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April 11, 2025
NASCC: The Steel Conference 2025

Title	Description	Date	Start Time	Track List	Speaker(s)
SSRC Welcome Session [SS1]	Chair Craig Quadrato will give a short speech welcoming attendees to the SSRC Annual Stability Conference.	04/01/2025	12:00 pm	SSRC Annual Stability Conference [S]	
Analysis Methods I [SS2]	Paper 1: Sandor Adany, "Critical moment of doubly-symmetric beams with prebuckling deflection: the effect of intermediate supports " Paper 2: Kim Rasmussen, "The Modal Finite Strip Method (mFSM) for Buckling Mode Decomposition of Built-up Members: Applications and Examples" Paper 3: Morane Chloé Mefande Wack, "On the definition of geometric imperfections in the F.E. modelling of local buckling in hot-rolled channel sections." Paper 4: Cristopher Moen, "Thin shell finite element formulations implemented in open-source software"	04/01/2025	12:10 pm	SSRC Annual Stability Conference [S]	Sandor Adany, Morane Chloé Mefande Wack, Cristopher Moen, Kim Rasmussen
Constructability Design Requirements for Steel I-Girder Bridges [BW1]	Do you have questions on the constructability design requirements for steel I-girder bridges? If so, we have a can’t-miss pre-conference workshop for you--and it only costs $15! From 1:00 to 5:00 p.m., we’ll discuss constructability design requirements for steel I-girders bridges that the engineer of record should consider during new bridge designs, specifically when the steel bridge is erected but the deck is not fully composite. While the AASHTO LRFD Bridge Design Specifications provide basic requirements, capacities, and load cases for use during the noncomposite phase of an erected steel bridge, the level of detail and understanding required for complete design goes beyond the specifications. Through presentations and design examples, we will dig into topics such as flexural resistance of noncomposite sections; applicable loadings including the effects of deck overhang brackets; load factors and limit states; global system buckling; cross-frame and lateral bracing stability requirements; girder deflections; and staged construction considerations. Bridge engineers who design steel I-girder bridges, as well as those who perform construction engineering computations, will find the material provided in this workshop to be very beneficial. After all that hard work, we’ll take some time to relax and network with an exclusive reception only for workshop participants from 5:30 to 7:30 p.m.! This workshop requires pre-registration. Registration is capped at 250 attendees. This workshop has a $15 fee and all proceeds will be donated to the AISC Education Foundation.	04/01/2025	1:00 pm	Bridges [B]	Ryan Jenkins, Tony Ream, Brandon Chavel, Francesco Russo

Analysis Methods II [SS3]	1. Victor Popa, "Nonlinear GBT for thin truncated conical shells with circular cross-section" 2. Andres Sanchez & Ryota Matsui, "AIJ Structural Stability Topics in Steel Structures: Summary of the AIJ-SSRC Collaboration Effort" 3. Zhidong Zhang, "Mechanics-informed data-driven prediction model of steel column strength" 4. Rodrigo Gonçalves, "On the structural behavior of tapered thin-walled convex polygonal tubes with deformable cross-section"	04/01/2025	1:15 pm	SSRC Annual Stability Conference [S]	Rodrigo Gonçalves, Victor Popa, Zhidong Zhang, Telmo Andres Sanchez, Ryota Matsui
Fundamentals of Stability for the Design of Metal Structures	The high-strength and stiffness-to-weight ratios of structural metals, such as steel and aluminum, make them ideal design materials. Throw a consideration for economy into the mix, and the result often includes relatively slender members and systems in which structural stability is of primary concern. In fact, a quick review of any metal specification will convince you of the need to know at least the fundamentals of stability. With all of this in mind, this course will provide an overview of the behavior of compression, flexural, and beam-column members as well as an introduction to system stability. Several strength limit states will be covered, including elastic and inelastic flexural, lateral torsional, and flexural-torsional buckling as well as full cross-section yielding. With an eye toward design, the difference between a bifurcation and an instability resulting from a loss in stiffness due to second-order effects and material yielding, as the maximum resistance of physical structures is approached, will be emphasized. A full range of topics, including the direct analysis and effective length methods, will be reviewed. This session requires registration. Registration is capped at 100 attendees. The cost is as follows: Pre-Registration: $275 members | $400 non-members On-Site Registration: $325 members | $450 non-members	04/01/2025	2:00 pm	SSRC Annual Stability Conference [S]	Perry Green, Ronald Ziemian
SSRC Task Group Meetings I [SS4]	SSRC Task Groups 2 and 5 will meet to discuss upcoming acitivties, research status, and progress on the next edition of the SSRC Stability Guide. TG02 (Members): Room M109 TG05 (Thin-Walled Structures): Room M110	04/01/2025	2:30 pm	SSRC Annual Stability Conference [S]	
SSRC Task Group Meetings II [SS5]	SSRC Task Groups 3, 4, and 6 will meet to discuss upcoming acitivties, research status, and progress on the next edition of the SSRC Stability Guide. TG03 (Systems): Room M106 TG04 (Bridges): Room M109 TG06 (Extreme Loads): Room M110	04/01/2025	3:45 pm	SSRC Annual Stability Conference [S]	
SSRC Annual Business Meeting [SS6]	The Annual Bussiness Meeting of SSRC, conducted by Chair Craig Quadrato, will review the activities of the council, discus budgeting changes in 2025, and welcome input from members.	04/01/2025	5:00 pm	SSRC Annual Stability Conference [S]	
CAPS Reception (Private Event - Invite Only)	We welcome Career Accelerator With Steel (CAPS) participates to join us for an opening reception in the Seelbach Hilton - Rathskellar Room on Tuesday, April 1 from 5:30 - 7:00 p.m. We will have a badge printing kiosk at the reception! Intereested in applying for next year? Please see information on the CAPS program here. This event is only open to CAPS program participants.	04/01/2025	5:30 pm		

SSRC Task Group Overview [SS7]	Following the afternoon meetings, the SSRC Task Groups will report out on the progress they have made towards their individual goals.	04/01/2025	6:00 pm	SSRC Annual Stability Conference [S]	
MAJR Medal Presentation [SS8]	The winner of the 2024 SSRC MAJR Award will present a talk entitled: "Coupled Instabilities of I-Girders: Reviewing the Design Guidelines" Lakshmi Subramanian is an Assistant Professor at the Indian Institute of Technology Madras. She did her doctoral and post-doctoral work at Georgia Institute of Technology, before which she worked with Walter P. Moore and Associates in Houston, Texas. She is a licensed professional engineer in the state of Texas. Her research primarily focuses on the stability of steel structures, structural fire engineering, and metal additive manufacturing through experimental and numerical investigations. She is passionate about teaching structural stability and has conducted several courses on steel design and structural fire engineering in India. She is a member of SSRC, AISC, the structural safety sectional committee in the Bureau of Indian Standards, a life member of the Indian Institute of Bridge Engineers, and the Institute for Steel Development and Growth in India.	04/01/2025	6:30 pm	SSRC Annual Stability Conference [S]	
SSRC Social Hour [SS9]	SSRC welcomes everyone to attend a social hour to celebrate the beginning of the Annual Stability Conference. Light refreshments and drinks will be provided.	04/01/2025	7:00 pm	SSRC Annual Stability Conference [S]	
Architecture Tour and Tasting	This event is only open to Architects. Join us for an exclusive evening at Rabbit Hole Distillery, where architecture meets craftsmanship. The event will begin with a guided tour of the distillery, showcasing its use of steel and stunning design. Following the tour, enjoy a reception with appetizers and a curated selection of drinks, including a tasting of Rabbit Hole's finest bourbons. This event offers a unique opportunity to network with architects, real estate developers, and investors from the Greater Louisville region. Whether you're here for the architecture, the connections, or the bourbon, it promises to be an evening of inspiration and camaraderie. This event is included in your Architecture in Steel conference registration—no additional payment is required. If you'd like to attend only the tour and tasting event, please follow the link to register and await confirmation of your participation as capacity is limited to 120 attendees. Register here	04/01/2025	7:00 pm		
Speaker / Moderator Breakfast	This breakfast is only open to Speakers and Moderators Join us for this casual breakfast for speakers and moderators. It's an opportunity to meet other speakers and moderators, hear last minute details, and get any questions answered.	04/02/2025	6:45 am		
How To Be Real When Working Virtually [K1]	Everything's different when you commute down a hallway instead of a highway. To create a truly distinctive personal brand while delivering value to stakeholders, you need to build strong virtual connections with real people. In this timely presentation, personal branding expert and best-selling author William Arruda shares the five biggest mistakes professionals make when trying to foster and bolster relationships online. He then provides practical techniques for being seen when you're out-of-sight, delivering online	04/02/2025	8:00 am	Keynote [K]	William Arruda

	presentations that make an impact, and amping up the humanity when engaging with WFH colleagues, clients, and staff. When you apply a daily dose of what you learn, you'll be known as the master of virtual communication while becoming the envy of those who haven't made the transition from real to virtual.				
Optimizing Equipment Safety & Performance [EW2]	Presented by: Engineered Rigging Safe equipment is vital to a safe workplace--and the experts at Engineered Rigging have the practical knowledge to make it happen. Learn about the impact of equipment failure and malfunctions; the employer's responsibility to mitigate jobsite risks and optimize safety by ensuring equipment is in good working condition; the challenges of maintaining high-pressure hydraulic equipment and common hidden issues; the difference between dynamic and static testing; and the benefits of preventive equipment maintenance. Exhibitor Workshops are not eligible for PDH credits	04/02/2025	10:15 am		
Real Projects, Real Impact: From Design to Delivery with Autodesk [EW1]	Presented by: Autodesk Tighter margins, increasingly complex projects—the pressure on structural engineers keeps growing. See how BIM and integrated engineering workflows are transforming the way steel projects are delivered, through the lens of a real-world example. Discover how one structural engineer uses the Autodesk platform to streamline workflows, enhance collaboration, and automate tasks—driving even the most complex projects to successful completion. Exhibitor Workshops are not eligible for PDH credits	04/02/2025	10:15 am		
Ensuring the Safety of Employees Sent to Work in Customer Facilities [Y1]	At times it may become necessary to send your shop workers to a customer facility for any of a variety of purposes, be it for construction, testing, installation, repair work, or other. Are you sending your employees into a black box? While you have control over the safety at your own facilities, insuring the safety of workers sent to customer sites where the customer controls the site can be challenging. Customer sites can be rife with surprising and unexpected hidden hazards that the site operator may or may not be aware of, and may or may not communicate to your team. Learn how to meet the challenge of keeping employees who customarily work in a shop environment but are sent to work in customer facilities safe. Some rather interesting and unique case studies will be shared in illustration during this interactive discussion.	04/02/2025	10:15 am	SafetyCon [Y]	Connie Muncy
Innovating Steel Construction: Additively Manufactured Connections in the AISC AM Bridge [I1]	This session will explore the cutting-edge use of gas metal arc additive manufacturing (GMAAM) in the creation of steel components for structural applications, with a focus on its implementation in the AISC AM Bridge (which is on display at the AISC booth in the exhibit hall). This bridge serves as a tangible demonstration of how additive manufacturing (AM) can revolutionize steel construction.	04/02/2025	10:15 am	Innovations [I]	Justin Binder, Amanda Dodge

SpeedCore - The Need for Speed Part 1: Analysis and Strength [N17]	The 2022 Specification and Seismic Provisions greatly enhanced the design criteria for SpeedCore lateral systems. This enables the system's schedule and construction benefits to be utilized more readily on a wider array of project throughout the country. This session is part one of two reviewing the new code-prescriptive design requirements for both wind and seismic applications, including system proportioning, load determination, and wall strength design.	04/02/2025	10:15 am	Design & Analysis/Engineering [N]	Joshua Mouras
Introduction to Career Accelerator Program for Steel [CAPS1-1]	(This session is only open to CAPS registrants) This session will serve as an introduction to AISC's Career Accelerator Program for Steel (CAPS). Participants in the CAPS program 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. Attendance at this session is by invite only and is only open to accepted members of the CAPS program.	04/02/2025	10:15 am	CAPS 1	Mark Holland
Beyond the Blueprint: Unconventional Journeys in Design and Construction [N2]	Come hear a lively and fascinating panel discussion featuring young(ish) professionals who have charted unique paths beyond traditional structural engineering roles. Our panelists will share their personal stories and experiences as they've transitioned from engineering fundamentals to innovative and diverse careers within the AEC industry.	04/02/2025	10:15 am	Design & Analysis/Engineering [N]	Jason Harlan, Rob Johel, Holly Schaubert, Alex Morales
A Landmark Case Study on Steel Reuse: the Boulder Community Hospital [G1]	Is it possible to dismantle a building, stockpile all of the steel, and then reuse it on a variety of other projects? The Boulder Community Hospital is a landmark project for the advancement of steel recovery and reuse in the Unites States. Hear from the project team as they share their approach to developing a unique steel deconstruction specification, establishing material testing protocols, and cultivating a reuse market in Boulder, CO. Attendees will gain valuable insights into the strategies and execution that made this project a success.	04/02/2025	10:15 am	Sustainability [G]	Zac Brownson
To 3, or Not To 3 [E7]	Specifying a seismic force resisting system (SFRS) with R greater than 3 results in designing for less force. However, it comes at a price! The connections are more expensive due to more stringent strength and detailing requirements. At the same time, foundations can be sized for smaller loads for R-greater-than-3 systems. This session will examine this trade-off and how the selection of a SFRS affects the total building cost, not just the steel tonnage.	04/02/2025	10:15 am	Seismic [E]	John Hooper, Ron Hamburger
A New Look for Kentucky Basketball [CS1]	Just as time is the enemy of every athlete, it does no favors to aging sports arenas. But unlike athletes, facilities can be not only modernized but upgraded. Rupp Arena, known around the hoops world as the home of the University of Kentucky basketball program, has a storied history that was recently refreshed with a $250 million renovation, including new convention center space, upgraded amenities, and a new facade. This session focuses on the dynamic relationships between multiple national and local design firms that brought a new look to Kentucky basketball while also adding versatile	04/02/2025	10:15 am	Case Study [CS]	Matt Weekley

	convention center space.				
How to Be an Effective Engineering Expert Witness [L2]	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.	04/02/2025	10:15 am	Legal [L]	Robert Kaler
Architectural Design of the Dublin Link Pedestrian Bridge [A1]	This session will walk throught the process followed in the conception, planning, architectural design, engineering design and construction of the Dublin Link Pedestrian Bridge.	04/02/2025	10:15 am	Architecture [A]	Dan Fitzwilliam, Paul Endres
Marrying Membranes to Steel Structures [A6]	Steel structures and tensile membranes have long been partners, serving complementary functions. Traditionally, steel columns support tensile membranes, but with advancements in membrane structures, steel has also progressed to encompass steel cable nets with integrated membranes. This presentation will delve into the synergy of steel cable nets and frame systems with tensile membrane structures, examining various specialized shapes and the intricate detailing required for these adaptations, from hyperbolic paraboloids to conoids. It will also cover the wide range of materials available, from various coated fabrics to different cable materials and their systems, and how detailing varies according to the different materials and structural conditions. To describe these approaches, three projects will be discussed as case studies: 1) the Sun Valley Pavilion, a steel frame structure in tension supporting a cable net with wood and membrane cladding; 2) the new Microsoft Rapid Transit Station Pedestrian Bridge, a covered pedestrian and bike bridge using a combination of frame and tensile elements to span 1,200 feet in length and fifty feet in width; and 3) the new Domino Square Cable Net to provide a shade cover for events in the new Domino Square, Brooklyn.	04/02/2025	10:15 am	Architecture [A]	Nic Goldsmith
You Oughta Know [C1]	This fast-paced and insightful session shares a look at what every engineer oughta know to elevate your steel projects. You'll gain must-know information and strategies for effective project execution, from smart connection design to streamlined problem-solving techniques. Plus, get a taste of Louisville's local highlights (Carol's hometown!) so you can make the most of your time at the conference. Don't miss this chance to walk away with tips that keep your projects on track—and leave a great impression behind! (And maybe a few new favorite places in town too!)	04/02/2025	10:15 am	Connections [C]	Carol Drucker
Connection Design Basics for Steel Detailers [D1]	An overview of engineering information related to steel connection design that is helpful to steel detailers, providing background information and explanation of various aspects of connection design. Examples include the use of ASD or LRFD, engineering principles related to beam shear loads and simple shear connection as well as an overview of deflection, camber and composite beams, providing attendees with knowledge of different connection types and the best solutions for connections of different load	04/02/2025	10:15 am	Detailing [D]	Tyler Sease

	types. Attendees will gain a better understanding of engineering principles behind different connection types, which will be useful in detailing connections on future projects and understanding limitations of certain connection types.				
Bridges [S1]	1. Israel Barreto, "Stability design considerations for cold-formed Z-sections in composite floor systems" 2. Aanandh Nandakumar, "Influence of residual stresses on the strength of horizontally curved steel I-girders" 3. Don White, "Practical Stability Design of General I-Section Members for Combined Forces" 4. Sivaganesh Selvaraj, "Reuse Design of CFS Columns Subjected to Interaction Buckling for the Application of Circularity in Construction"	04/02/2025	10:15 am	SSRC Annual Stability Conference [S]	Israel Barreto, Aanandh Nandakumar, Don White, Sivaganesh Selvaraj
Building Your Future Leaders [Z11]	In the business of structural steel construction, we are experts at building structures…extraordinary structures, complex buildings and unbelievable bridges that defy our understanding of the laws of physics. We can apply the same determination and pragmatism to become experts in developing our future leaders. This session will provide insights on how to develop the next generation of leaders in our organizations.	04/02/2025	10:15 am	Business [Z]	Christian Crosby
Certification Forum [QC1]	Join us to kick off QualityCon and learn about all the new developments in AISC Certification, including revisions to AISC documents, updates to our Governing Requirements, and more. Attendees will have the opportunity to get answers to their certification and audit-related questions.	04/02/2025	10:15 am	QualityCon [QC]	Joel Landsverk, Todd Alwood, Lisa Patel, Larry Martof
Kentucky Transportation Cabinet Welcome & Project Highlight [B1]	Kentucky is excited to host this year's Steel Conference and World Steel Bridge Symposium. This session will include a welcome by the Kentucky Transportation Cabinet, and will also delve into two recent innovative projects: Kentucky's first progressive design build project that includes replacing the KY 8 Bridge over the Licking River with a signature bridge type and Kentucky's final link in the Appalachian Corridor Q - the Russell Fork Bridge.	04/02/2025	10:15 am	Bridges [B]	Taylor Perkins, John Michael Johnson, Brad Robson, Adam DeMargel, Connor Ellison, Jason Stith
Design Guide 7 - Industrial Building Design [M10]	The third edition of Design Guide 7 was updated in 2019 to conform to the 2016 AISC Specification and the 15th Edition Steel Construction Manual, as well as to provide new material. This session will provide an overview of the design guide, highlighting structural guidance that can be found for conventional industrial buildings, with and without overhead cranes. This session will also discuss roof systems, wall systems, bracing systems, serviceability criteria, fatigue concerns for crane runways, and design examples found in the design guide.	04/02/2025	10:15 am	Manuals, Standards, and Design Guides [M]	Mitchell Behnke
Fabricator Roundtable [F16]	(Please note: This session is only open to fabricator attendees.) 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!	04/02/2025	10:15 am	Fabrication & Erection [F]	Hope Hrabowy

