



## 2024 SEI-CT Structural Engineering Seminar – Speakers



**Vincent A. Siefert, PE, M.ASCE, Past Chair ASCE Construction Institute Temporary Works Committee**

Vincent Siefert is the President, Founder and Owner of Siefert Associates, LLC, a 30+ person consulting firm performing Construction Engineering for contractors involved in Heavy and Highway projects. Early in his career, Vincent worked as a General Superintendent for several Local and National Construction Companies. Siefert Associates, LLC is a nationally recognized leader in the preparation of crane lift plans as demonstrated by several decades of successful lifts. Vincent and his staff have extensive experience and knowledge solving some of the most complex challenges in the heavy lift industry and expertise to provide practical solutions for rigging designs, structural and/or geotechnical design as well as forensic engineering studies. Besides Crane Layout Plans, Siefert Associates specializes in Demolition and Erections Plans for Bridges and buildings, Alternative Lifting Options, Rigging Design and Analysis, Heavy Hauling Operations, Rebar Cage Lifting and Handling, and Tower Cranes and Derricks, Temporary Supports, Staged Construction Analysis, Formwork, Shielding, Work Platforms and many other Construction Engineering specialties. Vincent is a registered Professional Engineer in 15 states and Ontario. Vincent obtained his Bachelors in Civil Engineering degree from Villanova University and his Masters in Engineering degree from Manhattan College.

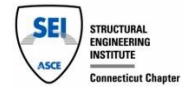


**Steven L Porter, EIT, M.ASCE, of Siefert Associates, LLC**

Steven Porter is an Assistant Project Engineer with Siefert Associates, LLC. He has been involved in providing quality and timely construction engineering solutions to contractors for a variety of complex projects in the areas of engineered lift plans, bridge and building demolition, design of temporary support structures, and more. Steven graduated from UCONN with a Bachelor's Degree in Civil Engineering and a Minor in Mathematics.



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**Alex Kerr, P.E., PTOE, RSP1, Managing Engineer at Barton & Loguidice**

Alex Kerr is a Managing Engineer with Barton & Loguidice, working out of their Syracuse location. Mr. Kerr has been a transportation professional for the past 14 years working in Central NY. His areas of expertise include traffic signal design, highway design, utility and drainage design, travel demand forecasting & modeling, and traffic signal/network modeling. Mr. Kerr was involved in the Onondaga County Canalways Trail Extension project through both design and construction and navigated many of the obstacles presented by this unique project.



**Kim Fletcher, P.E., M.ASCE, Managing Engineer at Barton & Loguidice**

Kim Fletcher is a Structural Engineer with over 14 years of diverse experience. Her expertise spans bridge design, building design, and retaining wall design. A graduate of McGill University with a Bachelor's degree in Civil Engineering and a Master's degree in Structural Engineering from the University of Connecticut, Kim holds professional engineering licenses in Connecticut, Maine, and New York.



**Vincent P. Chiarito, P.E., F.SEI, M.ASCE, Senior Bridge Engineer at the Federal Highway Administration, Office of Infrastructure**

Mr. Chiarito focuses on Safety and Security for bridges and tunnels and protecting these structures from collisions and fire. He leads the current Transportation Pooled Fund Study “Development of Countermeasure Strategies for Protecting Bridge Girders against Over-height Vehicles’ Impact”. Prior to joining FHWA, serving as a Research Structural Engineer for over 37 years with the U.S. Army Engineer Research and Development Center in the Geotechnical and Structures Laboratory, he led and conducted structural engineering research regarding vibration, dynamics, earthquake effects, blast effects, and experimental efforts to validate performance to support various civil and military projects, other government agencies, and private sector customers.

**EDUCATION**

- University of Delaware, Newark, Delaware, MCE
- University of Delaware, Newark, Delaware, BCE

**PROFESSIONAL ASSOCIATION**

- Registered Professional Engineer, #09148, Mississippi.
- American Concrete Institute (ACI)
- American Society of Civil Engineers (ASCE)
- International Association of Protective Structures (IAPS)
- International Association for Bridge Maintenance and Safety (IABMAS)
- Society of Experimental Mechanics (SEM)



**Matthew J. Lengyel, P.E, S.E., P.M.P., Senior Project Manager at GM2 Associates, Inc.**

Mr. Lengyel has over 24 years of bridge design, construction engineering & inspection (CEI), and project management experience on major bridge projects across the United States. Structure types include post-tensioned segmental concrete girder, prestressed concrete girder, curved and straight steel plate girder, steel I-girder, steel truss, concrete slab, and signature cable-stayed bridges. Along with being a licensed professional engineer in eleven U.S. states and a licensed structural engineer in three he holds various FHWA-NHI, ACI, and PTI certifications. Matt’s resume includes the TxDOT Sam Houston Tollway (East) in Houston, a new 1,320’ cable stayed main span over the commercial shipping channel leading to the Port of Houston; the Pennsylvania Turnpike Commission I-76 Allegheny River Bridge Replacement in Pittsburgh, twin 2,350’ long span cast-in-place concrete segmental bridges; Ohio DOT’s I-280 Veterans’ Glass City Skyway, a new precast segmental cable-stayed main span bridge built with 3,050 precast box girder segments; and, the Minnesota DOT I-35W St. Anthony Falls Bridge Emergency Replacement, twin 1,223’ long bridges featuring 504’ long precast, post-tensioned concrete box girder main spans.



