

- DATE:** Tuesday, March 13, 2018
- TIME:** Breakfast & Registration: 7:00 AM
General Meeting: 7:30 - 8:00 AM
Presentation & Discussion: 8:00 – 9:15 AM
- LOCATION:** [Marriott Minneapolis West](#) 952-544-4400 (Hotel information)
9960 Wayzata Blvd.; St. Louis Park, MN 55426
Located north and west of I-394 and Hwy 169 (Previously the Holiday Inn)
- Please RSVP to:** David Oxley via email: doxley@acecmn.org Or fax to ACEC/MN: 952-593-5552
- FORMAT:** Breakfast meeting – cost is **\$25 for members**, \$40 for non-members; \$15 for unemployed members and \$10 for Students & those in YMG.
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Meeting minutes by Greg McCool in **RED**.

MEETING AGENDA:

I. INTRODUCTIONS – Mustafa Igdelioglu

II. TREASURER’S REPORT / AND ACEC UPDATE - Dave Oxley

- Dave’s update is the same as always, but with new faces in the room it will seem unique.
- He hasn’t looked recently, but we have money. Pay your dues!
- Thursday, March 15 is ACEC Capitol Consulting Day. Starts at 9AM with training then continues with legislator meetings.
- Legislative update: this year is a short session. March 22 is the first committee deadline, by which all bills must pass out of committee in order to continue. Bonding bill, transportation funding (dedicating sales tax from auto parts to transportation), and P3 are all on ACEC’s radar.

III. COMMITTEE UPDATES

A. MNSEA Steering Committee – Mustafa Igdelioglu

i NCSEA – Wind Committee Update – Doug Woolf

- Met February 20. ASCE 7 wind committee will be examining topographic effects more closely. SEAOC is putting together wind design manual (to be released soon). For next ASCE 7, the code will be “smart,” similar to TurboTax (non-applicable sections are grayed out as you enter parameters). They are working on a performance-based design standard for wind.
- Check out ASCE 7 online parameters tool (10 and 16 code).

ii May Seminar Update – Andrew Agosto

- Topic is “Special Structures:” fabric structures, glass structures, wind turbine foundations. Invitation will be going out very soon, including link to online registration.

iii Recap of Live Webinar – Mustafa Igdelioglu

- It was well-attended. Shout-out to the young engineers for showing up!

B. Young Members Group – Steve Sletten

- March 21: AZZ Galvanizing plant tour. Invitation will be extended to non-YMG folks also.
- March 22: AIA firm tour at Cuningham Group.
- Apr 5: volunteering at Ronald McDonald House. About 20 volunteers cooking food and serving meal.
- April 12: “First Year of Your Career.” Helpful tips for students and young engineers on what to expect in their first year.

C. Next MNSEA Breakfast meeting: April 13, 2018 MINNESOTA BOARD OF AELSLAGID RULE CHANGES –.

Presented by: Dan Murphy, PE, MEYER BORGMAN JOHNSON, Andrea Barker, MN BOARD OF AELSLAGID, Matt Kaehler, MN BOARD OF AELSLAGID

IV. LIAISON UPDATES:

A. NCSEA Update – Stephanie Young

- Stephanie has instructions on how to access new NCSEA member portal. Contact her (steph@mattsonmacdonald.com) if you need any assistance.
- MMY has the webinar subscription and would be happy to invite other firms via MNSEA. This will help MNSEA extend its reach outside the Twin Cities.

V. OLD BUSINESS – Mustafa Igdelioglu

- None

VI. NEW BUSINESS:

A. SEAIL – Excellence in Structural Engineering Awards Program 2018 – Mustafa B. Igdelioglu

- SEAIL is seeking entrants from neighboring states, including Minnesota. Submit entries online by March 26. Flyer is included with the meeting minutes.



10201 Wayzata Boulevard, Suite 240, Minnetonka, MN 55305 952/593-5533



A Coalition of the
American Council of Engineering Companies of Minnesota

SEMINAR TOPIC: STRUCTURAL ENGINEERING EMERGENCY RESPONSE (SEER).

The increase in frequency and magnitude of natural disasters (floods, tornadoes, hurricanes, mudslides, etc.) and the potential for increases in other man-made disasters and terrorism has created an increased demand for structural engineers to respond to these emergencies. Responding to these emergencies without the proper training, experience and/or preparation could be adding more risk to an already dangerous situation.