The Basics of AI [T1]	Join us for an engaging session to demystify the fundamentals of Artificial Intelligence (AI) related to structural steel. As technology continues to advance, understanding AI has become essential across various fields. This session will cover the basic concepts of AI, different types of AI systems, and their real-world applications from design to fabrication.	04/02/2025	10:15 am	Technology [T]	Cristopher Moen, Zhidong Zhang
Winning in Pre-Construction: Forty Ideas in 40 Minutes for Your Next Structural Steel Project [F2]	This session will review and discuss some best practices during the Pre-Construction Process to actively participate in the process and be more successful at closing the deal.	04/02/2025	10:15 am	Fabrication & Erection [F]	Bill Andrews
The Hidden Cost of Injuries [Y2]	Over 5,000 US workers suffered fatal occupational injuries in 2023. According to the National Safety Council, a workplace injury occurs every 7 seconds in our country. What are the true costs of these injuries when we consider their financial, operational, cultural, and health-related impacts? A data-driven discussion will explore the answers to these questions. The human toll of a workplace injury is more difficult to quantify, yet it is important to recognize the ripple effect that a disabling injury or life lost at work can have on surviving family members and communities. This interactive session will provide opportunities for audience participation and a wide range of free, practical resources to prevent injuries on your jobsites.	04/02/2025	11:30 am	SafetyCon [Y]	Gavin West
Automation Software for Tekla PowerFab That Will Eliminate Errors and Enhance Inventory Control [EW4]	Presented by: CAI Software Join industry expert Mark Stewart to learn how Tekla PowerFab users can integrate software enhancements powered by CAI Software to eliminate errors in shipping, automate inventory processes, and save steel fabricators valuable time and money. Hear specific use cases from current Tekla users on their experience with these tools and what their ROI looked like. Exhibitor Workshops are not eligible for PDH credits	04/02/2025	11:30 am		
Master Steel Element and Connection Design [EW3]	Presented by: IES, Inc. 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, 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 PDH credits	04/02/2025	11:30 am		
Who is Responsible for That? (Or What the AISC Code of Standard Practice has	The AISC Code of Standard Practice is intended to be a "useful framework" when it comes to constructing projects using structural steel. One important aspect of the Code is to provide guidance regarding responsibilities for all of the parties involved in the construction project including the owner, architect, engineer, general contractor, fabricator, detailer, erector, and others. This	04/02/2025	11:30 am	Fabrication & Erection [F]	Tim Bradshaw

to Say) [F14]	session will review and discuss the different areas of responsibility of these parties and provide answers the qusetion of "Who is Responsible for that?".				
What AISC can do for You [CAPS1-2]	This session is only open to participants in the CAPS program. As part of the CAPS curriculum, this session will explore and highlight AISC initiatives including Workforce Development, Fabricator Education, Technology (among others), and other AISC member benefits. Attendees will learn how their companies can benefit from these programs and how to access them.	04/02/2025	11:30 am	CAPS 1	Joel Landsverk, Jennifer Traut-Todaro, Luke Faulkner, Yasmin Chaudhry, Charmaine Osborne
Construction AI: Practical Case Studies [D2]	This session will focus on practical AI case studies and AI use cases construction teams use on projects. It will help those in the construction industry cut through the fake hype of AI-washing marketing and look at practical examples of real projects that are using AI for construction. The session will briefly introduce key AI and data analytics concepts relevant to construction leaders. Reference material and citations will be provided for attendees to dive deep into the material later. Case studies will look at construction project specification analysis and detailed Request For Information (RFI) creation. Have you ever thought, 'Wouldn't it be great if there was some way to improve this tedious process specification review and RFI creation?' WELL, now there is! The session will provide clear examples of practical case studies of using AI tools on building projects for specifications analysis and generating RFIs on design documents reviewed. This session is designed to cut beyond the hype and provide clear, practical examples from real projects using AI for construction.	04/02/2025	11:30 am	Detailing [D]	William Ikerd, II, Hugo Lara
Real life AI applications for Structural Engineers [T2]	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."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."	04/02/2025	11:30 am	Technology [T]	Robert Otani
	This presentation will summarize new approaches for creating resilient and sustainable structures. Research on resilience highlights the development of structural systems that are able to be returned to use quickly after extreme events. Sustainable structures include systems that greatly decrease the amount of energy, material waste, pollution, and greenhouse gas emissions				

Resilient and Sustainable Structures [A8]	in construction and use of buildings and other structures. For resilient structures, the presentation will highlight work on developing systems that use replaceable, energy-dissipating components to absorb the energy from extreme events while enabling the remainder of the structure to remain free of damage. These components may then be replaced after the extreme event to enable speedy occupancy of the structure. For sustainable structures, research will be summarized on Design for Deconstruction through developing modular structural systems that may be taken apart at the end of the useful life of the structure so as to have the components refabricated and reused in future structures rather than recycled or scrapped. In addition, this presentation will highlight research on thermal break strategies for structural systems. By directly addressing resilience and sustainability in structural design, this work offers insights into how engineering innovations can be used to create a new generation of cost-effective solutions for the built environment.	04/02/2025	11:30 am	Architecture [A]	Jerome Hajjar
Fun with Fracture [B2]	Explore cutting-edge research and developments in steel fracture, namely ultra-high toughness steel and twin tub girder redundancy analysis. Understanding the fracture behavior of steel is essential for ensuring the safety, reliability, and performance of steel bridges. This session will delve into the latest advancements in assessing and improving the fracture toughness of steel as well as how ultra-high toughness steel can be leveraged as part of an integrated fracture control plan. In addition, an example implementation of reclassifying twin tub girders as system redundant members will be explored.	04/02/2025	11:30 am	Bridges [B]	Thomas Murphy, Matt Hebdon, Mojtaba Aliasghar
Inspection for Fabricators and Erectors: What Does the Building Code Require [QC2]	This session provides structural steel fabricators and erectors with a comprehensive understanding of building code inspection requirements. We'll explore key code provisions, detailing what inspectors look for at each project phase—from fabrication to final erection. Attendees will gain practical knowledge of essential inspection criteria, documentation practices, and compliance strategies to meet code standards and ensure the structural integrity and safety of their projects. Join us to clarify inspection expectations and enhance your quality assurance processes.	04/02/2025	11:30 am	QualityCon [QC]	Larry Kruth
Crane Runway Girders and Connections [N27]	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.	04/02/2025	11:30 am	Design & Analysis/Engineering [N]	Tim Bickel
Buildings I [S2]	1. Perry Green, "Is Your Industrial Building Structure Suitably Braced: Should the EOR be Concerned When Detailing and Fabrication Differ from Analysis, Modeling, and Design - The Sixth Study in a Series" 2. Iraj Hossein Pouli Mamaghani, "SEISMIC DESIGN OF PARTIALLY CONCRETE-FILLED STEEL TUBULAR COLUMNS" 3. Weijie Ning, "Investigation on load transfer mechanisms in concrete-filled steel tubular (CFST) columns with beam shear connections" 4. Lily Swanson, "Experiments to understand the impact	04/02/2025	11:30 am	SSRC Annual Stability Conference [S]	Perry Green, Weijie Ning, Lily Swanson, Iraj Hossein Pouli Mamaghani

	of local and global slenderness on inelastic deformation capacity of round HSS braces"				
Five reasons to write a Nonconformance Report [QC14]	This session will look at the role of Nonconformance Reports (NCRs) in quality management, from documenting deviations and investigating root causes to ensuring compliance and driving continuous improvement. Attendees will learn best practices for writing NCRs that effectively capture noncompliance issues and outline corrective actions. By understanding the strategic importance of NCRs, participants will be better equipped to prevent recurrence, uphold industry standards, and foster a culture of accountability and improvement within their organizations.	04/02/2025	11:30 am	QualityCon [QC]	Craig Doan
What you need to know about AISC 341 and the 4th Ed. Seismic Design Manual [M8]	Stay on the cutting edge of structural steel design for seismic zones with a review of the most important changes in the 2022 AISC Seismic Provisions--and an intro to the 4th Edition of the Seismic Design Manual, too. We'll cover what you need to know about adjustments to width-to-thickness ratio limits; new provisions for ordinary truss moment frames; improved cantilevered column guidance; provisions for the new coupled composite plate shear walls system (SpeedCore); a new appendix on nonlinear response analysis; and more!	04/02/2025	11:30 am	Manuals, Standards, and Design Guides [M]	Rafael Sabelli, Thomas A. Sabol
Architecturally Exposed Structural Steel: Best Practices for Clear Communication [A2]	Architects want architecturally exposed structural steel to meet their expectations when it comes to appearance, budget, quality, and structural integrity. The category system in AISC's Standard Code of Practice for Steel Buildings and Bridges can provide a superior project experience but requires all parties to engage in more effective communication. This presentation will focus on the discussions that need to take place between the Architect and the Fabricator in negotiating approaches to exposed steel detailing. There is always more than one way. Which is the best one?	04/02/2025	11:30 am	Architecture [A]	Terri Meyer Boake
Building a Culture That Builds PEOPLE [Z1]	The only way to take your business to the next level is to build your PEOPLE. The only way to build your PEOPLE is to establish, maintain, and enforce a culture that builds people. This session will explore options and methods to take your business to the next level by investing in your people and building a culture for success.	04/02/2025	11:30 am	Business [Z]	Ryan Godfrey
Advances in Mid and High-Rise Erection Engineering [I2]	The desire to build higher and faster is creating some increasingly common challenges for erection engineers on all-steel towers. Pushing erection ahead of OSHA limits, tying tower cranes to slender high-rise structures, and generating and resisting wind demands on an unclad steel skeleton require engineering solutions that may not apply on a traditional tower with a concrete core. This presentation will explore these challenges and describe engineering approaches that can facilitate the construction of these complicated and unique structures.	04/02/2025	11:30 am	Innovations [I]	Timothy Nelson
A Fabricator's Guide to Subcontracting: Best Practices and Common Pitfalls [L1]	In this presentation, a construction lawyer and general counsel will share their approach to key subcontract terms for fabricators when negotiating agreements and specifically touch upon the impact of the CoSP, delegated design requirements, MBE/WBE compliance and work scope.	04/02/2025	11:30 am	Legal [L]	Jason Copley, Matthew Burns

Pursuit of Net-Zero: Design Strategies to Leverage Structural Steel to Reduce Embodied Carbon [G12]	Pulling from several new resources AISC has developed such as the Designer's Resource Toolkit, Owner's Resource Toolkit, and the Design Guide currently in development, this session will review design strategies and rules of thumb that designers can easily implement in their projects reduce embodied carbon.	04/02/2025	11:30 am	Sustainability [G]	Jonathan Tavarez
Advancing the Industry with Bi-Metal Welding [B14]	Use of corrosion resistant steels, particularly steels with high amounts of chromium such as stainless, can extend the life of bridge superstructures in corrosive environments. However, instead of making the entire superstructure out of the higher cost alloys, economy can be gained by strategically utilizing corrosion resistant steels in combination with traditional low-carbon bridge steels. This session explores fabrication and design considerations that need to be addressed when welding these dissimilar metals. The first part will discuss the weldability, mechanical, and corrosion properties of dissimilar metal welds made with ASTM A709 Grade 50CR. The second part assesses the performance and reliability of 316 stainless and conventional low-carbon shear studs to ASTM A709 Grade 50 and A1010 stainless steel base metals.	04/02/2025	11:30 am	Bridges [B]	Jason Provines, Hizb Sajid
Steel Stair Design in High Seismic Areas [N19]	This session will cover seismic design and detailing of steel stair systems. Topics include a review of common stair arrangements, determination of seismic forces on stairs and how they resist those inertial forces, and detailing requirements for relative seismic displacements of the primary building frame.	04/02/2025	11:30 am	Design & Analysis/Engineering [N]	Jami Havens
AISC Sustainability Partner Program: What's in it for You? [G7]	Steel fabricators are increasingly being asked about both their sustainable practices and steel's carbon footprint. AISC's Sustainability Partner Program helps steel fabricators develop economical and efficient internal programs to help reduce a project's embodied carbon. This session will showcase the advantage of joining, provide practical information on how to participate in the program, and provide examples of what other participants are doing to reduce their carbon footprint.	04/02/2025	11:30 am	Sustainability [G]	Max Puchtel
Building with HSS: Linking Manufacturing to Design [N3]	Do you need to know more about the design and construction of Hollow Structural Sections (HSS)? Whether you're using them for primary support members, architectural elements, or bracing, it's important to understand the best practices for HSS design. This presentation will cover HSS manufacturing, sustainability impacts, and insights from the fabricator community on how to optimize HSS detailing for optimized fabrication.	04/02/2025	11:30 am	Design & Analysis/Engineering [N]	Andrea Chiu
Summer Camp Just Got A Heavy Metal Makeover: Innovative Workforce Solutions For Your Business	Attracting, building, and developing the trades workforce demands innovative and custom solutions. Angie Simon developed one such solution for the parallel industry of sheet metal, Heavy Metal Summer Experience (HMSE). Through the fun and engaging summer camp program, HSME actively introduces high school students and recent graduates to the sheet metal industry. Key employer benefits aimed at addressing the labor shortage include early talent pipeline development, positive company brand image, skill development, diversity, and inclusion. Camps are customizable to meet	04/02/2025	11:30 am	Workforce Development [W]	Jennifer Traut-Todaro, Matt Sanchez

Needs [W3]	the hosts' needs and include multi-week sessions, week-long sessions, and condensed camps. Be inspired to build a program to serve your workforce needs by learning how HMSE was built and how it flexes and adapts to support each new company that signs up to host the program. hmse.org				
Building Better Bourbon [CS3]	Buffalo Trace Distillery in Frankfort, Kentucky has been producing bourbon for over 200 years. Recent upgrades to their facilities valuing over $1 billion USD have them on track to meet increased demand by increasing production by 50%. Highlighted projects will demonstrate the challenges and solutions involved to meet project requirements while maintaining the site's rich historical context.	04/02/2025	11:30 am	Case Study [CS]	Austin Kirsch
Best Practices for Delegating Connection Design [C2]	This session provides a comprehensive overview of the three connection design methods as outlined in the AISC Specification (AISC 360-22) and the AISC Code of Standard Practice (AISC 303-22). Focusing on Option #3—Delegation of Connection Design—this session delves into the rules, requirements, and best practices for delegating connection design responsibilities to a licensed engineer employed by the fabricator. Gain insights into the regulatory framework, procedural steps, and practical considerations involved in this approach.	04/02/2025	11:30 am	Connections [C]	Clifford Schwinger, Todd Campbell
Wednesday Lunch	At this time we are SOLD OUT Food and beverage locations are marked with the blue fork and knife icon on the exhibit hall map. They are booths #133, #451, #583, #615, #1358, #1387, and #1393. All boxed lunches come with fresh fruit, pasta salad, and a beverage Chicken provolone telera: With spinach & pesto on a telera roll Roast beef, arugula & provolone Mayo packet Caprese on telera (Vegetarian, available at booth #1358): mozzarella, spinach, tomato, roasted red peppers & pesto on telera roll Chicken provolone with spinach & pesto on a gluten-free bread (Gluten-free, available at booth #1358): Mayo packet Fresh fruit, quinoa tabbouleh salad	04/02/2025	12:00 pm		
Educator Session - For AISC Educator Members Only	This session is for AISC Educator Memebers only. Please register in advance. 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. Christina McCoy (Oklahoma State University), Jim Swanson (University of Cincinnati), and Jeremy Feist, (MKA) will present a new teaching aid that they developed as the basis for a capstone project. Educators will be able to use these resources which includes a set of structural drawings, sample design calculations, slide sets, and prompts to design a 7 story steel framed building. Mohannad Zeyad Naser (Clemson University) will present on the emergence of artificial intelligence (AI) in civil engineering education including current challenges, potential applications, and how educators can immediately leverage AI to their benefit and to improve student learning. Naser, the 2024 recipient of AISC's Milek Fellowship for his research project, SteelGPT: Automating Structural Design of Steel Structures, will give a presentation and lead a group discussion. 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	04/02/2025	12:30 pm	Educator	Christina McCoy, Jim Swanson, MZ Naser

	registration for the conference.				
Atema Quality [EW5]	Presented by: Atema Do you want to improve your quality management system to meet the requirements of industry certification programs? Atema offers training and management assistance designed to help you do just that. Learn more about how Atema does it. Exhibitor Workshops are not eligible for PDH credits	04/02/2025	1:45 pm		
Unlocking Efficiency in Steel Engineering: HiCAD Solutions for Stairs, Railings, and Steel Buildings [EW6]	ISD Group USA This workshop is perfect for both beginners and experienced professionals eager to unlock the full potential of the 3D-CAD Software HiCAD. Learn how to streamline your workflow by up to 50% with HiCAD's powerful features, including seamless import of point clouds from 3D scans from FARO or Leica and specialized tools for designing steel structures like halls, stairs and railings or steel buildings. Create precise 2D/3D models and production-ready documentation (including dimensions, sectional views, and detailed drawings) to simplify manufacturing processes and enhance accuracy. Gain practical insights to manage your projects efficiently and fully leverage HiCAD's advanced capabilities for outstanding results. Exhibitor Workshops are not eligible for PDH credits	04/02/2025	1:45 pm		
The ABC's of a Safety Plan [Y3]	Safety programs do not need to be complicated. This session is intended to show you how a successful safety program can be based on three simple principles: Awareness, Behaviors, and Communication. There is a shared responsibility in each of these, for the employer and the employee, who acting together, can develop and achieve a practical and effective safety program which enhances both the work and the workplace.	04/02/2025	1:45 pm	SafetyCon [Y]	Matthew Haaksma
Building a Strong High-performing Company Culture through investing in human Capital - Part A [Z13]	This presentation focuses on building a strong, high-performing company culture by strategically investing in human capital and reducing turnover. It emphasizes the importance of human capital as an organization's most valuable asset and explores how strategic talent management can lead to long-term success by increasing employee engagement, boosting profitability, and enhancing organizational performance.	04/02/2025	1:45 pm	Business [Z]	Cheryl Brant, Matt Smith
Structural Steel: An Industry Overview and Economic Forecast [Z15]	This course will cover the economic conditions in the US and how it relates to the overall health of the construction industry. It will discuss different measurements and indices that are used to gauge where the market is headed and how that will affect construction activity. It will also discuss the evolving mix of the construction market in terms of what is getting built and the materials being used.	04/02/2025	1:45 pm	Business [Z]	David Fennell
Buildings II [S3]	1. Mohammed Eladly, "Stability assumptions in numerical modeling of cold-formed steel-framed buildings under seismic loading" 2. Pedram Mortazavi, "A low-cost system for enhanced seismic stability and mitigation of residual deformations in steel eccentrically braced frames" 3. Shihang Wang, "Buckling behavior of metal building systems under dynamic wind loads"	04/02/2025	1:45 pm	SSRC Annual Stability Conference [S]	Mohammed Eladly, Pedram Mortazavi, Shihang Wang

Breaking Down Silos: Partnering for Success [QC3]	Successful structural steel projects require strong collaboration between fabricators, erectors, and general contractors. This session explores practical strategies for improving communication, aligning project goals, and resolving challenges efficiently. Learn how proactive coordination and partnership can streamline operations, reduce risk, and enhance project outcomes.	04/02/2025	1:45 pm	QualityCon [QC]	Tim Duke, Tom Ringelstetter, Ben Bristol
Best Practices for Structural Steel Fabricators Using Intumescent Coatings [QC15]	Discover how structural steel fabricators can enhance fire protection using intumescent coatings. This session will cover best practices for application and optimizing performance. Learn practical strategies and case studies to ensure your projects meet safety standards while maintaining design integrity.	04/02/2025	1:45 pm	QualityCon [QC]	Russell Norris, Chris Burst
Steel For The Lift You Need [B15]	This session covers the latest in rehabiliitaion and new design of moveable steel bridges. It highlights the strength, adaptibility, light-weight, and elegance that only steel can bring to the challenge of moveable bridges. Two recent lift bridge projects will be covered in this session. The first is a rehabilitation of a bascule lift bridge and the second is a major rehabilitation of a swing bridge.	04/02/2025	1:45 pm	Bridges [B]	Deanna Nevling, Andrew Amarone, Kevin LaRose
Technology, Machine Learning, and AI in Steel: Current Applications and Future Innovations [T3]	This session explores the role of current technology in the design, fabrication, and erection of steel structures. It will also explore the cutting-edge technologies we can expect to see in the steel industry over the next three years, particularly in the areas of AI and Machine Learning.	04/02/2025	1:45 pm	Technology [T]	Peter Dumont
Design Drawings - Detailers and Engineers Working Together [D3]	Every project cannot go perfectly. This session will discuss how steel detailers may best support engineers with closing design gap issues which may exist on construction drawings. Discussion will cover using the detailing kick off meetings to help reduce and possibly eliminate the need for RFI's in a project, together with how to better format RFI questions when they are needed to make it easier for engineers to answer. The focus will be the process for minimizing questions and helping to reduce the approval submittal review time for the design team.	04/02/2025	1:45 pm	Detailing [D]	James Bennett
Designing with Steel: 45 Proven Cost-Saving Strategies for Architects [A3]	Learn how to optimize your next structural steel project without compromising design! In this session, a structural industry leader and a fabrication expert will share 45 actionable tips to help architects reduce costs effectively. From choosing between moment and brace frame designs to understanding the impact of different coatings and exposed structural steel specifications, every aspect is covered. The session will also dive into how performance-based fire design can enhance both budget efficiency and visual appeal. A must-attend for cost-conscious architects!	04/02/2025	1:45 pm	Architecture [A]	Robert Chmielowski
How to Get Paid On Time! [F5]	This session will explore the critical role of accurate pay applications in securing timely payments for subcontractors. Participants will learn essential requirements, best practices, and common pitfalls to avoid, helping them get pay apps right the first time around for faster payments and stronger cash flow.	04/02/2025	1:45 pm	Fabrication & Erection [F]	Claire Wilson

