

Tuesday December 6, 2011 (5:30pm - 8:45pm)

Location: [Brecksville Branch – Cuyahoga County Public Library](#)
9089 Brecksville Rd, Brecksville, Ohio 44141; Phone 440-526-1102.

Meeting: 5:30pm – “Concrete & Masonry Restoration” (1.0 PDH)
6:40pm – Dinner
7:15pm – “Snow Load Examples” (0.5 PDH)
7:40pm – “Terminal Tower Façade Renovation” (1.0 PDH’s)
8:45pm – **End of meeting.**

RSVP: Cleveland@seao.org by Friday December 2, 2011. Web Registration= <https://seao.org/meet-reg1.php?id=46>

Price: \$10.00 for Members, \$20.00 for Non-members, cash or check at door.

Presentation 1: “Concrete & Masonry Restoration”

Concrete Restoration:

- Causes of Concrete Deterioration: Lack of Maintenance; Freeze thaw; Carbonation; Corrosion; Service Conditions; Road Salt; Improper workmanship/design.
- Signs of Deterioration: Cracking; Sealing; Leaching; Pot holes/delaminating.
- Repair Methods/Materials/ Delaminating Surveys.
- Concrete Removal: Conventional chipping hammers/jack hammers; Hydro-blasting.
- Repair Materials: Silica fumes; Latex modified; Conventional concrete with bonding agent; Modified polymers; High early strength; Magnesium Phosphate.
- Concrete Cleaning in Preparation for Waterproofing: High pressure water blasting; Sand blasting; Blast tracking(steel shot); Grinding/scaling.
- Protective Systems: Urethane deck coatings; Clear Sealers; Waterproof coatings with epoxy wearing course; Membrane with asphalt/concrete overlay; Modified concrete overlays; Cathodic protection.
- Case Histories

Masonry Restoration:

- Causes of Deterioration: Lack of Maintenance; Movement; Freeze thaw; Air pollution; Improper workmanship; Moisture.
- Repair Methods: Replacement; Actual materials; Replica materials; Dutchman; Patching; Tuck pointing/Re-pointing; Miscellaneous pointing; Mask grout; Joint grout; Manchester grout.
- Case Histories

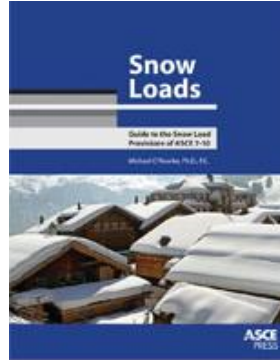
Speaker 1:

Dennis Ahrenhoersterbaeumer is VP of Western Construction Group (parent company of Western Waterproofing, Brisk Waterproofing, H. S. Peterson Co., NTW, and Peoria Roofing), which is the nation’s largest specialty contractor in Masonry & Concrete Restoration and Waterproofing. Western was founded in St. Louis in 1915 and has 30 offices nationwide. Dennis frequently speaks to Architects, Engineers, Owners and Building Managers.



Next SEAoO Event – Terminal Tower Renovation & Concrete Topic – December 6, 2011

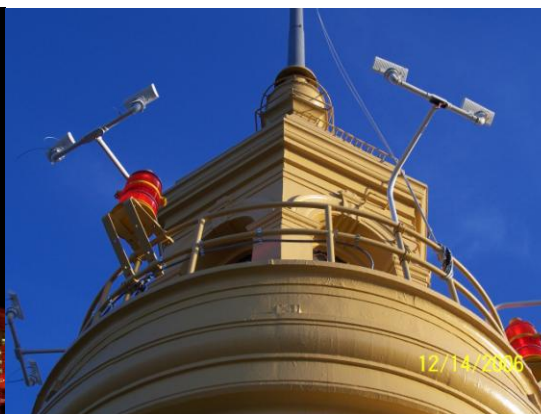
Presentation 2: “Snow Load – Examples”. Part 1 of the Snow Load presentation was given in April 2011 and focused on the Concepts and Formulas. This is Part 2 of the Snow Load presentation and focuses on applications and examples. Eventually SEAoO-Cleveland will cover all the loads in ASCE 7, through short presentations. Presented by Bill Sliwinski, PE, Campbell Construction.



Presentation 3: “Terminal Tower Façade Renovation”. This presentation is an overview of the 5-year landmark Terminal Tower Façade Renovation, highlighting the work involved during the intricate restoration of this 52-story structure, including the materials and structural design. The building was constructed between 1925 and 1930, rising 708’ above Public Square and is clad with ornamental iron, limestone, and terra-cotta masonry. This very successful project has won many awards, including the 2010 Restoration Project of the Year.



Speaker 3: Ron Czaplicki, PE and Michael Mazzocco PE, of Barber & Hoffman, Inc. Ron Czaplicki serves as Principal-in-Charge and Project Manager at Barber & Hoffman. Michael Mazzocco is a Senior Engineer at Barber & Hoffman.



Upcoming SEAoO Cleveland Section Meetings: Feb. 12, 2012.

Thank you very much for your support of the SEAoO – Cleveland Section this past year.

SEAO Officers 2011

President: Ryan Konst, P.E.
 Secretary: Kip Ping, P.E., S.E.
 Directors: Majed Dabdoub, P.E.
 Walt Heckel, P.E., SECB

Pres. Elect: Dave Ferencik, P.E.
 Treasurer: Greg Sliger, P.E.
 Brad Boomer, P.E.
 Mark Churpek, P.E.

Past Pres.: Richard Meyer, P.E.
 Jason Hoover, P.E., S.E.
 Frank Monastra, P.E.

