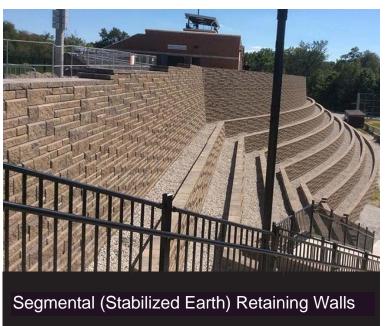
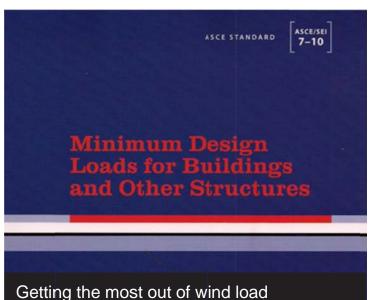


2016 SEI Mohawk-Hudson Chapter 6th Annual STRUCTURES DAY 2016

Wednesday, October 19th – Albany, New York





calculations using ASCE 7-10 and beyond



SEI Mohawk-Hudson Chapter 6th Annual STRUCTURES DAY 2016

Schedule 7:15 - 8:00Registration / Breakfast Buffet 8:00 - 8:05**Opening Remarks** 8:05 - 9:05Amsterdam Pedestrian Bridge (Robert Cisneros, PE) 9:05 - 9:15Break 9:15 - 10:15Masonry Beams (David T. Biggs, PE, SE, F. SEI) 10:15 - 10:25Break Segmental Retaining Walls (Ryan Miller, VP, LEED AP) 10:25 - 11:25 11:25 - 11:40 The Expertise Project (Mike Baron, PE, SE) 11:40 - 12:00 **SEI Awards and Officer Installation** 12:00 - 12:45Lunch Buffet 12:45 - 2:15 **ASCE 7-10 Wind Loads** (Dr. Christopher Letchford, D.Phil, NPER, CPEng, F.SEI) 2:15 **Program Concludes**



2016-17 SEI Mohawk-Hudson Chapter Officers and Directors

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Hill Engineers Architects Planners

Christopher Snyder, EIT – Past Chair

Spring Line Design, Architecture + Engineering

Emily Konick, EIT – Chair Elect

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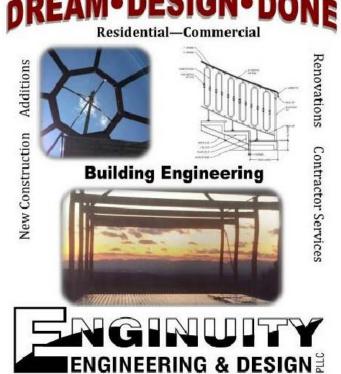






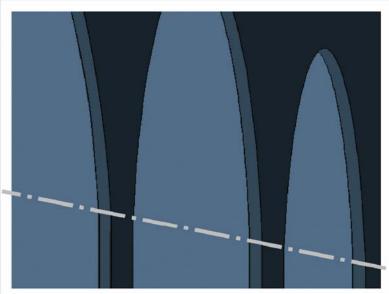
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Hard and Electronic Copies of ASCE 7-10



Reproduction of the Attendee Program



Presents a Professional Development Series Seminar on:

Amsterdam Pedestrian Bridge

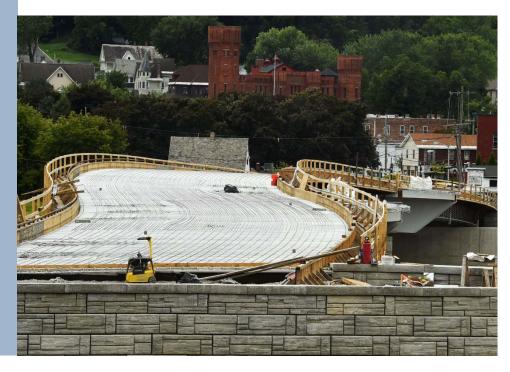
Presented by:

Robert Cisneros, PE High Steel Structures, LLC

Bob has been with High Steel Structures, Inc. since 1996, where he started as Senior Project Manager. Bob earned his bachelor's degree in Civil Engineering from Cornell University, and has since completed coursework in accounting & financial management. A professional engineer in Pennsylvania, New York, Virginia & Maryland, Bob also holds a Welding Engineer Designation for CSA Standard W47.1, Division I Fabrication under Canadian Welding Bureau jurisdiction and an AWS Welding Supervisor Certification.

His responsibilities at High Steel have included: "supervising the shop drawing preparation process, bridge transportation, erection and field construction engineering at jobsites, technical representation for customers, suppliers, design consultants and owners, equipment design for manufacturing, shipping and field erection, welding procedure development, and helping the High Steel team uphold their AISC Advanced Erector Certification.

This presentation will discuss the design, fabrication, and construction of the Mohawk Valley Gateway Overlook (MVGO) Pedestrian Bridge, a park-like steel structure with a pronounced architectural horizontal curve that links both halves of the City of Amsterdam across the historic Erie Canal.