X-Factor: The First Mass Customized Signature Bridge [A7]	This project started by realizing there was a market opportunity that exists between prefabricated trusses and one-off signature pedestrian bridges. Often our design team is contacted by clients who are reluctantly entertaining a prefabricated truss but are willing to spend a bit more if it means getting something that offers their city an architectural identity. This realization fortuitously coincided with the maturation of steel 3D printing and parametrically powered web applications both of which are powerful agents behind mass customization in other industries. The project also came online as our group was gaining over a decade of experience with parametric design in our signature bridge work. Bring all those together and you have the necessary experience and technologies to start tackling mass customization within the bridge industry. In this session we explore why mass customization is a difficult thing to pull off in the bridge or building industry and the hurtles to overcome. We'll also explore the inspiration behind this Vierendeel truss and what factor drove the architectural design of the project. We will also dive into the parametric design software and definition, interoperable tools, and processes that enable this project to make business sense. Lastly, we will cover the parametrically driven Shape Diver Web Application that puts the power of design at the fingertips of customers and the cutting edge steel 3D printing technology that simplifies the fabrication and assembly process of this signature structure.	04/02/2025	1:45 pm	Architecture [A]	Hunter Ruthrauff, Dan Fitzwilliam
The Ins and Outs of AISC's new Fabricator Training Program [W2]	Empower your team and boost your company's competitive edge with AISC's new Fabricator Training Program. Designed for training new staff and upskilling existing staff, this new program (free to AISC full members) not only enhances your staff's expertise but also strengthens your recruitment and retention strategies. By investing in top-tier training, you'll cultivate a highly skilled workforce, reduce turnover, and position your company as an industry leader in steel fabrication. This session will provide key information to help you access and implement the new program.	04/02/2025	1:45 pm	Workforce Development [W]	Joel Landsverk, Loren Thomas
Women in the Steel Trades: Not just a great "Girl Welder" [W8]	Stop being surprised that the women welders are your best welders. In this dynamic panel discussion, we will explore the experiences of women in the steel trades, shedding light on their contributions, challenges, and successes. Join us as we bring together a diverse group of women from various roles within the steel industry to share their stories and insights. Through their experiences, we aim to uncover the biases—both conscious and unconscious—that persist in the workplace and discuss strategies to overcome them. Key takeaways include: Understanding the subtle biases that can affect women's progress in the trades. Gaining actionable strategies to create a more inclusive work environment. Learning how to better support and retain female talent in the steel trades. By attending this session, you will be equipped with practical directives to foster a more equitable workplace where all employees, regardless of gender, can thrive. This is not just about recognizing women as "great girl welders," but about seeing them as invaluable professionals who bring unique skills and perspectives to the industry.	04/02/2025	1:45 pm	Workforce Development [W]	Stephanie Hoffman, Adriana Lopez Marin, Jessica Krueger

FastFloor – Can It Revolutionize Floor Framing? [I3]	One of the initiatives from the AISC Need for Speed program is the development of a prefabricated, modular, steel floor framing system dubbed FastFloor. FastFloor re-imagines the construction of a typical floor in a commercial building by shop-fabricating large all-steel floor panels, then erecting them in the field to quickly and safely form the structural floor system. The FastFloor team has completed both experimental and numerical analyses on the dynamic behavior of two 10 ft x 40 ft floor modules and, based on the findings, has designed a 30 ft x 40 ft bay specimen. This session will include a comprehensive summary of the results from the 10 ft x 40 ft modules, detailing the effects of bottom flange angle blockings, plate stiffeners, and K-braces on dynamic behavior. Additionally, the presentation will cover the preliminary work conducted on the larger bay specimen, will provide a summary of acoustic tests performed on a laboratory structure, both with and without raised access floors and underlayment components, and will present preliminary designs on testing of this system under extreme loads.	04/02/2025	1:45 pm	Innovations [I]	Ron Klemencic, Onur Avci
A Competitive Short Span Steel Railway Bridge Concept [B3]	AISC/NSBA, in conjunction with the American Association of Railways (AAR), recently designed and constructed a prototype short span steel railroad concept. This session covers the design, fabrication, and installation of a new concept for short-span steel railway bridges. This high-efficiency design includes hot-rolled, wide-flange shapes as main beams and simplified details that improve the fatigue performance of the span and reduce its capital cost of installation. In addition, the simplified details are anticipated to reduce the span's cost of ownership through reduced complexity of inspections and reduced need for maintenance. Structurally, the span exceeds all performance recommendations established by Chapter 15, "Steel Structures," in the Manual for Railway Engineering published by the American Railway Engineering and Maintenance-of-Way Association (AREMA). The span is installed as part of the Facility for Accelerated Service Testing (FAST) near Pueblo, Colorado. FAST is a full-scale railway proving ground operated by MxV Rail—a wholly owned subsidiary of the Association of American Railroads (AAR). FAST comprises a 2.8-mile loop of track within which any railway component or system, including railway bridge spans, can be tested under train live loading. The train loading at FAST generally comprises three six-axle radial-truck locomotives (400 kips each) and more than 110 open-top hopper cars loaded to 315 kips each. This loading is 10% more than the 286-kip maximum car weight defined by AAR rules for railcar interchange in North America. Each lap of this train results in an application of 0.018 million gross tons (MGT) of heavy axle loads.	04/02/2025	1:45 pm	Bridges [B]	Gary Fry, Nick Marianos, Anthony Peterson
Successfully Specifying Hot-Dip Galvanizing [N20]	An introduction to the basics of hot-dip galvanized steel. In this session, we will dig into the process, the specifications, the best design practices, inspection of and sustainable characteristics of hot-dip galvanized steel.	04/02/2025	1:45 pm	Design & Analysis/Engineering [N]	Jeff Cunningham

Advancing Steel Sustainability: What Owners Need to Know [G14]	So you want to make your project more sustainable, but you're tired of getting shot down at the planning table? How can you get the owner and other stakeholders on board to make sustainability a priority on the project? Authored by MKA and supported by AISC, the Sustainability Owner's Toolkit is a resource you need! Come hear from the authors themselves on how to best use the toolkit to influence your next project.	04/02/2025	1:45 pm	Sustainability [G]	Kevin Kuntz, Ian McFarlane
Delay Claims – Do I Need a Scheduling Consultant? [L3]	In this program we will review the importance of clear and logical scheduling of work activity to control the success of any construction project. But what happens when the project suffers delay impacts, which may render the as planned schedule worthless? How might that circumstance affect the fabrication, delivery and erection of structural steel? And how would you prove to the owner or general contractor that you have damaged? We will also review typical contract language pertaining to delay claims and the evidentiary burden on the claimant to show the impact of the delays. We will discuss the benefit of early involvement of an experienced scheduling consultant to help show delay impact to the critical path and its effect on the work.	04/02/2025	1:45 pm	Legal [L]	Edward Seglias, Mark Nagata
Connection Design - The Checks Not to Forget! [C3]	This session shares some of the most common mistakes that new connection engineers make when designing connection. We will dive deep into the connection parts of the AISC Steel Code! A wide range of technical connection subjects are to be touched on including fillers in bolted connections, longitudinal and transverse welds, net section checks, prying and more!	04/02/2025	1:45 pm	Connections [C]	Mara Braselton
Building with SpeedCore - A Fabricator's (and Erector's) Perspective [F4]	With AISC’s continued focus on the “Need for Speed”, the industry is starting to see more opportunities where Composite Plate Shear Walls-Concrete Filled (CPSW-CF) are seriously considered. This session will briefly describe the “SpeedCore” system, then provide a deeper dive into the fabricators's/erectors's execution of the 200 Park project, which is California’s first use of SpeedCore. Attendees will hear lessons learned and advice on what to do on your SpeedCore project.	04/02/2025	1:45 pm	Fabrication & Erection [F]	David Wright
Case Studies on Structural Stability Failures – You Make the Call [N4]	This lively and engaging session features a panel of engineers and academics presenting their views on the root cause of five structural collapse case studies. The panel views the results of an audience vote on which cause was most likely. Finally, the moderator reveals and explains the true nature of the collapse.	04/02/2025	1:45 pm	Design & Analysis/Engineering [N]	Rafael Sabelli, John Hooper, Cliff Bishop, Patricia Clayton, Craig Quadrato, Ronald Ziemian
Building a Strong High-performing Company Culture through investing in human Capital - Part B [Z14]	This presentation focuses on building a strong, high-performing company culture by strategically investing in human capital and reducing turnover. It emphasizes the importance of human capital as an organization’s most valuable asset and explores how strategic talent management can lead to long-term success by increasing employee engagement, boosting profitability, and enhancing organizational performance.	04/02/2025	3:00 pm	Business [Z]	Cheryl Brant, Matt Smith

Risk Management - What is Risk and How Do We Manage It? [Y4]	For some, the workplace can be a mundane space with very predictable hazards which are easily controlled. For others, like you, the men and women who design, fabricate and erect steel structures, the workplace is a dynamic and sometimes unpredictable space. Hazard recognition and control may be one of the biggest challenges to successfully completing a job and keeping your employee safe. When working in the steel construction trade there are deadlines, logistics and other craft created obstacles that demand constant navigation. How do you lead the way in safety, who is best equipped in your organization to address these obstacles, where do you start? Join me in a thought-provoking conversation about Risk and Risk Management.	04/02/2025	3:00 pm	SafetyCon [Y]	Greg Edelen
Parametric Steel I-Girder Bridge Design: 3D Modeling, FEA, and Specification Checks [EW8]	Presented by: OpenBriM platform In this hands-on workshop, we will design a steel I-girder bridge, starting with alignment import and progressing through staged construction analysis and design. Learn about state-of-the-art capabilities in parametric modeling and see firsthand how quickly refined analysis models can be created, including substructure and foundation details. Tasks that once required months to complete can now be accomplished within the duration of this workshop. Exhibitor Workshops are not eligible for PDH credits	04/02/2025	3:00 pm		
Design All Your Steel Connections [EW7]	Presented by: IDEA StatiCA During this session, we will introduce IDEA StatiCa as tools for all structural engineers. We will discuss steel detail design workflows and touch on a few examples where the software could be used to fix any field issues. The integration between IDEA StatiCa and other software will be discussed as it can be a huge time saver. Exhibitor Workshops are not eligible for PDH credits	04/02/2025	3:00 pm		
Sustainable Steel: What are the Mills doing? [G11]	Almost 90% of the embodied carbon in fabricated structural steel occurs before the material leaves the mill gate. Notably, American steel stands as a low benchmark for global carbon intensity. Join this session to glean insights from the forefront – the leading domestic producers of hot-rolled sections, plate, and HSS. Gain a profound understanding of their concerted efforts to maintain this exceptional status quo. This session offers an exclusive glimpse into the strategies and initiatives these industry leaders employ to preserve the unparalleled sustainability of American steel.	04/02/2025	3:00 pm	Sustainability [G]	Rafael Garcia, Jon Howley, Jeff Cordill, Amari Scriven
Modern Manufacturing of Structural Steel Shapes and its Impact on Design [CAPS1-4]	(This session is only open to registered CAPS program 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. Attendance at this session is by invite only and is only open to accepted members of the CAPS program.	04/02/2025	3:00 pm	CAPS 1	Kim Olson
Efficiently Delivering Amazing Architectural Stairs [A4]	Have you ever struggled to figure out how to make architectural stairs simple? Did you find coordinating so many details a real problem? Do your stairs always run over budget? This session will offer practical solutions to help you deliver amazing architectural stairs efficiently and smoothly!	04/02/2025	3:00 pm	Architecture [A]	Casey Nave

Fundamentals of Welding [CAPS2-1]	(This session is only available to those registered in the CAPS program) 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 structural steel. Attendance at this session is by invite only and is only open to accepted members of the CAPS program.	04/02/2025	3:00 pm	CAPS 2	Duane Miller
Engineering Your Story: A Guideplate to a Better You (and a Better Story) [Z3]	Join us for a dynamic, fast-paced discussion covering various topics essential for personal and professional development. This session will dive into mentorship best practices, share strategies for achieving individual success, and explore ways to enhance team culture and foster growth. It will also touch on the importance of health and wellness in your personal life and the workplace. Finally, uncover the "secret sauce" to owning your story and making it a powerful part of your journey. Whether you want to inspire others or elevate yourself, this session is packed with actionable insights and motivation to help you thrive.	04/02/2025	3:00 pm	Business [Z]	Ryan Curtis
What Special Inspection requirements should engineers specify? Demystifying NDT [N25]	What inspection requirements do you need to specify for structural steel construction? What is required by the International Building Code for inspection? This session will review all the requirements for inspection in IBC and show how these inspections are performed and show the reporting requirements.	04/02/2025	3:00 pm	Design & Analysis/Engineering [N]	Larry Kruth
How will AI and Robotics Impact Your Workforce? [W4]	New fabrication technology doesn't just impact your capital budget; it also impacts your labor force and your labor costs. While some jobs will be eliminated, others will be created. And all of your workers will require new training. It's likely that salaries will climb, but so will profits as productivity increases. This panel discussion will explore the impact on your business as well as provide strategies to position you and your company for success in this rapidly changing landscape.	04/02/2025	3:00 pm	Workforce Development [W]	Adam MacDonald, Joey Lombardo, Rob Seamans, Parley Dixon
The Follow Through – An Engineer’s Guide to Thinking Down the Line [N21]	In structural engineering, design-stage decisions significantly impact project cost, schedule, and success. This presentation explores the Engineer of Record's (EOR) pivotal role in crafting solutions that address immediate needs while ensuring flexibility for later stages, including fabrication and erection. Discover how proactive and adaptable engineering practices can enhance project outcomes and streamline execution. Join us to gain insights into optimizing your structural engineering approach for better results.	04/02/2025	3:00 pm	Design & Analysis/Engineering [N]	Conner Maines
Innovative Applications of Large Steel Forgings - Moving Beyond Traditional Design Limitations [I4]	This workshop will introduce steel forging and contrast it with both hot rolled and cast plate. Advantages of wrought forged product will be discussed with focus on mechanical properties, impact toughness and weldability characteristics. Applications in existing AISC member projects will be covered along with proposed future applications. Fabrication, cutting, machining and turn-key solutions of the sections that can exceed 60" thick and 200,000 lbs will also be reviewed.	04/02/2025	3:00 pm	Innovations [I]	Andrew Jacus, Guy Brada

May the Uniform Force Method be With You [C5]	Did you know loads for a braced frame can be redistributed within the connection? This session will review this concept, and give an overview (or refresher!) of the Uniform Force Method.	04/02/2025	3:00 pm	Connections [C]	Larry Muir
Design of Long Span Trusses [N6]	Long span steel trusses are increasingly designed to span greater distances, support heavier loads, and enhance aesthetic appeal. The challenge lies in creating efficient, cost-effective, and visually striking designs through collaboration among engineers, fabricators, and erectors. This talk will explore the design considerations for long span trusses, key factors to keep in mind, and common pitfalls to avoid.	04/02/2025	3:00 pm	Design & Analysis/Engineering [N]	Joseph Dowd, Ben Cheplak
AISC's AI Initiatives: An Introduction [T4]	This session will provide an overview of AISC's AI efforts. It will detail how AISC is developing AI to improve the usability of structural steel and make it easier to design. Additionally, this session will explore how AISC is utilizing AI internally to better serve its membership and improve response times.	04/02/2025	3:00 pm	Technology [T]	Luke Faulkner
Designing with Thin Steel: Member Design per AISI S100 for AISC 360 Experts (Part 1) [H1]	This session introduces member design for very thin steel per AISI S100, tailor-made for an AISC 360 audience. It begins with a presentation of similarities and differences between the two standards, and ends with a panel discussion of opportunities in slender member design.	04/02/2025	3:00 pm	CFS [H]	Benjamin Schafer, Josh Buckholt, Bob Glauz, Bonnie Manley
What Seismic Steel Design is All About [E9]	Keeping up with the ever-increasing sophistication of seismic design codes such as the International Building Code and AISC Seismic Provisions has been a major challenge to designers. While seismic codes get updated frequently, the basic design philosophies remain the same. In this session, Dr. Uang will highlight several underlying concepts that will help designers to use these codes properly.	04/02/2025	3:00 pm	Seismic [E]	Chi-Ming Uang
Errors & Omissions Insurance - Coverage for your Mistakes [D4]	Whether a detailer, contractor or fabricator, mistakes can be made in your business. Learn what insurance coverage - General, Products Liability or Errors & Omissions will provide the best possible legal remedy! Ms. Komar will discuss the available types of insurance which may be provided for the type of work you do and the potential errors which may occur. Information will be provided on with what is and is not covered, what your first moves should be when filing a claim, and who will provide that legal defense once initiated. There will also be discussion on pricing and claims handling. Attendees will come away with a better understand of what their coverage options are!	04/02/2025	3:00 pm	Detailing [D]	Mercy Komar
Visual Appeal of Steel [A9]	CITYPARK stadium is a 22,500-seat centerpiece of a mixed-use stadium district in the Downton West neighborhood of St. Louis. The stadium fits into its urban neighborhood with a flat portico, cut out corners and slender columns framing the upper seating bowl. This joint presentation will describe the architectural goals of openness and transparency, and how the engineer’s choice of using structural steel as the primary material met those goals and more.	04/02/2025	3:00 pm	Architecture [A]	Francesca Meola, Chris DeVolder

LEED v5 and What You Need to Know For Your Steel Structures [G13]	Join us for an engaging presentation on the evolution of Environmental Product Declarations (EPDs) in the steel industry, exploring their journey from non-existent to manufacturer-specific and industry-wide availability. We'll dive into how these EPDs are shaping sustainability practices and highlight a real-world case study that compares the embodied carbon considerations in LEED v4.1 and the upcoming LEED v5. Discover the key differences and learn how steel is playing a pivotal role in sustainable building design!	04/02/2025	3:00 pm	Sustainability [G]	Allison Johnson, Forrest Zhang
Using Your Management Review to Improve your Company and QMS [QC16]	This session will guide participants on leveraging management reviews to enhance both company performance and quality management systems (QMS). Attendees will learn how to conduct effective reviews that identify areas for improvement, streamline processes, and foster continuous quality improvement across the organization. Discover practical techniques to make your management reviews more impactful, aligning team efforts with organizational goals and boosting overall efficiency.	04/02/2025	3:00 pm	QualityCon [QC]	Robert Zaykoski
Steel Bridge Industry Roundtable [B16]	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 workforce development; when is an issue is a non-conformance, an RFI, or a phone call; shop drawing reviews - are they even needed; steel bridge corrosion protection systems; and will discuss the available resources.	04/02/2025	3:00 pm	Bridges [B]	
Innovative Railroad Bridge Projects [B4]	Steel is the material of choice for many railroad bridge projects. This session will highlight two complex railroad bridge projects that feature innovative approaches in steel design. First is a Norfolk Southern Railway's rehabilitation program for the 120+ year-old B-184.50 "Nickel Plate" viaduct in Cleveland, OH. The project features a versatile temporary modular shoring system designed to save material costs, significantly limit required track outages, and provides superstructure support for tower bents by selectively combining prefabricated structural steel sub-assemblies. The second is a BNSF Railway Company program to develop a modular Through Plate Girder design for the purpose of shortening railroad service interruptions in an emergency bridge outage scenarios. A TPG capable of replacing an array of span length and skew combinations will minimize the exposure of long-term interruptions in the event of losing a "minimum clearance span" due to bridge strikes, natural disasters, and other catastrophic incidents. This presentation will discuss the drivers behind developing this design, the criteria selected for span application parameters, how structural steel suits the solution and design considerations for modular application.	04/02/2025	3:00 pm	Bridges [B]	Lisa Hoekenga, Ruth Brown, Garrett Havens, Jansen Bundridge, Luke Kazmer
Experiments in Thin-Walled Structures [S4]	1. Fidence Cyizere Rukundo, "Flexural tests on high strength cold-formed steel solar piles." 2. Maged Hanna, "Ultimate flexural capacity of Cold Formed Section Purlins laterally supported by tie rods" 3. Xinxin Liu, "Shear Resistance of double-storey cold-formed steel shear walls with built-up uprights subject to monotonic and cyclic loadings" 4. Jiangyue Xie, "Experimental study on the behavior of cold-formed lipped channels under	04/02/2025	3:00 pm	SSRC Annual Stability Conference [S]	Fidence Cyizere Rukundo, Maged Hanna, Xinxin Liu, Jiangyue Xie

	uniform and non-uniform elevated temperatures"				
Bolted Down: Securing Quality in Structural Steel Connections [QC4]	Bolting is a vital aspect of structural steel fabrication and erection, where precision is key. This panel will explore best practices, challenges, and innovations in bolted connections, with insights from industry experts. Attendees will learn about the latest standards and quality control measures, equipping them to enhance the reliability of their bolted connections.	04/02/2025	3:00 pm	QualityCon [QC]	Heath Mitchell, Chris Curven, Bill Germuga
Designing Steel Connections Without Welding Or Drilling [EW9]	Presented by: Lindapter Get to know a range of faster, cost-effective alternatives to conventional bolted and welded connections to solve your steel connection problems. This session offers an update on the latest ICC-ES recognized steelwork connections and insights into the technical and practical advantages of specifying innovative clamping systems. Exhibitor Workshops are not eligible for PDH credits	04/02/2025	4:45 pm		
Stairs and Rails: Updates & Discussion [M9]	This presentation will provide a brief overview of Design Guide 34 and updated research. Design Guide 34 provides guidance for the design and layout of steel elements of steel-framed stairways, guards, handrail, and related components. The presentation will take a deeper dive into specific topics to provide new insights and additional guidance. Practical solutions from past projects will be shared for common issues related to stair and rail design.	04/02/2025	4:45 pm	Manuals, Standards, and Design Guides [M]	Adam Friedman, Casey Peterson
OSHA Regulatory Update: What Our Industry Should Expect From OSHA Under the New Administration [Y5]	In this session, the past Counsel for Kentucky OSHA offers here insight on what employers should expect from OSHA under the new administration. Realities and real life solutions and guidance will be provided on what to expect and how to manage OSHA inspections in today’s regulatory climate.	04/02/2025	4:45 pm	SafetyCon [Y]	Chantell Foley
Extreme Loads [S5]	1. Eman Abdullah, "Analytical Investigation of Plate Buckling Capacity Under Inelastic Cyclic Loading" 2. Nicolas Boissonnade, "O.I.C.-based design of steel H.S.S. at high temperatures" 3. Yu Niu, "Numerical modeling of the post-earthquake fire performance of cold-formed steel members" 4. Gabrielle Pomerleau, "Local stability of WF sections in fire"	04/02/2025	4:45 pm	SSRC Annual Stability Conference [S]	Eman Abdullah, Nicolas Boissonnade, Gabrielle Pomerleau, Yu Niu
Words of Wisdom from the Steel Industry [N24]	Come hear from steel industry leaders like Duane Miller, Ron Klemencic, Lou Geschwindner, and more as they present meaningful quotations and their impact on their career. Keeping things moving and engaging, with a bit of fun too, the session will follow a PechaKucha presentation format.	04/02/2025	4:45 pm	Design & Analysis/Engineering [N]	Kim Olson, Ron Klemencic, Duane Miller, Larry Muir, Louis F. Geschwindner, Ron Hamburger, Lee Shoemaker
Chapter M – Fabrication and Erection [QC17]	The AISC Specification for Structural Steel Buildings (ANSI/AISC 360) sets forth criteria for the design, fabrication, and erection of structural steel buildings and other structures. Within the pages of AISC 360, resides Chapter M – Fabrication and Erection of structural steel. This session will unpack and address the requirements for fabrication and erection documents, fabrication, shop painting, and erection of structural steel.	04/02/2025	4:45 pm	QualityCon [QC]	Christian Crosby, Yasmin Chaudhry

