the job to executing it successfully.	04/23/2026	4:15 pm	Business [Z]	Mike Senneway, Doug Jones
Wrap up for the Career Accelerator Program for Steel (CAPS) for 2026 [CAPS-ALL]	This session is only open to registered CAPS participants. This session will serve as a wrap up to AISC's Career Accelerator Program for Steel (CAPS) for all cohorts at the 2026 Steel Conference. CAPS participants will be exposed to various topics critical to a career in the structural steel industry ranging from basic management principles to crucial understanding of AISC technical documents. This session will offer all 2026 cohorts the opportunity to participate in a open discussion on what they learned and how we can improve CAPS.	04/24/2026	9:45 am	CAPS 1, CAPS 2, CAPS 3	Mark Holland, P.E., Christian Crosby
You Have Questions, We Have Answers: What’s New in Stainless Steel [M10]	The newly released 2025 versions of the Stainless Steel Specification (AISC 370) and Code of Standard Practice (AISC 313), updated based on the latest research and user feedback, bring structural stainless steel design into better alignment with AISC 360-22 and 303-22. This Q&A-style session will address common questions about the revised Specification and Code, including alloy applications, seismic design, and bolted and welded connections.	04/23/2026	11:00 am	Manuals, Standards, and Design Guides [M]	Francisco Meza, PhD, Benjamin Baer
Zero Surprises: Building a Culture That’s Always Audit-Ready [QC5]	Successful audits don’t happen by accident — they’re the result of consistent processes, clear communication, and a culture where quality and documentation are part of daily operations. Being “audit-ready” means your team, your records, and your workflows can withstand scrutiny at any time, not just when a visit is scheduled. This session will explore how fabrication and erection companies can build, strengthen, and sustain a culture that supports continuous audit readiness.	04/22/2026	4:45 pm	QualityCon [QC]	Zane Keniston, Loren Thomas, Anthony Phillips