Approved for 1.0 PDH





Presents a Professional Development Series Seminar on:

Masonry Beams

Presented by:

David T. Biggs, PE, SE, Dist. M. ASCE, F. SEI, Hon. TMS, F.ACI

Biggs Consulting Engineering

David T. Biggs, PE, SE, Dist M ASCE, F.SEI, Hon TMS, F.ACI is a Principal of Biggs Consulting Engineering in Saratoga Springs, New York and Technical Director for Constructive, LLC in Michigan. He specializes in forensic engineering, historic restoration, masonry design, and the development of new masonry products and standards.

Besides consulting, he lectures for the University of Pennsylvania, Czech Technical Institute, International Centre for the Study of the Preservation and Restoration of Cultural Property in Rome, and the Iraqi Institute for the Conservation of Antiquities and Heritage. He is a Distinguished Member of the American Society of Civil Engineers and a fellow of the Structural Engineering Institute

This presentation will demonstrate how to design and detail reinforced masonry beams using the US masonry standard, "TMS 402, Building Code Requirements for Masonry Structures". Engineers often turn to expensive proprietary hangers to give the appearance of a masonry beam. This presentation will provide design and detailing tips for practicing structural engineers to include reinforced masonry beams into their projects. Examples are taken from actual buildings.







Presents a Professional Development Series Seminar on:

Segmented Retaining Walls

Presented by:

Ryan Miller, VP, LEED AP

Allan Block Corporation

Ryan Miller is the Vice President of Allan Block Corporation. He received his bachelor of Science at Purdue university's Krannert School of Management in 2001 and has spent approximately 10 years within the segmental remaining wall industry with a primary focus on the education of proper design and installation of such materials.

He has observed and/or worked with engineers, architects, contractors and manufacturing partners to help improve the efficiency and quality of the overall construction of hundreds of commercial and residential projects throughout North America.

He earned his LEED, AP status in 2009 and is a registered IACET approved presenter.

This presentation will discuss best practices for the design and installation of Segmental Retaining Walls. Topics will include design guidelines, typical wall construction, water management and drainage, soil and compaction, geogrids, tall walls, global stability, seismic stability, and site considerations



Approved for 1.0 PDH





Presents a Professional Development Series Seminar on:

Getting the most out of wind load calculations using ASCE 7-10 and beyond

Presented by:

Dr. Christopher Letchford D. Phil, NPER, CPEng, F.SEI

Professor and Department Head Rensselaer Polytechnic Institute

Chris Letchford obtained his Bachelor's degree in Civil Engineering with First Class Honours and University Medal from the University of Queensland in 1980. After completing a doctorate in Wind Engineering at Oxford University as a Commonwealth Scholar he began his academic career at the University of Queensland in 1987. After developing a research program in Wind Engineering and Bluff Body Aerodynamics and reaching the level of Reader, Chris left Queensland to take up a Professorship at Texas Tech University in the US. In 1997 Chris chaired the 4th Asia-Pacific Symposium on Wind Engineering on the Gold Coast and in 2003 he chaired the Technical and Scientific Committees of the 11th International Conference on Wind Engineering in Lubbock Texas.

From 1995-1999 and 2007-2009 Chris was the Chair of the Australasian Wind Engineering Society (AWES). From 2003-2006 Chris was a member of the Executive of the American Association of Wind Engineering. Chris is also a member of the American Society of Civil Engineers and sits on the Wind Effects, Aerodynamics and Tall buildings Committees. Chris is a Registered Professional Engineer in Queensland and a Chartered Professional Engineer in Australia. Chris left Texas Tech University as Senior Associate Dean to take up the Head of School of Engineering at the University of Tasmania in 2007. In 2011, Chris accepted the Head of Department of Civil & Environmental Engineering at Rensselaer Polytechnic Institute.

A background will be given to wind load calculation using ASCE7-10 which is now incorporated into the updated New York State Uniform Code.

Design examples will be given as well as highlights of changes to wind load provisions of ASCE7-16.

Critical to using the code effectively is an understanding of the physics of wind flow around, and interaction with, bluff bodies. The presentation will use examples to illustrate salient points.







2016 Installation of Officers

Paul Byrd, EIT – Chair Hill Engineers Architects Planners

Christopher Snyder, EIT – Past Chair Spring Line Design, Architecture + Engineering

Emily Konick, EIT – Chair Elect The Chazen Companies

The mission of the Mohawk-Hudson Chapter of the Structural Engineering Institute is to serve and promote the structural engineering profession and the related industries, embrace and support the American Society of Civil Engineers, advance the art and practice of structural engineering in the Mohawk-Hudson Section. The Institute develops and implements programs and activities to enhance technology transfer; business practices and professional activities; the advancement of the structural engineering profession; and provide a means for coordination, interaction, and communication with structural engineering in the Mohawk-Hudson Section.

[To the Officers] As Officers of the SEI Mohawk-Hudson Chapter, do you promise to faithfully perform the duties of the office in support of this mission? If so, please answer "I will".

[To the Audience] The Officers have pledged to support the mission of SEI, but they need the support of the structural engineers of the Mohawk-Hudson Section to be successful. Do you promise to support the Officers and mission of the SEI Mohawk-Hudson Chapter, participating in SEI activities and bringing forth ideas and sharing knowledge? If so, please answer "I will".

[To the Officers] I now declare you installed as officers of the Mohawk-Hudson Chapter of the Structural Engineering Institute, and look forward to another successful year of camaraderie and programs for structural engineers in the Mohawk-Hudson Section.