Reality Capture and Digital Twins in Steel [T5]	Examples of reality capture techniques in structural steel will be discussed. This includes applications of laser scanning, drones, and photogrammetry throughout the steel supply chain. The session will also explore how the implementation of reality capture varies between new construction and the renovation of existing structures.	04/02/2025	4:45 pm	Technology [T]	John Tocci Jr.
I'm a New QCI - now what? [QC5]	This session will provide new Quality Control Inspectors (QCIs) with essential guidance on their role in overseeing steel fabrication and erection projects. Attendees will learn key inspection processes, documentation practices, and strategies for addressing common challenges in the field. By mastering these skills, QCIs can ensure compliance with industry standards and help deliver high-quality steel structures.	04/02/2025	4:45 pm	QualityCon [QC]	Nate Lindell, Kevin Dye
Building Sustainably with Steel: A Holistic Approach to Life Cycle Assessment [A10]	Learn practical strategies for enhancing sustainability in steel construction. This session will cover the essentials of LCA and embodied carbon, offering architects tools to make informed decisions from design to procurement. Real-life case studies will highlight how to choose the right materials, reduce carbon footprints, and balance sustainability and design.	04/02/2025	4:45 pm	Architecture [A]	Don Davies, Darren O'Riley
Designing with Thin Steel: Connection Design per AISI S100 for AISC 360 Experts (Part 2) [H2]	This session introduces connection design for very thin steel per AISI S100, tailor-made for an AISC 360 audience. It follows Designing with Thin Steel: Member Design. It begins with a presentation of similarities and differences between the two standards, and ends with a panel discussion of opportunities in connection design with slender elements.	04/02/2025	4:45 pm	CFS [H]	Benjamin Schafer, Josh Buckholt, Bob Glauz, Bonnie Manley
What you need to know about the COSP [CAPS1-3]	(This session is only open to registered CAPS program 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. Attendance at this session is by invite only and is only open to accepted members of the CAPS program.	04/02/2025	4:45 pm	CAPS 1	Jacob Thomas
Partnerships in Action: The Workforce of Tomorrow is Today [W5]	Join us for "Partnerships in Action" with Shaun Eller, where you'll discover how to build effective relationships to support workforce development. Learn how Ohio Gratings, Inc. successfully partners with local Career Technical Education (CTE) programs and high schools to fill skilled labor positions. This session will provide practical strategies for forming partnerships and developing a successful, scalable program to sustain your future.	04/02/2025	4:45 pm	Workforce Development [W]	Shaun Eller
Buy Clean Policies – Where Are We Today? [G5]	Buy Clean laws and programs have proliferated over the last several years setting global warming potential (GWP) procurement thresholds for structural steel products. Different cities, states and the federal government agencies have established different methodologies and thresholds. This session will examine what requirements are in place where, how they impact you, and how the structural steel industry is addressing them.	04/02/2025	4:45 pm	Sustainability [G]	John Cross

Making A Case for Steel Castings in Construction [A5]	Cast Steel was reintroduced to the construction industry in the early '70s for iconic projects such as the Centre Pompidou in Paris and the lightweight roof structure for the Munich Olympics. However, over 50 years later, the material is still rarely used despite striking advantages for certain applications. This session will provide an introduction to Cast Steel as an alternative to more conventional welded steel structures and details.	04/02/2025	4:45 pm	Architecture [A]	Michael Stein
Steel Innovations - Past, Present, and Future [I5]	Steel is undoubtedly the most innovative material in construction. Its many advantages include versatility, fast construction, and ease of design. But those characteristics didn't happen by accident – they were (and are) the result of innovative thinking by innovative thinkers. Join Chris Raebel, AISC Vice President of Engineering & Research, and Devin Huber, AISC Director of Research, as they discuss how past innovation propelled steel to become the material of choice for construction and how AISC continues to advance innovation to remain at the forefront of the construction industry.	04/02/2025	4:45 pm	Innovations [I]	Christopher Raebel, Devin Huber
Don't get the Shaft! [N7]	Steel-framed building shafts and building chases incorporate lightweight non-load-bearing fire-rated wall assemblies as a design strategy instead of concrete or masonry shafts. From an architect's perspective, there will be a discussion on structural engineering integration with architecture and elevator manufacturer requirements to provide support for interior components of shafts such as elevator rails, stair stringers, and landings, with particular attention to fire rating strategies of structural steel.	04/02/2025	4:45 pm	Design & Analysis/Engineering [N]	Kevin Spector
LAX MSC South - Structural Design for Building Transportation [CS4]	Los Angeles World Airports (LAWA) selected Buro Happold, as part of a team led by Woods Bagot Los Angeles, to plan and deliver the new Midfield Satellite Concourse (MSC) South terminal at Los Angeles International Airport (LAX). LAX's MSC South project is part of a larger initiative at LAX that is creating modernized and efficient terminals for passengers and airport operators. To minimize the impacts on a fully operational airport during the time of construction, MSC South was designed to be constructed offsite and transported to the concourse's final location once the full building is complete. The project will add approximately 150,000 square feet and eight gates for narrow body aircrafts. Each segment was designed with an independent lateral system consisting of Buckling Restrained Braced frames and Simspon Yield Link moment frames resulting in 9 independent segments connected by seismic joints. Analysis was then undertaken to determine the lifting points of each segment along with the impacts on the structure and connections while the segments are transported.	04/02/2025	4:45 pm	Case Study [CS]	Louisa Phillips
Innovative Steel Castings for NASA's	In this presentation, we will explore the innovative use of cast steel nodes and flange fittings in the construction of NASA's Mobile Launcher 2 (ML2), a critical component of the Artemis Program aimed at establishing a sustainable human presence on the Moon and advancing crewed missions to Mars. ML2, a towering 380-foot structure, is designed to support the assembly, transport, and launch of NASA's Space Launch System (SLS) rocket and Orion spacecraft, one of the most powerful rockets ever built. Given the challenging requirements of interfacing with existing infrastructure at Kennedy Space Center and ensuring optimal dynamic	04/02/2025	4:45	Connections [C]	Mark Holland,

Mobile Launcher [C4]	interaction between the spacecraft and the tower, the structure's weight, stiffness, and construction tolerances were pivotal considerations in the design of ML2. This presentation will delve into how the strategic incorporation of cast steel nodes at primary member intersections and the use of cast steel flange fittings at member splices dramatically simplified steel fabrication and field construction and contributed to the overall integrity and performance of ML2. Join us as we discuss the technical challenges, design solutions, and lessons learned from this groundbreaking project.		pm		Carlos de Oliveira
Robotic Site Printing & Coordinate Coordination: Precision and Progress, Leveraging Construction Coordinates [D5]	Explore the cutting-edge integration of construction coordinates and robotic site printing in the construction industry. This presentation will delve into the transformative impact of precise coordinate management and automated site printing technologies, which enhance accuracy, efficiency, and scalability in project execution. Attendees will gain insights into practical applications, best practices for using site print, and real-world case studies that showcase significant advancements in construction methodologies. Join us to discover how these innovative tools are setting new standards in construction coordination management and execution.	04/02/2025	4:45 pm	Detailing [D]	William Ikerd, II, Hugo Lara
The Inefficiency Claim: How to Get Paid When Schedule Impacts Cause Extra Manhours [L4]	Schedule changes on a project can send a fabricator's manhours far beyond those planned in the original bid, with costs soaring in tandem. Though there may be many contractual and legal hurdles, the law nevertheless recognizes that specialty subcontractors—including fabricators—have the right to recover excessive manhours if such claims are properly analyzed, documented, presented, and proven. Learn about the legal framework for inefficiency claims and how to best capture and present them as a fabricator. Learn how good data, timely presentation, and an accurate and compelling explanation improve the chances for recovery on an inefficiency claim.	04/02/2025	4:45 pm	Legal [L]	Edward Seglias, Matt Skaroff, George E. Pallas
Laterals and Cross Frames for Permanent and Temporary Conditions [B5]	This session will discuss the lastest AASHTO 10th Edition provisions for stability bracing in steel bridge systems and benefits of flange level bracing provided near the ends of spans to improve stability of the girder system during erection. The session will also discuss the relatively new AASHTO Guide Specifications for Wind Loads on Bridges During Construction and a case study on how the specifications were interpreted and implemented on a continuous plate girder project in Iowa.	04/02/2025	4:45 pm	Bridges [B]	Aidan Bjelland, Trevor Pence
Effective Communication [CAPS2-2]	(This session is only open to registered CAPS program 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.	04/02/2025	4:45 pm	CAPS 2	James Reeves
Rigging for Accuracy – Finding Adjustment [F8]	This presentation will review methods, equipment and resources available to develop adjustable rigging and lifting orientations. We'll highlight the use of creative rigging solutions to achieve accurate structural steel installation alignments on a number of recent projects including the Syracuse JMA Dome, Hard Rock Stadium, and SoFi Stadium. The presentation will include detail on rigging components within ASME B30 standards, including slings, shackles, hoists, lifting devices and hydraulics.	04/02/2025	4:45 pm	Fabrication & Erection [F]	Chad Fox

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! Food and beverage locations are marked with the blue fork and knife icon on the exhibit hall map. They are booths #133, #451, #583, #615, #1358, #1387, and #1393. Street Taco Station (GF) Trompo al pastor tacos (pineapple, marinated pork), lime, cilantro, mini tortilla Brisket tacos (marinated brisket, Mexican street corn, jalapeno lime ranch, matchstick radish) House spiced chicharron BBQ pineapple jack fruit taco (veg) Crispy potato taco (veg) Sapore di Italia Station Mini flaky calzones Pepperoni Italian sausage Roasted beet and ricotta cups (veg) Mushroom vol au vents (veg) Mini puff pastry cups filled with creamy mushroom filling (veg) Gnocchi Action Station Crispy gnocchi served with a choice of vodka sauce or pesto (veg) Dessert Station Build your own mini pie with assorted fillings and toppings S'mores, bourbon banana, strawberry	04/02/2025	5:30 pm		
Elevate Reception	The Elevate reception brings together advocates for and allies of under-represented groups in the Architecture, Engineering, and Construction industries. This year we are showcasing all of the amazing work being done by the AEC industry non-profits focusing on equity, diversity, and inclusion. This is an open event for conference attendees and a great way to meet friends old and new in the steel industry from across the country. Join us for an evening of networking! Please indicate in your registration if you would like to receive more information on this event as it becomes available.	04/02/2025	7:30 pm		
CANCELED - Health & WELDness Run and Walk	Due to forecasted heavy rain and thunderstorms, we've made the difficult decision to cancel the Health & WELDness Run and Walk scheduled for April 3rd. The safety and well-being of our attendees is our top priority. Thank you for your understanding. Join us for a morning run, jog, or walk to celebrate health and weld-ness at NASCC: The Steel Conference! Start your day on the right foot and enjoy the view along the Ohio River. Whether you're a seasoned runner or a casual stroller, this 3-mile route will start by the Waterfront Park TurfMutt South Great Lawn. Led by AISC staff, this is the perfect way to jumpstart your day with energy and community. For more information visit - https://www.nascc.aisc.org/walk This event requires pre-registration.	04/03/2025	6:00 am		
Unlocking Creativity in Steel using RISA [EW11]	Presented by: RISA In the realm of structural engineering, creativity and innovation often walk hand-in-hand with complex technical challenges. This workshop is designed for engineers and designers eager to push the boundaries of conventional steel design using the advanced tools of RISA-3D. Join us as experts dive into specific real-world projects where the software's capabilities were used to explore creative, efficient, and structurally sound solutions for unique steel structures. Exhibitor Workshops are not eligible for PDH credits	04/03/2025	7:00 am		

Unlocking Success: How AWMI Membership Elevates Careers and Strengthens Companies in the Metals Industries [EW10]	Presented by: Association of Women in Metal Industries - AWMI Discover the benefits of membership with the Association of Women in the Metal Industries (AWMI). Membership is open to anyone in the metals industries who values growth, education, and collaboration. AWMI empowers our members through exceptional opportunities for personal and professional development tailored to the dynamic needs of the metals industries. As a member, you can access programs designed to enhance leadership skills, grow your business acumen, and expand your network. AWMI's mentoring initiatives, skill-building workshops, and leadership roles on chapter, regional, and international boards foster personal growth and confidence. Additionally, members benefit from industry tours, exclusive resources, and a supportive community that promotes career advancement for individuals and organizational growth for companies. Exhibitor Workshops are not eligible for PDH credits	04/03/2025	7:00 am		
Recommendations for Improving the Quality of Structural Engineering Design and Construction Documents [K2]	Ask any steel fabricator this question, "What do you think about the quality of the structural drawings you're seeing today?" and prepare to hear some honest feedback. Fast schedules, sophisticated modeling software, continually evolving building codes, increasingly challenging architectural designs, and young engineers taking on more responsibility earlier in their careers have increased the need for structural engineering firms to understand, identify, and pay close attention to everything affecting the quality of their designs and their design documents. This presentation discusses possible solutions to the challenges facing structural engineering firms striving to produce high-quality designs and high-quality documentation of those designs efficiently. Included will be a discussion on training for young engineers, recommendations for improving drawing quality and clarity, suggestions for validating the results of computer models, a discussion of issues related to connections and connection details, and a review of strategies for performing quality assurance reviews.	04/03/2025	8:00 am	Keynote [K]	Clifford Schwinger
Redefining Steel Detailing for Steel Framed Construction Projects [EW13]	Presented by: Virtuele A new way to manage your project, accelerate results and increase profit is here. Steel fabricators, engineers, and detailers often work with razor-thin margins, where even gathering the right information to start a project can be a challenge. Bridging the gap between design and having the necessary details for fabrication and erection is perhaps the biggest opportunity for steel fabricators to boost profitability. This is where Virtuele excels. Virtuele is a cloud-based BIM management and collaboration platform designed to streamline sharing, data reuse, and collaboration. Tailored primarily for steel-framed projects, where speed to fabrication is critical, Virtuele ensures everyone has real-time access to up-to-date information from a single, centralized source. It's the true democratization of BIM data in a user-friendly cloud platform. - Estimating - accelerate bidding with accurate MTOs that account for your shop preferences - RFIs and information gathering - watch RFI response times shrink due to the quality of documentation and transparency Virtuele provides - Detailing - save huge amounts of time in detailing by using predefined shop standards, connection	04/03/2025	9:45 am		

	libraries, and automated model checking that leverage your existing software but don't require you to learn it! - Communication - witness a natural increase in collaboration with the transparency, sharing capability, and clarity Virtuele provides - Project Status - keep everyone up to date on the status of the project - for any discipline Exhibitor Workshops are not eligible for PDH credits				
Fully Connected Models: How Engineers Can Break the RFI Cycle & Accelerate Timelines [EW12]	Presented by: SDS2 by AllPlan Tired of the RFIs and project delays that go along with traditional design methods? Discover how fully connected models—structural steel designs with pre-approved connections—are transforming the way projects are delivered. Explore how engineers can leverage SDS2 and SCIA, now together in the ALLPLAN software suite, to deliver models complete with optimized connections and comprehensive analysis. See how this transformative approach is redefining collaboration between engineers and fabricators, minimizing ambiguity and accelerating project timelines. Exhibitor Workshops are not eligible for PDH credits	04/03/2025	9:45 am		
How to Successfully Utilize Modeling Software for Bidding & Developing Erection & Safety Plans - Do's and Don'ts [Y6]	The use of modeling software for structural steel projects has risen significantly in the last few years. The number of companies utilizing these software programs has also significantly increased. Software suppliers are expanding the use of their proprietary systems. All of this has created a new challenge for the steel business - both fabrication and erection. This session will discuss when and how to utilize these modeling software tools for bidding, fabricating and developing erection and safety plans including the "Do's and Don'ts". Real life examples will be presented along with solutions for our industry.	04/03/2025	9:45 am	SafetyCon [Y]	Tim Duke, Josh Collins
Connections for Industrial Structures [C13]	This session will provide an overview of the methods to design and detail connections for industrial structures. Common connection types and suggested details will be presented along with design assumptions for sample connections. The session will focus on heavy industrial facilities and the connections related to common framing in these facilities, including laced columns and crane runway structures. Suggestions related to fatigue performance and constructability will also be presented.	04/03/2025	9:45 am	Connections [C]	Josh Szmergalski, Michael Kempfert
Simplifying the Implementation of Dampers with Moment Frames to Save Steel and Increase Resiliency [E5]	Fluid viscous dampers are an effective way to dissipate seismic energy in buildings, resulting in reduced steel tonnage, smaller foundations, and increased resiliency. The use of dampers for retrofit applications is growing rapidly in the US and around the world, but adoption in new construction has been limited. This presentation focuses on a newly developed prescriptive method for the design of new Special Steel Moment Frames with supplemental damping, the Taylor Damped Moment Frame (TDMFTM). This procedure utilizes Modal Response Spectrum Analysis for moment frame analysis and design with modifications to ASCE 7 Chapter 12 to remove barriers of nonlinear response history and peer review.	04/03/2025	9:45 am	Seismic [E]	Nathan Canney

Vibration Design of Recreational and Sports Facilities [N23]	Vibration serviceability of recreational and sports facilities is discussed in this session. Of particular interest are vibrations due to rhythmic group loads, running on tracks, and barbell impacts. Attendees will learn how to evaluate different types of athletic facilities to accommodate walking and running using AISC Design Guide 11.	04/03/2025	9:45 am	Design & Analysis/Engineering [N]	Brad Davis
Buying Green Steel: What, Why, and How? [G6]	Clients are increasingly asking fabricators to provide sustainable "green" steel on their projects. What is green steel? And who's asking? How can a fabricator deliver without affecting lead time or price? Join roundtables of designers and fabricators to discuss the feasibility and practicality of procuring green steel.	04/03/2025	9:45 am	Sustainability [G]	Max Puchtel
Start Them Young: Accessing youth apprenticeships for your organization [W6]	Building a training and mentorship program is a significant effort that can be a huge boon to a company's workforce development effort. The additional effort of registering and administrating Registered Apprenticeships is incentivized through federal and state financial support for the programs. Working with high-school-aged students brings its own challenges around understanding and complying with local child labor laws. Learn how to navigate the Registered Apprenticeship system with youth in mind and what to know when researching your state's system.	04/03/2025	9:45 am	Workforce Development [W]	Eric Hill, Stephanie Alkhafaji
Ethics in Negotiation: Crafting a Path of Integrity in the Art of Negotiation [Z5]	In this engaging session, participants will discover the crucial intersection of ethics and negotiation. Gain insights and skills needed to navigate negotiations with integrity, fostering a balance between achieving goals and upholding ethical standards.	04/03/2025	9:45 am	Business [Z]	James Reeves
Moment Connection - Design & Delegation Tips & Tricks [C6]	The presentation will discuss how different types of moment connections are designed and what is important to know and show if you are delegating these connection designs. Topics include welded and bolted connections, moment frames and cantilevers, net section checks, column doubler plate check plus more. The speaker will share some real life examples to help remind us why it is important to think of the forces and member sizes we use when delegating these types of connections.	04/03/2025	9:45 am	Connections [C]	Mara Braselton
Dream or Reality: Engineers, Fabricators, and Erectors Working Together [N8]	Good design doesn't happen in a vacuum, although, sometimes, engineers think it does. This session will take a fresh look at CASE 962D (A Guideline Addressing Coordination and Completeness of Structural Construction Documents) with the goal of helping attendees to understand what information is required on the drawings to get reliable bid and a constructable structure. The session will provide real-world examples, including moment connections, bracing, welding, and BIM coordination.	04/03/2025	9:45 am	Design & Analysis/Engineering [N]	Dave Isaacson
Beam Over Column – Who is Bracing Who? [N1]	This session will illustrate the instabilities which can exist in beam over column connections and unframed beam ends via case studies, previous published sources, and the presenters' personal experiences in evaluating failures of these connections. The three categories of compression forces that require stabilization at these connections are identified. Current code provisions will be summarized with conceptual methods provided on how to provide the appropriate stability at these connections.	04/03/2025	9:45 am	Design & Analysis/Engineering [N]	John Cocca, Jr., Conrad Paulson