SEAO Committees and Teams

Annual Conference 2011: Richard Meyer, P.E.
 Communication: Jason Hoover, P.E., S.E.
 Web Site: Kip Ping, P.E., S.E.
 Newsletter: Brad Boomer, P.E.
 Continuing Education: Frank Monastra, P.E.
 Cincinnati: Greg Sliger, P.E.
 Columbus: Carrie Bremer, P.E.
 Cleveland: Bill Sliwinski, P.E.
 Toledo: Neo Hadjicharalambous, P.E., S.E.
 Code Advisory: Marshall Carman, P.E., S.E.
 Licensing: Timothy Gilbert, P.E., S.E.
 Professional Comptncy: Steve Schaefer, P.E.

SEER: Jason Hoover, P.E., S.E.
 Advocacy/Marketing: Jason Hoover, P.E., S.E.
 Membership: Mark Churpek, P.E.
 Organization Developmnt: Bill Sliwinski, P.E.
 Basic Education: Richard Meyer, P.E.
 OU Advisor: Richard Meyer, P.E.
 Faculty: Eric Steinberg, P.E., PhD.
 OSU Advisor: Carrie Bremer, P.E.
 Faculty: Halil Sezen, P.E., PhD.
 UC Advisor: Kevin Pendery, P.E.
 Faculty: GA Rassati, P.E., PhD.

All members are encouraged to be involved in SEAO. To join a committee or team please contact the person listed above, info on the website.

We are looking for Member's Presentations. If you have an interesting or unusual structural engineering project to share or know someone who would make a good presentation, please contact the Continuing Education Committee.

Meeting fliers are posted on the website with final details about a month ahead of the meeting.

SEAO Meetings are generally the 2nd week on sequential days or Thursdays approximately 5:30-8:30 with dinner.

Joint events may be on the other group's meeting date and place.

Tours meet at project site.

SEAO local meeting coordinator indicated in parentheses. Regional team members are listed on the website.

Actual dates, times and locations will vary; check website and meeting flyer for details.

SEAO Board and Committee meetings are not listed, contact committee chair for information.

2011-2012 SEAO Calendar of Events

	Cincinnati	Columbus	Cleveland	Toledo
Aug	no mtg	no mtg	no mtg	no mtg
Sep	ANNUAL FALL CONFERENCE 2 FULL DAYS And Construction Tour of Hilton, Columbus Columbus, Ohio – SEPT 15-16, 2011			
	SEAO/ASCE: Sustainable Const Tour - Cincinnati Zoo 9-22-11 (Mark)	Steel Day, AISC Events 9-23-11	Steel Day, AISC Events 9-23-10	Steel Day, AISC Events 9-23-11
Oct	Progressive Collapse & Side Plate Systems 10-11-11 (Gretchen)	Construction Tour Columbus Casino 10-13-11 (Carrie)	Progressive Collapse & Side Plate Systems 10-13-11 (Bill)	Progressive Collapse & Side Plate Systems 10-12-11 (Neo)
Nov	Jt Mtg – SEAO/ASCE-GE: Inspection or Fnd Shoring 11-10-11 (Mark)	Selvaggio Teske: Claim Case Study 11-10-11 (Carrie)	RedBuilt Engr. Wood Bentley BIM – Structural 11-8-11 (Jason)	Acoustic Monitoring of Suspension Cables 11-10-11 (Neo)
Dec	CRSI Presentation: Large Tilt-Up Project 12-8-11 (Greg)	CRSI Presentation: Large Tilt-Up Project 12-7-11 (Carrie)	Concrete & Mas. Rehab. & Terminal Tower Project 12-6-11 (Dave/Brad)	CRSI Presentation: Large Tilt-Up Project 12-5-11 (Neo)
Jan 2012	Joint Mtg – SEAO/ASCE: Separate SE Licensure 1-19-11 (Mark)	Joint Mtg – SEAO/ASCE: Caisson Failure Case Study 1-19-11 (Carrie)	no mtg	no mtg
Feb	Jt SEAO/AISC - Steel Talk 2009 RCSC + 2010 COSP 2-8-12 (Gretchen)	Jt SEAO/AISC - Steel Talk 2009 RCSC + 2010 COSP 2-9-12 (Carrie)	Cold Formed Steel AISC: Steel Code 360-10 2-9-12 (Bill)	Jt SEAO/AISC - Steel Talk 2009 RCSC + 2010 COSP 2-7-12 (Neo)
Mar	Autodesk: Revit Structural 3-13-12 (Frank)	Autodesk: Revit Structural 3-14-12 (Carrie)	Autodesk: Revit Structural 3-13-12 (Bill)	Autodesk: Revit Structural 3-12-12 (Neo)
Apr	ASCE 7-10: Seismic & Wind Provisions 4-12-12 (Gretchen)	RedBuilt: Engineered Wood Products 4-12-12 (Carrie)	Steve Regoli (OBBS) Slabs on Grade 4-11-12 (Bill)	Topic TBA 4-12-12 (Neo)
May	Joint Mtg – SEAO/AIA: A-E Practice, Topic TBA 5-10-12 (Steve)	Facade Forensics Case Studies 5-10-12 (Carrie)	Facade Forensics Case Studies 5-9-12 (Bill)	Facade Forensics Case Studies 5-8-12 (Neo)
Jun	Joint Mtg – SEAO/ACI: Concrete Constructability 6-6-12 (Walt)	Topic TBA 6-14-12 (Carrie)	Geotech/Inspect Co. Prsnt Load Tests/Excavation Shrng 6-14-12 (Bill)	Topic TBA 6-14-12 (Neo)
Jul	no mtg	no mtg	no mtg	no mtg
Aug	no mtg	no mtg	no mtg	no mtg
Sep	ANNUAL FALL CONFERENCE 2 FULL DAYS And Tour of Columbus Area of Interest Columbus, Ohio – SEPT 13-14, 2012			