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### **Brian Lassy, E.I.T., S.M.ASCE, Ph.D. Student of Structural Engineering at University of Connecticut**

Brian Lassy is a graduate student at the University of Connecticut pursuing a Ph.D. in Structural Engineering under the advising of Dr. Alexandra Hain. He completed his bachelor's degree in civil engineering in 2021 at the University of Connecticut with a minor in Computer Science. His research focuses on the performance of shear studs embedded in ultra-high performance concrete, repair of corroded bridge girders, and novel methods for maintenance-free bridge girder design.



**Chase Gallik, E.I.T., of Wiss, Janney, Elstner Associates**

Chase Gallik is a 2020 graduate of Lehigh University’s M. Eng program in structural engineering. Following a brief hiatus working as a mason’s laborer for his father during the Covid summer, Chase joined WJE’s New Haven branch in September of 2020. Since then, Chase has worked on a myriad of projects, dipping his toes into a little bit of everything, including roofing and waterproofing, various building envelope testing procedures, wood, steel, and concrete repair, and lots of parking garage surveys! Unfortunately, Chase suffers from very poor vision due to a hereditary eye disease, which is part of the reason that he has become so involved in the topic of computer vision, with LiDAR being of particular interest. In his free time, Chase enjoys coaching at the local wrestling club, hiking, caring for his rose bushes, and spending time with friends and family.



**Hannah E. Rakowski, P.E., M.ASCE, of Wiss, Janney, Elstner Associates**

Since joining WJE in 2016, Hannah Rakowski has worked on a variety of projects, including condition assessments of masonry and concrete facades, rehabilitation of parking structures, and structural analysis of a variety of building components. Ms. Rakowski’s well-rounded experience is rooted in the investigation of failures, design of repairs, and completion of construction administration services. Additionally, she has completed investigations and analyses involving masonry, steel, and concrete structures.

**EDUCATION**

- The Pennsylvania State University, Bachelor of Architectural Engineering, Structures Option, 2016; Master of Architectural Engineering, Structures Option, 2016

**LICENSES** - Professional Engineer, CT

**PRACTICE AREAS**

- Steel Structures, Structural Analysis, Computer Modeling, Failure/Damage Investigations, Facade Assessment, Masonry Structures

**PROFESSIONAL AFFILIATIONS**

- American Institute of Steel Construction  
- American Society of Civil Engineers



**Chad T. Morrison, P.E., F. ASCE, Senior Engineer at Berlin Steel Construction Company, Johnston, RI**

Morrison is responsible for the design of structural steel connections and miscellaneous steel items, including stairs, rails, and other architectural features. His design work is focused not only on the safety of the general public, but also on the field and shop workers who make it a reality. Berlin Steel is an industry leader with projects stretching from Washington, D.C., to Boston, where Morrison has been able to serve as a delegated designer for a wide range of steel applications. Specializing in building retrofits, he uses compact steel solutions to achieve the desired resilience and historic preservation. Connections are developed to meet unique design challenges, including extreme loading, acute skews, multiple members intersecting, and envelope constraints. Morrison takes advantage of his computer-aided drafting background to develop one-of-a-kind connections based on application of engineering fundamentals, AISC guidance, and knowledge of shop processes and field practices. Delegated design of miscellaneous steel is being given increased attention within the building industry. Public safety and maintaining the architectural vision of ownership are often the main priorities. It requires a strong understanding of applicable building codes, architectural considerations, and proprietary product applications to offer the best solutions. Materials beyond steel that are frequently integrated include glass, aluminum, and concrete. Determining the scope of design means relying on an understanding of the client's needs, contractual obligations, and constructability. While items like monumental stairs, doors/partitions, theater features, and medical equipment supports often fall into a certain category, each presents its own unique design challenges. Morrison has contributed to many notable projects, one of his first being The Central Artery AKA Big Dig Boston, where he gained experience as a detailer. Another is the Connecticut Science Center. And in September 2017, the DC Water Headquarters appeared on the cover of Modern Steel Construction as it was being erected by Berlin Steel. Morrison was also able to sign the topping-off beam for his alma mater, the URI College of Engineering. He takes great pride in medical and educational infrastructure projects, especially those for children and veterans. Morrison served as past president of the Rhode Island Section of ASCE. He has used his platform to advocate for infrastructure improvements in his home state as a contributor to its first infrastructure report card, published in 2020. Recruited in high school as a miscellaneous steel detailer, he worked throughout his studies at the University of Rhode Island, where he earned his master's degree in civil and environmental engineering in 2008.



**S.B. Sanjeev Mohan, PE, of Stantec**

Sanjeev Mohan is currently a Structural Engineer with Stantec. Sanjeev holds a master’s degree in Structural Engineering from the from the University of Illinois at Urbana-Champaign, and a Bachelor’s Degree in Civil Engineering from SRM University in Chennai, India. Sanjeev is a licensed professional engineer in Connecticut. His experience includes a variety of structures including bridges, culverts, retaining walls, pools, signposts and foundation systems. Sanjeev has successfully completed numerous projects for various agencies across the United States.

Outside of his work, Sanjeev is dedicated to mentoring the next generation of engineers through programs like the Engineers in Action Bridge Program. He is also actively involved in ASCE’s Structural Engineering Institute and the Younger Member Group, where he has held various leadership roles.