Outside Detailing - Finding the Right Fit [D6]	This presentation will begin by reviewing the types of steel detailing problems fabricators often face due to having selected a firm which was not the right fit. Avoid what has not worked in the past by getting tips and tricks for how to find preferred, competent steel detailers, those which will service the needs of your company and provide the deliverables you are looking for. Learn how to build that solid working relationship by understanding the project from the steel detailer's perspective of their clients, how certain behaviors and timely decision making will make all the difference. When preventing problems is your goal, this is the session for you!	04/03/2025	9:45 am	Detailing [D]	James Bennett
Change Orders: How to Avoid Letting Them Make Their Problems Your Problems [L5]	In this presentation, we will learn how to avoid problems when preparing, negotiating, and accepting changes on a project. We will discuss the general application of law to change order negotiation and acceptance, and explain the rights, remedies, and protocol when confronted with work not contemplated in a contract.	04/03/2025	9:45 am	Legal [L]	George E. Pallas
Recreating Louisville's Convention Center [CS5]	Attendees will have the opportunity to learn the details of the $180 million renovation and construction of the Kentucky International Convention Center--from the unique vantage point of being inside the structure! The presenters will take you through some of the design decisions made during the $180.0 M project, such as whether to simply renovate the existing structure, build a completely new building, or a combination of both. Learn the why and how of the partial demolition of the west wing of the convention center, and a predominantly vertical expansion to accommodate additional exhibit and prefunction space plus new mechanical and roof structure.	04/03/2025	9:45 am	Case Study [CS]	Jeff Thiele, Dan Kubican
2025 Beedle Lecture: Todd Helwig [S6]	"A 30-Year Career Led by Buckling and Bracing Problems" This presentation is focused on a number of common stability and bracing problems that have been studied over the past 30+ years resulting in pragmatic solutions and design provisions. Many of the problems were derived from dilemmas, issues, or questions encountered in design or construction. The applications include lean-on bracing and other buckling solutions in columns and beams, system buckling solutions for long span girders, and details to improve the stability of girders or bracing behavior. The presentation outlines the process from the source of the problem, the fundamental research and solution, and design provisions that have resulted - where applicable.	04/03/2025	9:45 am	SSRC Annual Stability Conference [S]	Todd Helwig
Performance Testing of Coatings for Corrosion Protection of Steel Bridges [B6]	Two different laboratory studies will review the performance of a range of corrosion protection strategies including galvanizing, metalizing, and both industry-standard paint systems and emerging paint systems. Results will be used to infer expected longevity of these corrosion protection systems in different environments.	04/03/2025	9:45 am	Bridges [B]	Jennifer McConnell, Kristen Blankenship
Is Your Robot Calibrated? [QC6]	This session will address the critical topic of calibration, starting with the fundamentals and progressing to the specifics of automated and robotic equipment. Participants will learn the importance of proper calibration for ensuring accuracy, efficiency, and safety in operations. Through practical examples and demonstrations, we'll explore best practices for calibrating	04/03/2025	9:45 am	QualityCon [QC]	Larry Martof

	various types of robotic systems and automation tools. Attendees will leave equipped with the knowledge to maintain and optimize their equipment, ultimately enhancing performance and reducing the risk of errors.				
Robots, Cobots, and Other "Bots" - How Automation Can Affect Your Bottom Line [F9]	Are you considering purchasing robotic or automated equipment for your fabrication facility? Have you considered the possible impacts to your bottom line, both positve and negative? This session will review and discuss direct and indirect issues need to be evaluated and addressed before deciding to make an investment in additional equipment.	04/03/2025	9:45 am	Fabrication & Erection [F]	Tim Bradshaw
What The Deck? Correctly Specifying Steel Deck [J1]	You might think that steel deck is a simple product that requires little thought when specifying it for a project. You would be wrong! Some of the decisions can be made easily by looking at a load table from a deck manufacturer. But gravity load might not be your only worry. How about attachment to the supports? What are the best practices for designing for strength and servicability? What finish or coating is appropriate for this particular deck application? Fire rated assemblies might also be a consideration. This session will dive into these questions and more.	04/03/2025	9:45 am	Joist/Deck [J]	Josh Canova, Victor Esty, Janelle Sanderson
Construction Contracts 101: An Introduction to Important Contract Provisions and How They Impact Your Responsibilities [CAPS1-5]	(This session is only open to registered CAPS program 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.	04/03/2025	9:45 am	CAPS 1	Matt Skaroff
Simplifying Steel Girder Design [B17]	This session will discuss simplified design for straight skewed steel I-Girder bridges and methods for steel girder dead load deflections from a line girder analysis.	04/03/2025	9:45 am	Bridges [B]	Ajit Kamath, Tom Eberhardt, Dusten Olds
3D-Printed Pedestrian Steel Bridge [T6]	Exploring the design, engineering, and construction behind the 3D printed steel bridge at NASCC. This session will delve into the inspiration, Examining the design, engineering, and construction of the 3D-printed steel bridge at NASCC. This bridge incorporates both 3D printed components and traditional hot-rolled shapes. Attendees will hear from the design, construction, and fabrication teams.	04/03/2025	9:45 am	Technology [T]	Ryan Sherman, Eloy Rodriguez, Amanda Dodge
ISO 45001 - How It Will Transform How our Industry Manages Health & Safety [Y7]	Every business around the world is constantly looking for a program or innovation that will give them an edge or advantage over their competition. ISO 45001, the new international occupational health and safety (OHS) management standard provides this once-in-a-generation advantage that cutting edge businesses will quickly utilize. ISO 45001 has been developed to improve safety and health performance, identify and reduce workplace risks, enhance sustainability and create safer working conditions.	04/03/2025	11:00 am	SafetyCon [Y]	Robert Smith

Corrosion Inspections Using Phased Array Ultrasonic Testing (Demonstration) [EW14]	Presented by: Terracon Consultants Have you ever seen how phased array ultrasonic testing detects corrosion in anchor bolts? This demo is your chance! You'll also learn how to use a Skidmore for bolting tension per code. (RCSC) Exhibitor Workshops are not eligible for PDH credits	04/03/2025	11:00 am		
Practical Approaches to Building Cost-Efficient and Accelerated Short Span Steel Bridges [EW15]	Presented by: Short Span Steel Bridge Alliance Join us for an overview of standard steel bridge designs; economy and lifecycle costs; prefabricated bridges and accelerated bridge construction--and, of course, a look at the Short Span Steel Bridge Alliance's education resources! SSSBA is a group of bridge and buried soil steel structure industry leaders who have joined together to provide educational information and design tools for the cost-effective design and construction of short span steel bridges. Exhibitor Workshops are not eligible for PDH credits	04/03/2025	11:00 am		
AI Applications for Steel Fabricators [T7]	This session will explore the various opportunities for steel fabricators to leverage the capabilities of AI and machine learning. From estimating to production and forecasting, there are many applications for steel fabricators to consider when developing an AI program. This session aims to clarify these options and help participants understand how to implement them effectively.	04/03/2025	11:00 am	Technology [T]	Kereshmeh Afsari, Ruichuan Zhang, Grayson Ingram
Updates to D1.5 Welding Code [QC19]	Stay informed on the latest changes to the D1.5 Welding Code in this essential session for fabricators and erectors. We'll cover key updates that impact structural steel welding practices, including modifications to welding procedures, inspection requirements, and compliance standards. Attendees will gain insight into how these revisions influence day-to-day operations and ensure their projects meet the newest industry benchmarks for quality and safety. Join us to stay current and prepared for successful welding and fabrication in line with the latest D1.5 standards.	04/03/2025	11:00 am	QualityCon [QC]	Nina Choy
Advancements in SpeedCore Systems: Structural Performance under Fire Loading [I7]	This session will explore the latest research findings on SpeedCore Systems and their connections, focusing on performance during realistic fire-loading scenarios. Attendees will gain insights into cutting-edge design methodologies and examples of performance-based fire design, highlighting how SpeedCore systems can enhance safety and resilience in modern construction.	04/03/2025	11:00 am	Innovations [I]	John Hooper, Ataollah Anvari
Advancing Tubular Steel Connections with Laser Cutting	This session explores the use of Laser Cutting Technology (LCT) in fabricating tubular steel connections. Participants will learn about the technological advancements aimed at improving the quality, speed, and cost efficiency of fabricating steel tubular connections, while also contributing to a reduction in costs and embodied carbon. The course is built on the outcomes of the two major EU-funded projects: LASTEICON and LASTTS, coordinated by the instructor Prof. Alper Kanyilmaz. The projects focused on the application of LCT in fabricating wide flange beam to tube column connections as well as truss girder joints, demonstrating through extensive testing and simulations how LCT-fabricated joints can surpass traditional welded and diaphragm joint solutions in both performance and	04/03/2025	11:00 am	Fabrication & Erection [F]	Alper Kanyilmaz

Technology (LCT) [F3]	cost-effectiveness. The ongoing LASTTS project further expands the research, incorporating industrial collaboration to enhance market readiness for LCT in tubular steel construction. At the end of the course, the participants will explore the scientific and practical aspects of LCT, including comprehensive validation of joint configurations, the development of conceptual design guidelines, and practical examples. The course will also highlight the significant economic and environmental benefits of LCT, such as potential savings of up to 35% in steel frame costs, providing attendees with valuable insights into the future of steel tubular construction.				
Practical Considerations for Shear Connections and the Single Angle Connection [C9]	The presentation will focus on practical considerations of shear connections. We'll discuss the selection of simple shear connections, and dig into the advantages and disadvantages of several connection types in AISC Manual Part 10. The second half of the session will dive into critical information on the design of single-angle shear connections.	04/03/2025	11:00 am	Connections [C]	Bo Dowswell
Sustainability - Where Steel Shines [B18]	Using recycled content and reducing energy usage is not new to the steel bridge industry so you could say that steel has been sustainable since it's existence. This panel session will explore the future of sustainable infrastructure with an approach for the bridge market. It will also introduce practical recommendations to help implement change related to the latest advancements in materials and techniques that not only lower carbon emissions but also ensure robust infrastructure. Join us to explore how these advancements not only reduce carbon emissions for new construction but bring infrastructure renewal full circle through circular construction practices.	04/03/2025	11:00 am	Bridges [B]	Tim Hill, Derek Clemons, Lauren Alger
Floors and Roofs [S7]	1. Saleh Alshammari, "Modeling Steel Deck Diaphragms Using Beam Elements" 2. Oudom Chhoeng, "Stability and Response of Lacing Systems in Laced Built-up Truss Bridge Columns" 3. Kubilay Cicek, "Sensitivity of Open-Web Steel Joist Stability to Material and Geometric Property Variability" 4. Monamy Mustaq, "Global Buckling Measurement in Steel Decks using Fiber Optic Sensing, Infrared Optical Tracking, and Point Clouds"	04/03/2025	11:00 am	SSRC Annual Stability Conference [S]	Oudom Chhoeng, Kubilay Cicek, Monamy Mustaq, Saleh Alshammari
Students Connecting with Industry Sessions (SCIS)	You are invited to join us for the Students Connecting with Industry Sessions (SCIS) on Thursday, April 3! 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.	04/03/2025	11:00 am		Kelly Au, Matthew Fadden

Advanced Root Cause: Because ‘It Just Happened’ Isn’t an Answer [QC7]	In this engaging session, we’ll dive into the art and science of advanced root cause analysis, challenging the all-too-common response of 'it just happened.' Participants will explore effective techniques for identifying the true sources of problems, learning how to go beyond surface symptoms to uncover the underlying issues that disrupt operations. Through real-world examples and interactive discussions, attendees will gain practical tools to improve their problem-solving skills and foster a culture of accountability and continuous improvement in their organizations.	04/03/2025	11:00 am	QualityCon [QC]	Tanya Fletcher Scott, Todd Alwood
Seismic Evaluation and Rehabilitation of Existing Steel Structures [E4]	Seismic design of steel structures has advanced significantly in recent decades, leaving a large stock of existing steel structures with known seismic vulnerabilities. We will explore common component and system level vulnerabilities in older steel structures and how they can be retrofitted using AISC 342. This new standard brings substantial improvements and a new layout to the provisions for steel retrofit. Learn to apply this standard and state-of-the-art evaluation and retrofit techniques to the old steel building in your life.	04/03/2025	11:00 am	Seismic [E]	Dan Sloat
Steel Joists - Detailing & Design Fundamentals [D7]	This presentation will outline some technical aspects surrounding the open web steel joists/girders, potential advantages associated with the economy and efficiencies that those provide during and after construction. It will highlight 'Watch outs' for detailer and designers when dealing or coordinating with steel joists and the best practice to approach those situations.	04/03/2025	11:00 am	Detailing [D]	Maribel Fernandez
Hot Topics in Buckling Restrained Brace Frame Design [N9]	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.	04/03/2025	11:00 am	Design & Analysis/Engineering [N]	Kimberley S. Robinson, Bruce Horrocks
Load Paths: "It ain't over till it's over" [N11]	Like keeping your eye on the baseball, following load path in structure is fundamental. Winning teams practice this and deliver complete, efficient load paths from start to finish. Keys to setting up structures for success right of the bat will be reviewed: providing clear load paths, repsonsive framing, and structural drawings that cover the bases. Following through to connections and details, concepts will be shared for economical and creative approaches to resolve these - and any curveballs - to bring the final completed construction to a close for the win!	04/03/2025	11:00 am	Design & Analysis/Engineering [N]	Carrie Warner, Andrew Haas
An Understanding of AESS [CAPS2-3]	(This session is only open to registered CAPS program 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 understand the impact that AESS has on the project timeline and development.	04/03/2025	11:00 am	CAPS 2	Terri Meyer Boake

Bad Vibes - Avoiding Vibration Problems In Steel Joist Concrete Floors [J2]	Human-induced vibration is an important limit state for steel-framed floors. This session will cover vibration design criteria, emphasizing open-web steel joists. The AISC Design Guide 11 guidance will be reviewed and explained. Recent innovations will be described.	04/03/2025	11:00 am	Joist/Deck [J]	Brad Davis, Travis Hanson
Strong as Steel: Building Mental Might [W7]	This educational session aims to reduce the stigma surrounding mental health in the construction industry, break down barriers to accessing mental health resources, and connect employees to vital support services. Participants will learn about the unique mental health challenges faced by construction workers and the importance of fostering a supportive, stigma-free workplace. The session will also highlight Lexicon, Inc.'s initiatives, such as the on-site health clinic, telehealth services, Employee Assistance Program, and expanded leave options, which provide comprehensive support for employees' mental health needs.	04/03/2025	11:00 am	Workforce Development [W]	Roslyn Wyman, Carly Hurd
The Sustainability World Beyond A3 - Transport and Erection [G2]	The focus of design and procurement decisions surrounding structural materials has been on cradle-to-gate impacts, but what happens after the product arrives at the project site? This session will focus on the environmental impacts associated with the transportation (A4), and erection (A5), while also discussing operation (B) and end-of-life stages (C) of structural materials and the need to begin quantifying them. Level: Practitioner	04/03/2025	11:00 am	Sustainability [G]	John Cross, Tim Duke
Maintaining Firm Continuity Despite Staff Turnover [Z6]	How do we maintain company standards and “our way of doing things” in a constantly evolving world with a workforce that is increasingly externally mobile? This session aims to instill confidence in our ability to adapt. We will explore how companies can uphold their standards, values, and project continuity while navigating a changing staff. We will focus on the production side of our business and delve into some marketplace trends.	04/03/2025	11:00 am	Business [Z]	Jon Beier
Personal Leadership and Career Development [CAPS1-6]	(This session is only open to registered CAPS program 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. Attendance at this session is by invite only and is only open to accepted members of the CAPS program.	04/03/2025	11:00 am	CAPS 1	Justin Gilbert
A Look at the Complex Erection for the National Medal of Honor Museum [CS7]	From a tight schedule to changes in design for constructability, this session will provide an in-depth look at the challenges of erecting the National Medal of Honor Museum in Arlington, Texas. The structure includes a star-shaped 200'x200'x35' steel-framed exhibit hall supported by five pre-cast mega columns and includes 10 outer cantilevers ranging from 39 ft to 69 ft long, as well as five inner 26 ½-ft inner cantilevers. Attendees will get a close-up look at the challenges faced by the erector and engineer during erection planning and analysis with a focus on the keys to erecting a complex non-uniform project on schedule.	04/03/2025	11:00 am	Case Study [CS]	Carl Williams, Abhilasha Maurya, Soumya Amey

Subcontractor Preparedness and Readiness [F10]	Geared to those who (generally) hold subcontracts in steel construction (fabricators and erectors typically), this session is designed to help produce successful outcomes. We'll discuss preflight checklists and in-process triggers/risks, subcontract execution and closeout, preconstruction strategies, determining key factors in proposals, contract terms, and out-of-compliance subcontract issues.	04/03/2025	11:00 am	Fabrication & Erection [F]	Casey Brown
A One-of-a Kind Grasshopper Bridge over Salmon Creek [B7]	What type of designs are some state DOT's doing in-house? Come to this session to learn about the the New York DOT in-house design of a uniqure "grasshopper" bridge structure. The presentation will cover the design and construction phases of the 2023 Merit Prize Bridge Award Winning project in the medium span category.	04/03/2025	11:00 am	Bridges [B]	Matthew Pertierra
Thursday Lunch	At this time we are SOLD OUT Food and beverage locations are marked with the blue fork and knife icon on the exhibit hall map. They are booths #133, #451, #583, #615, #1358, #1387, and #1393. All boxed lunches come with crudites, potato salad, and a beverage Turkey, swiss, spinach on a sub roll Mayo packet Southwest veggie wrap (Vegitaran, available at booth #1358) Italian sandwich on a sub roll Mayo packet Turkey, swiss, spinach on gluten-free bread (Gluten-Free, available at booth #1358) Mayo packet	04/03/2025	12:00 pm		
What Got You Here, Won't Get You There [Z12]	What happens when your organization outgrows the skills/talents/abilities of the people who helped you build your company but aren't the people who can propel you to the next level? This session offers solutions for honoring legacy but building an organization to propel growth.	04/03/2025	1:45 pm	Business [Z]	Ricky Horton
Modeling Automation for Miscellaneous Steel [EW16]	Presented by: Steel Tek Unlimited LLC Want to automate Tekla modeling tasks for stairs, railings, grating, embeds, hanger rods, and more? Join us to learn how Steel Tek Unlimited plugins can make it happen. Exhibitor Workshops are not eligible for PDH credits	04/03/2025	1:45 pm		
A Fun Jeopardy Game - Steel Detailing Edition [EW17]	Presented by: Greenbrook Engineering Services Test your knowledge on the Trials and Triumphs of Steel Detailing by playing a game of Jeopardy presented by a company with over 25 years in the business. Every correct answer wins a prize! Exhibitor Workshops are not eligible for PDH credits.	04/03/2025	1:45 pm		
Being the Captain of your Ship [QC20]	In quality management, even the smallest oversight can sink the ship. This session highlights the importance of viewing your quality management system as a cohesive, global entity where every detail matters. Join us to explore how a holistic approach ensures smooth sailing and keeps your organization on course for success.	04/03/2025	1:45 pm	QualityCon [QC]	Peter Urbani
Frames and Systems [S8]	1. Damir Akchurin, "System-Based Design Methods: Reliability and Stability of Benchmark Structural Steel Frames" 2. Mahendrakumar Madhavan, "Behaviour of bolted apex connector in single-channel CFS portal frames - experimental study" 3. Mário Rosa, "A novel bracing concept for structural stability of ideal plane frames"	04/03/2025	1:45 pm	SSRC Annual Stability Conference [S]	Damir Akchurin, Mahendrakumar Madhavan, Mário Rosa

Ultra-Modern Cable-Stayed Solutions for the Chester Mississippi River Crossing [B8]	This session dives into the innovative engineering and strategic planning behind the winning cable-stayed design for the Chester Mississippi River project. Presenters will discuss how the team organized to develop solutions within a tight procurement timeline, focusing on technical innovations to boost scoring and efficiency. Key topics include the lightweight, post-tension-free steel superstructure, optimized anchor box and tower reinforcement layouts, seismic-resistant bearing restraints, and advanced corrosion protection designed to ensure a low-maintenance, 100+ year service life.	04/03/2025	1:45 pm	Bridges [B]	Martin Furrer, Stacy McMillian, Gregory Hasbrouck
Building Bridges: Insights from Leading Steel Fabricators [B19]	Join an engaging panel session with leading steel bridge fabricators who will share their experiences, challenges, and best practices in modern steel bridge fabrication. This interactive session will explore topics ranging from design collaboration and innovative materials to the latest construction techniques, with prepared questions guiding the discussion. Attendees will have the opportunity to ask questions and gain valuable insights into the future of steel bridge construction, industry standards, and sustainable practices. Whether you're a bridge engineer, project manager, or industry enthusiast, this session is designed to spark conversation and inspire progress in bridge fabrication.	04/03/2025	1:45 pm	Bridges [B]	Sean Peterson, Adam DeMargel, Brad Dillman, Nate Nielson
Best Coating Practices: Taking the PAIN out of PAINt [QC8]	During this presentation we will take a virtual trip to the PAINt Doctor where you will learn to self-assess whether you believe paint is really “just paint” or whether it is complex and sophisticated; whether PAINt is Painful for you and if it is, your pain tolerance level… that is your tolerance for coating failure and the associated consequences and costs. We will also explore the adequacy of your surface preparation and coating application processes/practices and the associated in-process quality checks, and finally what practices/processes you are willing to adopt or change to alleviate the pain.	04/03/2025	1:45 pm	QualityCon [QC]	William D. Corbett
AISC Design Guide 10 "Erection Bracing of Low-Rise Structural Steel Buildings"; Its Development and Practical Use [M11]	Since its original publication in 1997, Design Guide 10 has been an acknowledged standard for the design of temporary erection bracing and other temporary supports in low-rise (one and two story) steel structures. This presentation covers the development and contents of the Guide, and provides examples of the practical application of the Guide in the design of erection bracing.	04/03/2025	1:45 pm	Manuals, Standards, and Design Guides [M]	Thomas Getschman, Michael West
Steel Estimating 101 for Engineers and Architects [Z7]	Curious about how structural steel costs are determined? Steel Estimating 101 for Engineers and Architects is designed to demystify the process for you! In this course, industry experts will walk you through the key elements of structural steel estimating, helping you understand how design choices directly influence the overall cost of the steel package. By the end of the session, you'll have valuable insights and practical knowledge to make informed decisions, enabling you to better manage and control the costs of your projects.	04/03/2025	1:45 pm	Business [Z]	Steve Hamre, Mike Adamowicz

Outside the Manual: Designing Atypical HSS Connections Beyond Standard Guidelines [C8]	Hollow Structural Sections (HSS) are widely used in structural design, but some connection types fall outside the scope of the Manual or design guides. This presentation will focus on these atypical HSS connections, providing a detailed exploration of unique connection scenarios, such as laterally offset configurations. Attendees will learn how to navigate special design considerations, optimize for economy, and translate calculation results into practical detailing solutions.	04/03/2025	1:45 pm	Connections [C]	Brad Fletcher
ASCE 37-24 Updates [M4]	This session will review the updates in the latest issue of ASCE 37, which provides design loads requirements for partially completed structures as well as temporary structures used during construction.	04/03/2025	1:45 pm	Manuals, Standards, and Design Guides [M]	John Duntemann
The "Art" of the RFI: How you ask is just as important as what you are asking [F11]	When questions arise on a project, the Request for Information (RFI) is a method for asking and receiving a response to those questions. We will look at some best practices for submitting RFI's and review some actual RFI's, both good and bad, that will demonstrate the use of those best practices.	04/03/2025	1:45 pm	Fabrication & Erection [F]	Tim Bradshaw
Workforce Development Turned Upside Down: An Educational Partnership Case Study [W1]	In today's rapidly evolving economic landscape, investing in workforce development is not just a strategic choice but a business imperative. This educational session will delve into the critical importance of workforce development as a key driver of organizational success and sustainability. Participants will explore the tangible benefits of workforce development, including enhanced employee performance, increased productivity, and improved retention rates. The session will provide a comprehensive overview of how investing in employee skills and career growth can lead to a more agile, innovative, and competitive business. Key topics covered will include: Understanding the ROI of workforce development programs. Case studies highlighting successful workforce development initiatives. Strategies for aligning workforce development with organizational goals. Leveraging partnerships with educational institutions and training providers. Measuring the impact of workforce development on business performance. Join us to gain actionable insights and best practices for creating a robust workforce development strategy that not only empowers your employees but also drives your business forward.	04/03/2025	1:45 pm	Workforce Development [W]	Greg McLin, Carly Hurd
Augmented Reality in Structural Steel Construction [T8]	This session presents updates to the Speed-XR initiative, specifically implementing augmented reality technology to assist with the steel fabrication process. An overview of the big-picture aims of the project will be presented followed by progress achieved over the past year. The presentation will include both conventional slides and a live demonstration and will conclude with the future goals of this initiative.This session will provide updates on the Speed-XR initiative, focusing on the implementation of augmented reality technology to enhance the steel fabrication process. We will start with a broad overview of the project's main objectives, followed by the progress made in the past year. The presentation will feature traditional slides as well as a live demonstration. It will conclude with a discussion of the future goals for this initiative.	04/03/2025	1:45 pm	Technology [T]	Hannah Blum, Will Kraus

AISC Research: Innovations and Applications with Asymmetric Shapes [I8]	A recent study established hot-rolled asymmetric steel I-beam (or A-Shape) cross-sectional dimensions (for potential adoption in Part 1 of the AISC Steel Construction Manual). The primary motivation for hot-rolled A-shapes is to improve steel building economy, speed, and efficiency. Medium- to long-span floor systems in residential and commercial buildings have utilized shallow steel-concrete composite construction to compete with flat slabs. These composite floor systems typically use built-up asymmetric steel beams, along with other elements. A hot-rolled section using partial composite construction can provide a faster and more cost-effective solution. Extensive numerical and experimental research was performed to ensure the A-Shapes could be efficiently rolled while the partial composite performance met the construction and in-service demands for shallow-depth floor systems.	04/03/2025	1:45 pm	Innovations [I]	Matthew Yarnold
Quality for Structural Engineers [CAPS2-4D]	(This session is only open to registered CAPS program participants) This session equips structural engineers with practical methods to enhance quality in steel design and construction. Learn how to integrate key quality control measures into your design process and construction practices, ensuring compliance with industry standards and improving project performance. Attendees will gain actionable insight to consistently deliver high-quality steel structures.	04/03/2025	1:45 pm	CAPS 2	Jon Beier, John Kennedy
Quality for Fabricators [CAPS2-4F]	(This session is only open to registered CAPS program participants) Join with your fellow participants to use provided materials and references to solve quality issues. Conducted in round table fashion, each participant will play a key role in their group's success, as well as pickup on the findings of other groups to add tools to their quality toolbox.	04/03/2025	1:45 pm	CAPS 2	Tim Duke
Quality and the Erector [CAPS2-4E]	(This session is only open to registered CAPS program participants) This session offers project managers an overview of key quality principles for structural steel erectors. Learn how to navigate and implement Chapter N of AISC 360, focusing on inspection requirements and quality control measures that drive successful project outcomes. Equip yourself with the tools to ensure compliance and elevate project performance.	04/03/2025	1:45 pm	CAPS 2	Drew Heron, Curtis Harmon
Mastering Stability Design and Second-Order Analysis: Practical Tools and Insights [N12]	This presentation offers practical guidance for engineers on effective stability design and second-order analysis. Leveraging real-world questions from the AISC Steel Solutions Center, it highlights common issues and pitfalls, providing actionable insights and solutions to enhance your design practices. Join us to refine your approach and ensure robust, reliable structural designs.	04/03/2025	1:45 pm	Design & Analysis/Engineering [N]	Rafael Sabelli, David Landis
An Ironworker as a Safety Professional [Y8]	An ironworker is a professional craftsperson. There is a career pathway from being a craftsperson to becoming a safety professional. The individuals trade experience is the cornerstone of their career but does not have to be the end of it. Learn what the Iron Workers and IMPACT have done to help ironworkers who desire to advance in their career from working with the tools to becoming a safety professional.	04/03/2025	1:45 pm	SafetyCon [Y]	Wayne J. Creasap II, Blue Coble

Structural Inspections for Structures Designed to Seismic Provisions [E6]	This session offers a review of the new AISC 341 regarding structural inspections for structures designed to seismic provisions and discuss lessons learned from the 1994 Northridge Earthquake. Attendees will gain a better understanding of needed certifications, who can perform inspections on structural steel projects, applicable codes, and when seismic inspections are required.	04/03/2025	1:45 pm	Seismic [E]	Michael Bobinchuck
Seismic Retrofit and Corrosion Repair of the Transamerica Pyramid Spire [CS6]	This project entailed a detailed evaluation to provide a focused voluntary seismic upgrade and extensive corrosion repair and remediation within the spire of San Francisco's 800-foot-tall Transamerica. Attendees will come away with a better understanding of how balancing seismic safety, project budgets, and detailed analysis can significantly ameliorate a building that might have otherwise not been able to afford a seismic upgrade.	04/03/2025	1:45 pm	Case Study [CS]	Laura Weyl, Robert Pekelnicky
How to Keep Delegated Design a Friendly Collaboration [N10]	This session will explore the often-overlooked gaps and overlaps in delegated design responsbilities for structural steel elements including connections, joists, deck, stairs, and facade supports. We will examine the roles of the EOR and specialty engineer or specific product engineer. Examples of improper delegation and miscommunicated responsibilities that resulted in failures, cost overruns, and delays in schedule will be presented. Lastly, we will discuss practical strategies for organizing projects to ensure clear communication with a focus on friendly collaboration, fostering smooth execution and successful outcomes.	04/03/2025	1:45 pm	Design & Analysis/Engineering [N]	William Bast, Tim Holtermann
Efficient Steel Joist Design - Floors [J3]	Discover how steel joists (K-, LH-, and CJ-Series) can aid your floor framing design, offering unmatched economy and efficiency. This session will equip you with typical span/depth ratios and introduce the Steel Joist Institute's Floor Bay Analysis Tool, empowering you to make informed decisions and optimize costs. As Global Warming Potential (GWP) takes center stage, learn how steel joist construction can significantly reduce your project's environmental impact through weight savings. We'll delve into the advantages of flush framed bolted shear plate connections, ensuring both strength and aesthetics. And don't let floor vibration concerns hold you back. Explore the tools and resources available for accurate prediction and control, guaranteeing a comfortable and safe environment. Join us to unlock the full potential of steel joist floor systems and elevate your construction projects to new heights of sustainability and performance.	04/03/2025	1:45 pm	Joist/Deck [J]	Joe Pote, Dave Samuelson
Tips and Tricks for Learning New Detailing Software [D8]	Learning new software can be very daunting! We want to share with you some tips and shortcuts to learning new software, taking some of the fear of transitioning out of your workday! Here are some helpful hints which will speed up your learning, and enable you to create new product fast!	04/03/2025	1:45 pm	Detailing [D]	Ryan Wunderle
Sneak Peak - the AISC Sustainability Design Guide [G9]	Following in the tradition of a long line of ground-breaking documents, AISC is embarking on developing a sustainability design guide. This comprehensive design tool will provide an overview of the steel production industry, EAF vs. BOF steel-making, waste and material reduction strategies, whole building life cycle assessment guidance, sample specification language, a commentary on the current regulatory landscape, and guidance	04/03/2025	1:45 pm	Sustainability [G]	Jerome Hajjar, David Shook, Mark Chen, Dennis Pilarczyk

	on design for deconstruction among other things. Be the first to learn about this essential designer's tool that will be published in 2026.				
Enhancing Efficiency with Trimble: Next-Gen Connected Workflows in Tekla [EW18]	Presented by: Trimble Inc. This session will explore advancements designed to enable seamless and easy cooperation between steel detailers using Tekla Structures and structural steel fabricators using Tekla PowerFab. Join us to discover how the innovations in Trimble's Tekla software portfolio for 2025 are setting new benchmarks for efficiency and integration. Exhibitor Workshops are not eligible for PDH credit.	04/03/2025	3:00 pm		
Safety by Design - Adopting a Safety Mindset during the Design Phase [Y9]	This presentation focuses on the proactive integration of worker safety into the structural design process, with a particular emphasis on steel fabrication and erection. By examining real-world case studies, industry best practices, and current regulatory requirements, we will explore how thoughtful design decisions can significantly reduce construction hazards. Attendees will gain insights into identifying potential risks during the design phase and learn strategies to incorporate safety measures that not only protect workers but also streamline construction processes. Whether you are a practicing structural engineer or involved in the construction process, this course offers practical guidance for embedding safety into every aspect of building design.	04/03/2025	3:00 pm	SafetyCon [Y]	Tyler Winkley, Ryan McKinney, James Rivera
Designing With Perforated Metal [EW19]	Presented by: Accurate Perforating The architectural uses for perforated metal span a wide variety of interior and exterior applications for residential, industrial, and commercial projects. We'll review the applications and the specification considerations for standard and custom perforated metal, along with a discussion on how it is used to sculpt light, control sound, and compose views. Exhibitor Workshops are not eligible for PDH credits	04/03/2025	3:00 pm		
Teamwork Makes the Dream Work - Workshopping Sustainability [G3]	In 2024 AISC hosted three workshops that brought together sustainability AEC leaders from Chicago, Los Angeles, and New York City. These collaborations have been critical for AISC to learn how to better support designers in their mission to lower the embodied carbon in their projects by using structural steel. This session will describe how the outcomes of these workshops have fed into resource toolkits, exciting research innovations, and a sustainability design guide.	04/03/2025	3:00 pm	Sustainability [G]	Jonathan Tavarez
Navigating the Software Maze: A Deep Dive [N13]	In today's engineering landscape, selecting the right software is crucial for achieving accurate results. Join us for an insightful session where we'll review various engineering software programs for steel analysis and steel connection design, understand the impact of default settings, and offer modeling tips along the way. Discover the unique capabilities of each program, and gain valuable insights to confidently select the tools that best fit your project.	04/03/2025	3:00 pm	Design & Analysis/Engineering [N]	Sam Rubenzer
Joists To The World [J4]	This presentation will provide guidance to professionals specifying open web steel joists and joist girders. Attendees will learn about design considerations for both wind and seismic loads, as well as the use of steel diaphragms, frames, bracing systems, and commonly used details found in STI Technical Digest 4.	04/03/2025	3:00 pm	Joist/Deck [J]	James Fisher

What the NISD does to support the Steel Detailing Industry [D9]	This presentation provides a look at the history and development of the NISD into what it is today, and how the NISD works to support our steel industry partners. We will also discuss the continuing work and future plans for the NISD to help support and promote quality steel detailing, with a focus on the Individual Detailer Certifications and Quality Procedure Programs.	04/03/2025	3:00 pm	Detailing [D]	Jim Truitt, Kerri Olsen, David Merrifield
Delegated Design: Is it the Right Option for Your Project? [L6]	In this presentation, we will discuss the use of the term Delegated Design, how that term can vary from contract to contract, and recent developments to define Delegated Design and actual project experiences. We will also review projects where a Delegated Design delivery method was successful and where it was not.	04/03/2025	3:00 pm	Legal [L]	Edward Seglias, Jason Copley, Hakim Bouadi
Harnessing Cross-Section Stability with the Direct Strength Method [H3]	Knowledge is power. In this talk, Prof. Colin Rogers of McGill University will present the direct strength method (DSM), a method of cross-section stability analysis enabled in AISI S100, to a hot-rolled steel audience. Software and computational tools will be discussed, as well as the potential of the DSM to enable efficient design across steel members.	04/03/2025	3:00 pm	CFS [H]	Colin Rogers
Navigating Conflict: Strategies for Proactive Resolution to Prevent Uncomfortable Challenges [Z8]	In this session, participants will learn strategies that proactively address disputes to mitigate potential challenges. The session aims to empower individuals with the skills needed to foster a harmonious work environment, where conflicts are not avoided but managed effectively to prevent growing into more difficult challenges.	04/03/2025	3:00 pm	Business [Z]	James Reeves
Tips From Fabricators and Erectors to Designers on Ways to Reduce Cost and Increase Erection Speed [N22]	This session is an opportunity for engineers to learn lessons about how to improve their designs from those that are actually fabricating and erecting their designs. Attendees will learn practical recommendations that will impact specifications, safety, connections, and erection with the goal of reducing costs and increasing project speed.	04/03/2025	3:00 pm	Design & Analysis/Engineering [N]	Caitlin Makin, Dave Isaacson, Joe Melton
Navigating Composite Column Design with the New AISC Design Guide 6 [M6]	This session will introduce the fully updated second edition of AISC Design Guide 6 Composite Column Design, which reflects the latest advancements and provisions in Chapter I of the AISC Specification. Attendees will learn to use the accompanying spreadsheet-based program and gain insights into current design requirements. Practical applications of the new guide will be demonstrated through detailed design examples, equipping engineers with the knowledge to effectively design filled and encased composite members.	04/03/2025	3:00 pm	Manuals, Standards, and Design Guides [M]	Matt Trammell, Mark Denavit
Creative Solutions for	In this session, explore innovative approaches to shop talent recruitment by leveraging partnerships with local workforce development organizations. Featuring insights from the Workforce Training Programs and the Academies of Louisville, administrated by KentuckianaWorks, this presentation will guide you through practical strategies to attract, train, and retain skilled workers. Learn how to tap into these resources and resources like them to build a robust talent pipeline, enhance your recruitment efforts, and support your community's economic growth. Perfect for people managers, HR professionals, and business leaders looking to address talent shortages with creative, community-focused solutions. Key takeaways include: Strengthen				

Shop Talent Recruitment: Working with Your Local Workforce Development Organizations [W9]	Your Talent Pipeline – Learn how partnering with local high schools and workforce development organizations can help you attract and develop future skilled workers while increasing visibility for your company. Boost Employee Engagement & Morale – Encourage your staff to volunteer with students and mentor individuals reentering the workforce. These efforts can enhance job satisfaction, improve company culture, and build a sense of purpose. Develop Leadership & Communication Skills – Explore how mentoring, job shadowing, and engaging with creative partnerships can help employees strengthen their leadership, public speaking, and coaching abilities. Enhance Your Employer Brand & Community Impact – Position your company as a leader in workforce development by investing in young talent and second-chance hiring. These initiatives not only attract purpose-driven employees but also contribute to long-term economic growth in your community. Of Interest To: Erectors Fabricators Educators Engineers HR/Business Leaders	04/03/2025	3:00 pm	Workforce Development [W]	Angella Wilson, Tosha Ridenour
Erection Engineering Case Study - The Robert Day Science Center at Claremont Makenna College, Claremont CA. [CS8]	The Robert Day Science Center at Claremont Makenna College consists of a complex arrangement of three levels of full story trusses that are skewed relative to each floor above and below. The unique structure presented significant challenges pertaining to structural design, fabrication, and erection. This presentation will provide insight of these challenges from the standpoint of the Structural Engineer of Record, Fabricator/Erector, and Erection Engineer.	04/03/2025	3:00 pm	Case Study [CS]	Pat Hassett, Matthew Porter, Jorien Baza
Perspectives on Chapter N: Quality Control & Quality Assurance [QC9]	Join a dynamic panel discussion exploring the essential roles of quality control and quality assurance in structural steel projects, as outlined in Chapter N of the AISC Specification. A fabricator, erector, and engineer will share their unique perspectives on implementing Chapter N's requirements, discussing how to navigate common challenges, optimize inspection processes, and ensure quality at every project stage. Attendees will gain valuable insights into balancing compliance and efficiency, with practical takeaways to enhance quality management in their own projects.	04/03/2025	3:00 pm	QualityCon [QC]	Tim Duke, Mike Gase, Kerry Kreitman
Better Bridges: How Creating a Culture of Innovation and Harnessing AI Helped Aetna Bridge Streamline Quality and Certification Processes [T9]	This session will describe how one erector digitizes data and reporting for use with AI. By creating a program with OpenAI's API, they were able to leverage that program to act as a QC to provide insights and action items on their timesheets, log notes, and inspections.	04/03/2025	3:00 pm	Technology [T]	Morgan Field
One Sided Bolting - No "ifs", "ands" or "Nuts"! [C7]	The session is designed to delve into the intricacies of one-sided bolting options for HSS connections in lieu of welding and through-bolting. This session aims not only to introduce these one-sided bolting methods but also to delve into the technicalities, structural implications, and intricacies of one-sided bolting options for HSS connections in lieu of welding and through-bolting. Attendees can expect discussion that delves into the limit states within the supporting HSS member.	04/03/2025	3:00 pm	Connections [C]	Matthew Kawczenski

Modularizing Steel [I9]	Join us for an insightful seminar on how modular steel construction has been leveraged to dramatically reduce erection time while navigating the complexities of building codes and engineering standards. This session will explore the evolution of modular framing techniques—from truckable, stackable panels to large-scale industrial applications—and how these methods align (or sometimes conflict) with established design codes.	04/03/2025	3:00 pm	Innovations [I]	James Ryan, Dustin Wilson
The Dynamic Duo: The AISC Specification Section A4 and the AISC Code of Standard Practice [F12]	The AISC Specification and the Code of Standard Paractice are meant to be complimentary documents that work hand in hand. This session will explore the interaction between the two and review some of the key provisions that are designed to work togther.	04/03/2025	3:00 pm	Fabrication & Erection [F]	Larry Kruth
PBTG's/Kit-of-Parts: You can build it! [B20]	Press-brake tub girders (PBTG) are a solution that should be explored more by designers and owners. PBTG are available as a cold bent single plate or as built-up sections that are mechanically fastened. This session will focus on both approaches and demonstrate their cost-effectiveness and speed of construction.	04/03/2025	3:00 pm	Bridges [B]	Ted Zoli, George Chapman, Tyler Ward
Quality of Steel Bridge Materials: Imperfections and Inspections [QC21]	This session equips structural steel special inspectors with knowledge on evaluating steel bridge material quality. It covers non-injurious mechanical and injurious metallurgical surface and internal imperfections, focusing on identifying and understanding their impact on structural integrity.	04/03/2025	3:00 pm	QualityCon [QC]	Ronnie Medlock, Shane Vernon
Rehabilitation Techniques for Steel Bridges [B9]	Existing steel bridges can get a new lease on life thanks to proven rehabilitation and strengthening techniques that can easily take advantage of existing steel and extend the bridge’s useful life, and this session will explore two such projects. Constructed in the 1920s, Pittsburgh’s iconic Three Sisters self-anchored suspension bridges were recently rehabilitated and strengthened to prepare for many more years of future service. The US 50 bridge over the Blue Meas Reservoir in Colorado was recently repaired for T1 steel findings.	04/03/2025	3:00 pm	Bridges [B]	Aaron Colorito, Keely Matson, Jacob O'Brien
Special Topics I [S9]	1. Abdullah Alghossoon, "Developing Axial-Flexure (P-M) Interaction Curve for High-Strength Steel Members with Local and Global Stability Considerations" 2. Aakash Reddy Eetikala, "Comparison of AISC 360 and Eurocode 3 Lateral-Torsional Buckling Predictions to Results from a Comprehensive Experimental Database for Rolled I-Section Members" 3. Xi Peng, "Design and collapse simulation strength sensitivity of large-scale cylindrical tubes for wind turbine support towers in flexure"	04/03/2025	3:00 pm	SSRC Annual Stability Conference [S]	Abdullah Alghossoon, Aakash Reddy Eetikala, Xi Peng
Calendars & Templates: Practical Resources to Ensure Annual OSHA Compliance [Y10]	When it comes to OSHA compliance, requirements and expectations for employers are scattered amongst several different standards, regulations, and letters of interpretation. Getting a clear understanding of what is required, when it must be completed, and how it must be documented can feel overwhelming. In this session, OSHA compliance is broken down into an annual compliance calendar, providing dates, details, and standards of all employer responsibilities in a single location. Following the calendar (which will be shared with participants) ensures that over the course of 365 days,	04/03/2025	4:15 pm	SafetyCon [Y]	Julia Kunlo

Compliance [F10]	your company can feel confident during OSHA inspection that all regulatory expectations have been met. When partnered with helpful templates and checklists (all provided to attendees) to aid in proper documentation and retention, OSHA compliance just got a lot simpler.				
How to Reduce RFIs with Qnect for Autodesk® Revit® [EW20]	Presented by: Qnect LLC Qnect for Autodesk Revit automates the identification of steel framing issues within Revit, allowing users to visualize, coordinate, and resolve them early in the design process. Join us and learn how to: - Save time documenting complex framing reinforcements - Train young engineers to build accurate models, understand constructability, and design efficient structures - Resolve RFIs early .. with Qnect for Autodesk Revit! Exhibitor Workshops are not eligible for PDH credits.	04/03/2025	4:15 pm		
How Intelligent Laser Vision Is Drastically Transforming Robotic Welding in the Structural Steel Industry [EW21]	Presented by: Servo Robot Intelligent 3D laser vision--we've got your attention now, right? This state-of-the-art technology provides welding robots (including COBOTS) not only with eyes (vision) but also with intelligence, including advanced functions that help them adapt to the complexity of the different welding processes. Functions include automatic welding path generation, quick location of parts and features (seam finding), real-time seam tracking, and automated weld inspection. These systems can efficiently and easily automate processes like arc welding, laser welding, plasma cutting and even hybrid welding--and that same 3D vision data can optimize welding processes to guarantee optimal quality for structural steel manufacturing. Exhibitor Workshops are not eligible for PDH credits.	04/03/2025	4:15 pm		
What Engineers and Erectors Should Know About Bolts in Steel Bridges [B21]	Bolted field connections are used for many types of connections in steel bridges, but designers are not often aware of the testing and installation requirements that go along with bolted connections. This session will address many aspects of field bolting, including storage, sorting, tracking, testing, and installation.	04/03/2025	4:15 pm	Bridges [B]	Brandon Chavel, Erin Flynn, Jenna Attanasio
Special Topics II [S10]	1. Juan Sosa, "Optimizing the Structural Performance of Extruded Aluminum SHS and RHS with Internal Stiffeners" 2. Mashudha Sulthana, "Determination of minimum concrete layer in hollow concrete-filled steel tubular columns using plate buckling in an elastic medium" 3. Ann Sychterz, "Experimental and analytical stability of thick origami panels for deployable anchors to prevent coastal erosion"	04/03/2025	4:15 pm	SSRC Annual Stability Conference [S]	Juan Sosa, Mashudha Sulthana, Ann Sychterz
Database Driven Design Methods [T11]	How might we use data-driven methods to improve the efficiency of structural steel design and gain a competitive advantage? This session will explore how the steel industry is ‘engineering with data’, from grass-roots efforts to collect and curate structural steel test data, to the application of trustworthy data-driven models that are supporting AISC Technical Committee (TC) decision-making and future development of AISC structural specifications for steel framed buildings.	04/03/2025	4:15 pm	Technology [T]	Cristopher Moen
Three Fabricators Attend a Derby Party... [QC10]	...but when you have these three knowledgeable and respected steel fabricators sharing their collective wisdom, it's no joking matter. Join us for some top-shelf lessons learned and a generous pour of expertise, with answers to your steel fabrication questions as a chaser.	04/03/2025	4:15 pm	QualityCon [QC]	Jacob Thomas, Stephanie Green, Parley Dixon

Baird Center Expansion - Erecting a New Space for Milwaukee [F15]	The Baird Center (formerly the Wisconsin Center) in downtown Milwaukee underwent a major expansion and modernization to meet demand for the space. The convention and exhibition center added over 100,000 sf to the main exhibit hall, 30,000 sf rooftop ballroom with exterior terrace, new meeting rooms, and parking structure. Steel erection for the project had several logistical challenges and unique design elements that required a collaborative approach between steel erector Cullen-Smith and construction engineer CSD Structural Engineers. The session will provide an overview of challenges and solutions that led to the successful completion of the project.	04/03/2025	4:15 pm	Fabrication & Erection [F]	Adam Friedman, Adam Mentink
What Steel Fabricators need to know about the COSP [CAPS2-5F]	(This session is only open to registered CAPS program participants) The Code of Standard Practice is a critical resource for you in the steel fabrication business. This document provides trade practices fro those involved in the design, purchase, fabrication, and ereciton of structural steel. This session will provide a detailed review of specific sections of the Code for Steel Fabricators who are enrolled in the CAPS program.	04/03/2025	4:15 pm	CAPS 2	Babette Freund
What Steel Erectors need to know about the COSP [CAPS2-5E]	(This session is only open to registered CAPS program 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 ereciton of structural steel. This session will provide a detailed review of specific sections of the Code for Steel Erectors who are enrolled in the CAPS program.	04/03/2025	4:15 pm	CAPS 2	Larry Kruth
What Structural Engineers need to know about the COSP [CAPS2-5D]	(This session is only open to registered CAPS program participants) The Code of Standard Practice is a critical resource for you in the design business. This document provides trade practices fro those involved in the design, purchase, fabrication, and ereciton of structural steel. This session will provide a detailed review of specific sections of the Code for Design Engineers who are enrolled in the CAPS program.	04/03/2025	4:15 pm	CAPS 2	Kirk Harman
The Updated AISC N690-24 Specification for Safety-Related Steel Structures for Nuclear Facilities [M7]	This technical session will provide a comprehensive overview of the key updates in the 2024 edition of AISC N690 Specification for safety-related steel structures in nuclear facilities. Attendees will gain insights into the latest changes and enhancements to design requirements, material standards, and construction practices. Additionally, the session will offer a forward-looking perspective on upcoming developments and anticipated advancements in the field, ensuring participants are well-informed about current and future trends in nuclear facility structural design.	04/03/2025	4:15 pm	Manuals, Standards, and Design Guides [M]	Taha AL-Shawaf, Sanjeev Malushte
Design of Coped Beams for Lateral-Torsional Buckling [N5]	This session explores the design of coped beams with a focus on lateral-torsional buckling. Attendees will review boundary conditions, understand beam behavior, and learn effective design strategies. Practical design examples will illustrate key concepts and help attendees apply these principles to real-world scenarios.	04/03/2025	4:15 pm	Design & Analysis/Engineering [N]	Bo Dowswell

Touching Base: Seismic Design and Performance Assessment of Column Base Connections [E8]	This session addresses the challenges of designing and assessing column base connections in high seismic areas, focusing on current design standards and seismic provisions. Attendees will gain insights from recent research and the latest design methods, with practical recommendations for enhancing seismic performance in new buildings. The session also covers performance assessment strategies for existing structures, offering a comprehensive approach to improving seismic resilience.	04/03/2025	4:15 pm	Seismic [E]	Ahmad Hassan
10 Lessons in Steel Construction [F1]	Are your projects smooth as silk? If so, this session is not for you! We'll take a look at some real-world projects, examine what really happened, and offer some lessons on how we could have gotten better results. Presented by a life-long operations guy, this session presents the hard lessons learned from life in the trenches. This session is for everyone involved in steel projects (designers, detailers, suppliers, fabricators, and erectors) and interested in better project coordination and teamwork.	04/03/2025	4:15 pm	Fabrication & Erection [F]	Casey Brown
Quality Considerations for the use of Steel Castings in Building Construction [N14]	This session introduces the steel casting process and potential steel casting applications in building construction. Research objectives, activities, and findings of the Steel Founders' Society of America (SFSA) will be presented, along with casting quality considerations for steel construction. In addition, the status of an AISC steel castings design guideline, which will describe approaches to best practices, with be discussed.	04/03/2025	4:15 pm	Design & Analysis/Engineering [N]	Robert Fleischman
Unmanned Aircraft Systems (Drones) for Bridge Inspection [B10]	The emergence of Unmanned Aircraft Systems (UAS), commonly referred to as drones, in bridge inspection is opening the potential to improve the efficiency of inspection by removing traditional accessibility limitations. This session explores the development of a framework to properly engage the technology for use in steel bridges through performance-based criteria. The first presentation explores the responsible applications of using drones for bridge inspections, showcasing and expanding the findings from NCHRP 12-122. The second presentation aims to identify the challenges of integrating UAS technology into steel bridge inspection and the need for performance-based testing.	04/03/2025	4:15 pm	Bridges [B]	Jose Capa Salinas, Matt Hebdon, John Zuleger
What Steel Fabricators Can Learn from Green Chili [F13]	With 12 years of experience as a steel fabricator and 10 years as a steel detailer, David Weaver brings a rare and comprehensive understanding of the relationship between the two sides of the divide. Building upon a "green chili" concept, he will delve into the nuances that can help fabricators and detailers better understand each other's challenges, streamline communication, and ultimately enhance collaboration. Join David for an engaging session that bridges the gap between fabricators and detailers, offering practical tips and fresh perspectives to improve your workflows.	04/03/2025	4:15 pm	Fabrication & Erection [F]	David Weaver
Take the Bull by the Horns with Drop-In	Discover an innovative, erector-friendly alternative to traditional shear tab and double-angle connections in this presentation on drop-in top flange shear connections. This session will explore the latest research and development behind this novel connection, featuring a detailed overview of the full-scale testing program and insights from advanced numerical modeling. Gain a deeper understanding of how these connections can	04/03/2025	4:15 pm	Innovations [I]	Matthew Yarnold

Shear Connections [I6]	simplify construction processes and enhance efficiency. The session will conclude with practical design guidance to help you implement drop-in connections in future projects, providing valuable strategies to elevate your engineering and construction practices. Join us to learn about the future of steel connections!		pm		
Building a Resilient Workforce: Insights from SE3 on Compensation, Engagement, and Well-being [W10]	In this comprehensive session, we explore the latest insights from the National Council of Structural Engineer Associations SE3 (Structural Engineering, Engagement, Equity, and Excellence) initiative to help organizations create a more resilient and engaged workforce. We begin by analyzing the results of the latest Compensation & Benefits Survey, highlighting trends and best practices in the industry. The session then delves into the critical topics of employee engagement and burnout, offering strategies for self-management and company-wide policy implementation. Additionally, we address the importance of mental health support in the workplace, providing actionable steps to enhance well-being and retention. Join us to learn how to foster a supportive environment that not only attracts talent but also sustains a thriving workforce.	04/03/2025	4:15 pm	Workforce Development [W]	Jennifer Traut-Todaro, Jordan Jarrett, Natalie Tse
Stability Nitty Gritty: Means and Methods [H4]	We get into the weeds of stability analysis methods for both cold-formed steel and hot-rolled steel. The effective width method for hot-rolled shapes leads the session, followed by a deep dive into generalized beam theory. Opportunities for hot-rolled cross-section analysis are presented.	04/03/2025	4:15 pm	CFS [H]	Zhanjie Li, Rodrigo Gonçalves
Legal Lessons Learned with Building Information Modeling (BIM) [D10]	What risks to building design and construction teams face with Building Information Modeling (BIM)? Get insight and answers from an expert who has consulted in some of the nation's largest litigation cases and is one of the founding authors of the BIM Forum Level of Development (LOD) Specification. This is your chance to hear about legal lessons learned from risk management with BIM LOD.	04/03/2025	4:15 pm	Detailing [D]	William Ikerd, II, Hugo Lara, Angela Ritchie
Shear Lugs: Misconceptions and Misunderstandings when Connecting Steel to Concrete [C10]	A comprehensive review and comparison of the AISC Design Guide 1 and the ACI 318 approach to designing shear lugs. This session focuses on real-world experiences with the design of shear lugs, offers practical tips and advice, and emphasizes the importance of the steel and concrete engineers working together to to find the most efficient and effective solution.	04/03/2025	4:15 pm	Connections [C]	Barry Arnold, Bruce Horrocks
Lateral Load Resisting Frames With Joist Girders [J5]	Later load resisting frames are an important part of the design of many structures. Using SJI Technical Digest 11 as a reference, this session will highlight key points for the use of open web steel joists and Joist Girders in lateral load resisting systems for wind and seismic loads. The presentation will address commonly used frames, diaphragms and bracing systems and present common connection details along with effective ways to communicate the design requirements to the joist manufacturer.	04/03/2025	4:15 pm	Joist/Deck [J]	Sameer Fares, Gerald McKenzie

Embodied Carbon of Construction Materials: What's In the Numbers [G4]	This session will provide an in-depth look at how embodied carbon values are determined for construction materials including steel, concrete and wood and their comparability. Attendees will gain a better understanding of the limitations, context, variability, and uncertainty involved when looking at embodied carbon.	04/03/2025	4:15 pm	Sustainability [G]	John Cross
AISC President's Reception (Private Event - Invite Only)	The reception is invitation only and for AISC full members and our committee volunteers.	04/03/2025	5:30 pm		
Conference Dinner	Please see full event details (including menus and entertainment) here! An Evening on the Town Louisville's Southern hospitality awaits--and there's a reason the editors of Travel and Leisure included Bourbon City in their list of the 50 best places to travel in 2024. Get to know Steel Conference participants from the full spectrum of AEC fields during our block party at Fourth Street Live! Enjoy food and beverages from The Sport & Social Club, Tavern on Fourth, and PBR Louisville--plus a live band in the street--from 7:00 p.m. to 10:00 p.m. Thursday night. This event will take place rain or shine, with most of the event space indoors and the outdoor areas covered, so you can enjoy the fun no matter the weather! This event requires pre-registration.	04/03/2025	7:00 pm		
Steel Connection Design in RFEM 6! [EW22]	Presented by: Dlubal Software, Inc. RFEM 6, the most powerful FEA structural analysis software, now includes AISC connection and base plate design! Design goes beyond a standard analytical model with the automatic creation of an FEA model internally allowing design of unique or non-standard connections. Choose from the extensive library of predefined steel connection templates or create your own. Design of steel members or hybrid structures is possible all within a single program! See first-hand how RFEM takes you beyond your current design software. Exhibitor Workshops are not eligible for PDH credits	04/04/2025	7:00 am		
Connection Design Structural Integrity Requirements [C14]	This session will cover the history and application of structural integrity requirements as it relates to connection design. The session will discuss these requirements as presented in both the International Building Code, the New York City Building Code, and AISC 360. It will also present examples of how these requirements apply to different connection types.	04/04/2025	8:00 am	Connections [C]	Casey Peterson, Michael Kempfert
Autonomous Welding Redefined: Cortex AI's Answer to Fabrication Challenges [EW23]	Presented by: AGT Robotics & Exact Detailing 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. Exhibitor Workshops are not eligible for PDH credits.	04/04/2025	8:00 am		

The Efficiency of the Connected Model [T10]	One GC, EOR, fabricator, detailer, and one connection engineer will discuss connected model benefits and pitfalls. This session will examine several projects in which connected models were used with input from each team member. The theme will be the value obtained for the overall project and the steel industry	04/04/2025	8:00 am	Technology [T]	David Wright, Darren Hartman, Michael Gustafson
Arch-itectural Bridges: Innovations in Steel Network Tied Arch Bridges [B22]	Network tied arches can be advantageous for signature bridge structures due to their span length, stiffness, and aesthetic appeal. This session will explore two case studies with unique geometrical and construction constraints. Presentations will include discussion on the design analysis techniques used as well as erection engineering and accelerated construction methods.	04/04/2025	8:00 am	Bridges [B]	John Kintz, Ted Zoli
Stainless Steel and Aluminum [S11]	1. Rolando Chacón, "Strategic Use of Austenitic Stainless Steel in Dissipative Zones of Eccentrically Braced Frames" 2. Xi Chen, "Local stability of 3D-printed stainless steel channel sections under compression" 3. Liya Li, "Local Buckling of Extruded Aluminum Circular Hollow Sections under Combined Load Cases"	04/04/2025	8:00 am	SSRC Annual Stability Conference [S]	Rolando Chacón, Yao Sun, Liya Li
Lessons Learned Along the Way – Project Management Edition [F6]	Lean the lessons from an experienced project manager that you can apply at your company. These lessons will help manage the risk that you face each and every day in structural steel construction.	04/04/2025	8:00 am	Fabrication & Erection [F]	Scott Monsanto
Preheating for structural welding – AWS D1.1 Table 5.8 and Annex B versus AWS D14.8M [QC11]	Preheating and maintaining interpass temperatures can take considerable shop or field time, with added costs for both labor and fuel gases or electrical energy. Steel fabricators and erectors typically rely on prequalified WPSs using AWS D1.1 Table 5.8 – Prequalified Minimum Preheat and Interpass Temperature, as cited in Clause 5.7. Annex B, Guidelines on Alternative Methods for Determining Preheat, a normative annex, provides two methods to determine preheat and interpass temperature requirements based on the steel's composition and thickness, the filler metal's diffusible hydrogen, and joint restraint. AWS Standard D14.8M:2009, (ISO/TR 17844:2004 IDT) Standard Methods for the Avoidance of Cold Cracks provides four methods to determine the required preheat. Two methods (CE and CET) are based on European standards, one (CE N) is based on a Japanese Standard, and one (P cm) is based on Annex B. All have been used successfully for decades. With today's cleaner and lower carbon steels, combined with the use of H4 and H8 low-hydrogen filler metals, time and cost savings, as well as environmental benefits, can be easily achieved using these alternative methods for determining preheat requirements.	04/04/2025	8:00 am	QualityCon [QC]	Robert E. Shaw, Jr.
A Jolt of Bolting: How to Use Them in HSS Connections [C11]	While many fabricators often prefer bolted connections, engineers sometimes grapple with detailing and designing bolted hollow structural steel (HSS) connections effectively. Join us as we dive into the world of bolting options for HSS, covering everything from conventional bolts and through-bolts to access holes and proprietary one-sided bolts. We'll uncover HSS-specific limit states, recommended details, and practical design examples to help you select the ideal bolting solution. Discover how to	04/04/2025	8:00 am	Connections [C]	Cathleen Jacinto

	enhance your HSS bolted connections to streamline fabrication and erection.				
Steel Joists Now and Forever: Evaluation and Reinforcement Methods [J6]	Many engineers are tasked with evaluating an existing joist-framed building for new structural loads or necessary retrofit modifications. This session presents design procedures for structural evaluation and retrofit and reinforcing details for steel joist systems in existing buildings.	04/04/2025	8:00 am	Joist/Deck [J]	Bruce Brothersen, Walter Worthley
Rules of Thumb for Designing Curved HSS [N15]	The bending and forming of structural steel members have undeniably transformed the landscape of the structural steel industry, empowering architects and engineers to create increasingly impressive and innovative designs. When selecting the ideal shape for a curved structural member, design teams have numerous options, yet utilizing Hollow Structural Steel (HSS) members significantly enhances the serviceability and aesthetics of the structure. It's crucial to address the challenges that arise for bender/rollers when working with curved HSS members. In this session, we will explore the intricate processes involved in bending and rolling HSS, along with the challenges presented by cross-sectional distortion. Attendees will gain valuable insights into curving mechanics, including the positive and negative impacts of work or strain hardening. Additionally, we will discuss practical strategies to mitigate distortions, thereby improving performance and ensuring longevity in your projects. This presentation is tailored for engineers, architects, and designers eager to optimize their structural designs and deepen their understanding of HSS member rolling and forming techniques. Join us to uncover innovative approaches in bending and rolling that can elevate your next project to new heights!	04/04/2025	8:00 am	Design & Analysis/Engineering [N]	Ken Pecho
Why Do Steel Detailing Changes Cost so Much? [D11]	Is it cheaper to wait till the drawings are finished to make a change? This session will describe in detail the process for incorporating contract drawing changes into the shop detail and erection drawings and how the timing of these changes makes a difference. Discussion will include the design gap issue – finding what is missing, the importance of detailing kick off meetings, the timing of RFI's and how they hold up projects, the extended circumstances of changes, contract changes after execution, the impact to the detailing process and staff and calculating the financial impact.	04/04/2025	8:00 am	Detailing [D]	Ryan Wunderle
What's the Deal with Appendix 1: Advanced Analysis in AISC 341 [E10]	This session will provide an overview about the opportunities for innovation and efficiency when using advanced analysis per Appendix 1 in the Seismic Provisions. A brief overview of Appendix 1 will be provided, followed by several examples of its application in design projects.	04/04/2025	8:00 am	Seismic [E]	Rupa Garai
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,	04/04/2025	8:00 am	Design & Analysis/Engineering [N]	Brandt Saxey

341-22 [M1]	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. The session will review the requirements and some of the most common methods of checking the new AISC overall stability provisions of BRBF.				
Steel Bridges – Unique Solutions to Complex Design Challenges [B11]	Steel is an adaptable solution for bridges subjected to a variety of unique design challenges, such as long spans, limited vertical clearance, architectural requirements, and more. Dive into the complexities and innovations behind two prominent steel bridge projects in this dynamic session: the Pierre-Fort Pierre Missouri River Bridge and the Pittsburgh International Airport Terminal Front Bridge. These projects represent significant engineering achievements in steel, each with its own set of unique challenges and solutions. Join leading design engineers as they share their expertise and experiences from these landmark projects. This session offers valuable insights into overcoming complex engineering challenges and implementing innovative solutions in large-scale steel bridge projects.	04/04/2025	8:00 am	Bridges [B]	Sam King, Ryan Jenkins, Hadly Eisenbeisz
Pros and Cons of SFR Systems [E2]	How do you know during schematic design if you're proposing the right seismic force resisting system for the project? This session will provide an overview of the available seismic force resisting systems, a discussion of the pros and cons of each system, and a summary table that you can use as a talking point to help guide the design team to select the seismic force resisting system.	04/04/2025	8:00 am	Seismic [E]	Troy Dye, Tim Price
Meetings: The Good, the Bad and the Productive – make every minute count [Z9]	We all spend too much time in meetings without considering their purpose and effectiveness. Join us for an interactive session on enhancing your team's performance through better meetings. Discover simple and practical strategies to evaluate your meetings, improve communication, engage your team, and streamline the process. Let's make every meeting count toward hitting your goals!	04/04/2025	8:00 am	Business [Z]	Todd Weaver
Student-Only Event | Forge Your Future: Exploring the Structural Steel Industry [W11]	Student-Only Event Forge Your Future aims to educate CTE educators and students about the domestic fabricated steel industry through a generous half-day experience at The Steel Conference and a local structural steel fabricator. This year, we are joined by ACE Mentor Louisville participants in career and technical education curriculums. High school CTE staff and students are joining the steel industry for our biggest national convention to learn about the variety of careers in structural steel. A short panel discussion among the architects, engineers, and steel fabricators responsible for the Kentucky International Convention Center will kick off the program, followed by a live scavenger hunt in the facility. Following the scavenger hunt, the students will visit local AISC member fabricator, Padgett, Inc. in nearby New Albany, IN for lunch and a facility tour.	04/04/2025	9:00 am	Workforce Development [W]	Jennifer Traut-Todaro

Snack Break	Food and beverage locations are marked with the blue fork and knife icon on the exhibit hall map. They are booths #133, #451, #583, #615, #1358, #1387, and #1393. Assorted Breakfast Pastries Assorted muffin tops House-made yogurt parfaits Strawberry Yogurt, Fresh Strawberries Granola and Vanilla Yogurt Bourbon bacon snack mix Coffee and hot tea	04/04/2025	9:00 am		
From Concept to Compliance: AISC Steel Design in RFEM 6 [EW24]	Presented by: Dlubal Software, Inc. Experience RFEM 6, the most powerful FEA structural analysis software, complete with AISC member and connection design. View the efficient analysis and design process from start to finish with the intuitive user interface and CAD-like modeling tools. Comprehensive member design ratios, equations, and variables with code references provide full program transparency. Plus, advanced features like 7 DOF, stability analysis, and nonlinear materials give you the edge to outperform the competition. See first-hand how RFEM takes you beyond your current design software. Exhibitor Workshops are not eligible for PDH credits.	04/04/2025	9:15 am		
Bolted Solutions for SpeedCore Systems [I10]	This session will explore the latest in research, development and practical applications in bolted connection solutions for SpeedCore systems for wind-governed designs.	04/04/2025	9:15 am	Innovations [I]	Amit Varma, John Hooper
An Inside Look at the Updated Design Guide 16 – Assessment and Repair of Structural Steel in Existing Buildings [M3]	Join us for an insightful technical session on structural condition assessment featuring the new AISC Design Guide 16 Assessment and Repair of Structural Steel in Existing Buildings. This session will delve into the crucial process of evaluating the health of existing steel building structures, focusing on their composition, integrity, and potential risks. Discover how the new Design Guide assists structural engineers in assessing, evaluating, and repairing steel buildings, addressing common conditions, and ensuring informed decision-making for repairs and upgrades.	04/04/2025	9:15 am	Manuals, Standards, and Design Guides [M]	Christopher Hewitt
AISC 358 – The How and Why of Prequalified Connections [M2]	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.	04/04/2025	9:15 am	Manuals, Standards, and Design Guides [M]	James Swanson
Women in Construction: How to Mentor Them and How They Mentor Others [Z10]	In eight years the presenter has gone from graduating college to being a director in charge of 20 employees and counting. Her team is responsible for managing projects supporting 700 iron workers as well as supply only and design contracts. Her career focus is on how to build teams, remove biases that prevent team diversity and maximize individual performance to reach their full potential. In this session, she shares advice on how to set objective goals, overcome unconscious gender biases (in yourself and others), build confidence, offer constructive criticism, and provide leadership to a diverse workforce.	04/04/2025	9:15 am	Business [Z]	Caitlin Makin
Case Studies in Professional Ethics [Z2]	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.	04/04/2025	9:15 am	Business [Z]	Tara Hoke, Bruce Horrocks

How the Steel Industry can Benefit from Using LinkedIn [D12]	LinkedIn is a powerful tool that you should be using! Learn how you may build new work relationships, obtain more work and even how to attract talented employees. We will learn about 'Spark Notes' and other important lingo, plus a host of things you will need to know when getting started. There will also be discussion on 'Goodies', 'Growing' and 'Positives', as well as 'Things to Avoid' and 'Game Theory'. If you are not currently using the opportunities available on LinkedIn, you are missing out on a simple yet very effective way to support your company growth and sales!	04/04/2025	9:15 am	Detailing [D]	Riley Bennett
Welding In, On, and Around Steel Joists [J7]	The welding of steel joists has taken many forms over the nearly 100 year history of the industry. Standardization has helped specifiers have confidence in the finished products used in thousands of projects every year. There remains a hangover of misunderstanding about how joists are welded, what aspects of AWS criteria apply, and what should the EOR know about welding of joists.	04/04/2025	9:15 am	Joist/Deck [J]	Curt Decker, Russ Balvin
Quality Coatings - Get it Right or Face Costly Rework [QC12]	While steel is a widely accepted material of construction for highway bridges, buildings, tank, pipe, and other structures, it is subject to deterioration by corrosion if not properly protected. Installation of protective coatings is the primary means of corrosion protection for steel, which can include liquid and powder coatings, thermal spray (metallizing), galvanizing, and even duplex coating systems. Weathering steel is alternative in the right environments and can be coated in zones to prevent rapid deterioration. These protective systems only work if the surface is prepared properly, and the coating system is installed correctly. This presentation will describe common corrosion prevention systems used in various industries, highlight the various stages in the coating process, illustrate what can happen when these processes are not followed, and describe the investigative process when a catastrophic coating failure occurs. The value certified coating inspectors and accredited fabrication shops bring to the steel industry will complete the presentation.	04/04/2025	9:15 am	QualityCon [QC]	Heather Gilmer, William D. Corbett
Fundamentals of Bolting [CAPS2-6]	(This session is only open to registered CAPS program 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.	04/04/2025	9:15 am	CAPS 2	Chad Larson
Innovations in Cold-Formed Steel Diaphragms [H5]	Three cutting-edge research efforts on innovations in light cold-formed steel diaphragms are presented. The work highlight the potential in light steel diaphragms and the performance of these systems.	04/04/2025	9:15 am	CFS [H]	Sophrenia David, Sheila Ariana, Omar Al-Masarani

When Shear Connections Aren't (Shear Connections) [C12]	It is common to refer to all connections at the ends of horizontal members as “shear connections”. However, sometimes these end connections are called on to transfer more than shear. The first part of this session will focus on end connections that transfer both beam shear and axial reaction will be considered. In the second part, the focus will be on end connections that transfer both beam shear and additional reactions other than axial will be considered, including torsion, weak-axis shear, and combinations of various demands.	04/04/2025	9:15 am	Connections [C]	Larry Muir
Single Angle Compression Member Design [N16]	Single angles are commonly used as compression members in building structures. They are found as webs and chords of trusses, members of space frames, diagonal braces in lateral load resisting systems, and lateral bracing for both flexural and compression members. Design according to the AISC 360-22 Specification provides a wide range of approaches to their design. The design of single angles might permit ignoring eccentric loading under certain circumstances at one extreme. But it could also require the determination of the lowest root of a cubic equation at the other. This presentation will address determination of single angle compression member strength under a wide range of conditions considering pure compression, when eccentricity can be ignored, conditions when eccentricity must be considered, and the impact of angle leg slenderness. The attendee will receive a complete picture of the design approaches for single angle compression members and an understanding of how the Manual tables can aid their design.	04/04/2025	9:15 am	Design & Analysis/Engineering [N]	Louis F. Geschwindner
Thin-Walled Structures I [S12]	1. Eduardo Batista, "Lipped channel cold-formed steel columns: “all-in-one” design approach including the buckling interaction models LG, LD, DG and LDG" 2. Mohammad Adil Dar, "Web crippling analysis of CFS open built-up sections subjected to interior one-flange loading" 3. Michael Seek, "Evaluating the effectiveness of stay-in-place forms to improve the torsional stability of box beam bridges during erection."	04/04/2025	9:15 am	SSRC Annual Stability Conference [S]	Eduardo Batista, Mohammad Adil Dar, Michael Seek
WTF - What The Finish?!?! [N26]	The session will review types of finishes on steel, including intumescent paint, hot-dip galvanizing, powder coating, including the benefits and limitations. This will be a must attend for those looking to know where the issues occur and how to avoid them, and how this all ties into AESS.	04/04/2025	9:15 am	Design & Analysis/Engineering [N]	Kevin Coursin, Matthew Haaksma, Russell Norris, Jeff Scagnelli
The New Frederick Douglass Bridge - 3 Different Perspectives [B12]	The New Frederick Douglass Bridge won the 2024 Bridge of the Year Award. This session will take a deeper dive into the design, the fabrication, and the construction of the bridge.	04/04/2025	9:15 am	Bridges [B]	AJ Cardini, Emma O'Brien, Lauren Keeley
The Latest AASHTO/NSBA Collaboration Documents [B23]	This session will introduce the recently published AASHTO/NSBA collaboration document on steel bridge field repairs. It will describe the scope and content of the document and provide in-depth coverage of unique aspects of the guide. Example implementation will be described for repairs of a steel girder damaged from an over-height vehicle strike.	04/04/2025	9:15 am	Bridges [B]	Kyle Smith, Bob Cisneros

Growing Rowhouses - 2025 Forge Prize Winner [A11]	The 2025 Forge Prize winner will present their winning housing proposal in New York, which leverages modular structural steel construction to activate underutilized rear yard spaces within established rowhousing blocks. The proposal demonstrates how structural steel plays a critical role in expanding housing opportunities in dense urban settings. Developed in collaboration with fabricator Ralph Barone of Barone Steel, this session will highlight the integration of design, policy, and construction innovation.	04/04/2025	11:00 am	Architecture [A]	Ho-gyum Kim
International Steel Bridges [B24]	Two innovative international projects, involving the construction of three bridges, will be summarized. Together, these projects discuss innovative structural configurations, procurement methods, accelerated construction techniques and other construction engineering considerations, the role of architectural input, and considerations of dynamics due to wind and pedestrian footfall.	04/04/2025	11:00 am	Bridges [B]	Murray Johnson, Wolfram Schwarz
Thin-Walled Structures II [S13]	1. Kim Rasmussen, "Flexural-torsional buckling of built-up cold-formed steel columns" 2. Shafqat Ullah, "Numerical assessment and seismic performance evaluation of thin-walled cylindrical liquid-filled steel storage tanks supported on rigid soil" 3. Amoke Shabhari, "Optimum Web Stiffener for the Buckling Stability of Web Perforated Cold-formed Steel Storage Rack Columns"	04/04/2025	11:00 am	SSRC Annual Stability Conference [S]	Kim Rasmussen, Shafqat Ullah, Amoke Shabhari
Branching Out: The Design and Construction Innovations Behind Pittsburgh’s New Terminal [CS2]	The new terminal building at Pittsburgh International Airport serves as the marquee project for the $1.1 billion Terminal Modernization Program. Distinguished by its iconic roof design and location above an active transit tunnel, this project required innovative approaches in both design and construction. This presentation will provide an overview of the project, highlighting three key features: the advanced foundation transfer system, the organically shaped roof structure, and its supporting tree columns. This presentation will explore the creative solutions applied throughout both the design and construction phases to bring this ambitious vision to life.	04/04/2025	11:00 am	Case Study [CS]	Karen Grossett, Cam Baker
Wrap up for the Career Accelerator Program for Steel (CAPS) for NASCC 2025 [CAPS-ALL]	(This session is only open to registered CAPS program participants) This session will serve as a wrap up to AISC's Career Accelerator Program for Steel (CAPS) for both cohorts at the 2025 NASCC. Participants in the CAPS program 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 both 2025 cohorts the opportunity to partisipate in a open discussion on what they learned and how we can improve CAPS. Attendance at this session is by invite only and is only open to accepted members of the CAPS program.	04/04/2025	11:00 am	CAPS 1, CAPS 2	Mark Holland, Christian Crosby
Hot off the Presses: Recent Research in Cold-Formed Steel [H6]	Curious what's new in the super-slender end of the spectrum? Get a thin steel information download with three talks on hot-off-the-presses cold-formed steel research.	04/04/2025	11:00 am	CFS [H]	Benjamin Schafer, Cao Hung Pham, Shahab Torabian
	This will be a live forum for attendees to ask questions involving steel detailing. We will have a 'questions box' at the NISD booth at NASCC for people to deposit their written questions for answering at this Panel Discussion, though 'live' questions may also be asked. You may have specific 'design gap' questions, or questions on how steel detailers may				James Bennett,

Ask a Detailer [D13]	help steel fabricators and erectors be more efficient. Questions may also be asked regarding the various software programs and their cross platform workability. Our panel of four steel detailing firms' owners, all located in different regions of the United States will answer your questions to the best of their experience. You don't want to miss this opportunity for some lively conversations regarding various project delivery methods, processes and procedures!	04/04/2025	11:00 am	Detailing [D]	Adam Williams, Ted Hulsman, Brett Testerman
Shop Welding Fundamentals for D1.1 [QC13]	Are you looking to learn the basics of welding? Then, this is the session for you. Topics will include learning about WPSs, setting up your machine and steel, to measuring your welds. Then, we'll move onto a few more advanced topics toward the end, along with time for questions and answers.	04/04/2025	11:00 am	QualityCon [QC]	Tony Phillips
BRB's and Existing Buildings: Retrofitting existing structures to minimize schedule and maximize efficiency, profit, and resilience [E1]	Buckling restrained braces (BRBs) are gaining popularity not just for new seismic design but also to renovate and upgrade existing structures. This session will explain the fundamentals of BRBs and their advantages for upgrading existing building inventory. Attendees will also learn about code requirements and techniques to minimize cost and schedule. Finally, the session will present project examples of successful BRB retrofits. Time will be allotted for Q&A, so bring all of your questions about BRBs.	04/04/2025	11:00 am	Seismic [E]	Brandt Saxey
Bridge Steel Welds and Weld Repairs - Toughness of HAZs and How Many Repairs is too Many? [B13]	The session will present research on the effects of multiple weld repairs at the same butt-splice locations. Currently AWS D1.5 doesn't limit the number of repairs and there is inconsistent practice among States. The study looked at A709 Grades 50W and HPS70W and the fatigue performance at locations with multiple rejectable defects and repairs. The session will also look at material testing and large-scale fatigue testing being targeted, discuss the to-date results from the experimental program, and offer a path forward and what we expect the ultimate conclusions will be from the research. The session will also present research findings and recommendations on the toughness and fracture behavior of heat-affected zones (HAZ), the area of base metal near welds, which previously had no or limited guidance in the codes.	04/04/2025	11:00 am	Bridges [B]	Matthew Phillips, William Collins
Resilient Seismic Design of Steel Structures: Can We Deliver on the Promise? — Current Views from Past Higgins Award Winners [E3]	For almost all building structures, since seismic design codes were first developed the intended performance level focused on providing life safety and occupant egress in the event of a major earthquake. Design for post-earthquake occupancy or the ability to repair earthquake damage is not directly considered, except for structures required for post-earthquake response such as hospitals, police and fire stations, and a few other occupancies. Some building owners have also requested higher levels of seismic performance for business or other purposes. Disasters caused by natural hazards such as Hurricane Katrina in 2005 have led government agencies and the public to call for improved designed standards that will help deliver greater community resilience. Truly resilient community response will be the result of a complicated interaction of all elements of the built environment. For building structures, the intent will be to provide what is termed as “Functional Recovery” performance for a wide class of building occupancy types. This presentation will describe efforts underway to develop	04/04/2025	11:00 am	Seismic [E]	Jim Malley

	guidance for functional recovery performance, and how engineers have already been implementing creative techniques to deliver on the promise of resilient seismic design of steel buildings.				
SpeedCore - The Need for Speed Part 2: Connection and Erection [N18]	The 2022 Specification and Seismic Provisions greatly enhanced the use and design criteria for SpeedCore lateral systems. This enables the system's schedule and construction benefits to be utilized more readily on a wider array of project throughout the country. This session is part two of two reviewing the new code-prescriptive design requirements for both wind and seismic applications, including coupling beam design, wall connection design, and erection considerations.	04/04/2025	11:00 am	Design & Analysis/Engineering [N]	Joshua Mouras
Demystifying Composite Plate Shear Wall Design [M5]	This session will provide a discussion of composite plate shear wall systems across AISC standards and publications. Participants will explore key provisions from AISC 360, AISC 341, AISC N690, Design Guide 32 (Nuclear Facilities), and Design Guide 38 (SpeedCore Design). Join us to gain a comprehensive understanding of composite plate shear wall terminology, analysis, and design by comparing and contrasting the provisions in these publications.	04/04/2025	11:00 am	Manuals, Standards, and Design Guides [M]	Amit Varma
Impact of AI in the Engineering Industry [Z4]	Discusses the potential impacts of AI to the engineering profession and how it affects the value proposition. Current design requires faster, better quality and cheaper. AI can help with the faster and better quality, but it cannot address value added via teamwork, relationships and problem solving.	04/04/2025	11:00 am	Business [Z]	Peter Atherton
Achieving Excellence in Fabricated Structural Steel [K3]	To create a top-notch structure, an engineer must have a clear understanding of how it will be fabricated. This insight is essential in two crucial areas. First, a solid grasp of basic shop operations—like cutting, fitting, welding, and drilling—is vital for selecting the most efficient design details. Second, knowledge of scheduling, materials, shop drawings, and procedures allows the engineer to ensure the project stays on track. This presentation will explore why mastering these two areas—and acting on that knowledge—is the key to achieving excellence in fabricated structural steel.	04/04/2025	12:15 pm	Keynote [K]	Ronnie Medlock
Community Give Back Event	Due to the weather tomorrow, we have some logistical changes at BluePrint 502. If you are registered for this event, please check your email for a form to confirm your participation. Join your fellow NASCC: The Steel Conference attendees in giving back to the local community here in Louisville! Let's help beautify Louisville's Blueprint 502 (formerly YouthBuild Louisville) campus. Hands-on activities include painting, gardening, seeding, woodworking, and more! For more information visit - https://www.nascc.aisc.org/giveback This event requires pre-registration. Registration is now closed as we have reached capacity.	04/04/2025	2:00 pm		