Structural engineers have been performing emergency response services for many years, strong in their structural engineering field, but mainly without formal training and direction in the other areas of the emergency response dealing with environmental conditions, safety, dealing with potential future legal issues, protecting evidence and others. Some of the cases are as small as a fork lift impacting a building column, a vehicle impacting the side of a building, to a large fire/explosion scene where a condition assessment is required. The arena of emergency response structural engineering is large with many different players who have much experience and training in their various fields of practice. Structural engineering emergency response is an area of “you don’t know what you don’t know” and “what you don’t know CAN hurt you, or hurt others”!

This presentation is intended to give an overview of the field of emergency response structural engineering to get the attendees to “you now know what you didn’t know” and covering the following areas:

- Defining structural engineering emergency response services;
- History of ER services for the structural engineer;
- Types of emergency response service offerings
- Risk exposure - good Samaritan laws and other considerations
- Safety Issues – OSHA regulations, “threshold training”
- Legal Issues – evidentiary issues/chain of custody/protecting evidence/”Daubert” Challenge
- Scene documentation
- The disaster scene players - working with other disciplines/experts/entities
- NCSEA SEER Committee overview & goals - 2nd Responder Roster
- MNSEA SEER Committee overview & goals
- Resources – where to go for information
- Is this something all firm should do?
- Questions and answers



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MNSEA Minnesota Structural Engineers Association

PRESENTER: Douglas Fell, PE, Walker Consultants

Douglas L. Fell is a Professional Engineer with more than 38 years of structural engineering, design project management, and construction project management experience with projects from schematic design through bidding and construction. Doug has extensive experience in performing structural evaluations and working in the areas of forensic engineering, legal case work/expert witness, insurance case work and emergency response cases. Doug has been involved with many structural emergency response projects throughout the United States, including those involving fires, floods, existing structure collapses, construction-related collapses, vehicular/construction equipment impact upon structures, storm-related damages to structures, and others. He has experience working with the ATF (Alcohol, Tobacco, Firearms, and Explosives), CSB (Chemical Safety Board), OSHA (Occupational and Safety Health Administration), FEMA (Federal Emergency Management Agency), NTSB (National Transportation Safety Board), industry experts in various forensic fields, governmental agencies, attorneys, insurance companies, and contractors. Doug is known for his strong communication and organizational skills and close attention to detail.



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THE STRUCTURAL ENGINEERS ASSOCIATION OF ILLINOIS

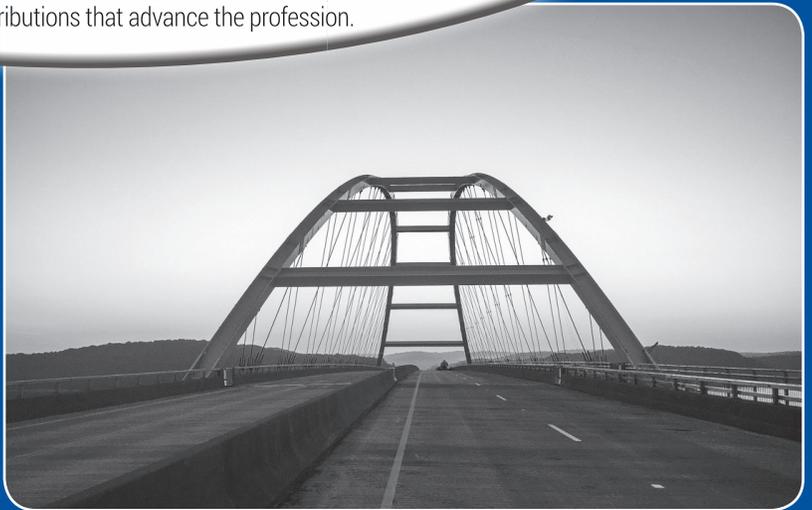
CALL FOR ENTRIES

EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS PROGRAM FOR 2018

The Structural Engineers Association of Illinois announces its Call for Entries in the Excellence in Structural Engineering Awards Program for 2018, the thirty-ninth annual awards event conducted by the association.

PURPOSE

To recognize creative achievement in structural engineering via innovative structural designs and individual contributions that advance the profession.



2017 EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS (clockwise from top left): **Jurors' Favorite/Most Innovative Structure:** JTI Headquarters, Geneva, Switzerland—Skidmore, Owings & Merrill LLP, Ingeni Ingenierie Structurale IMAGE COURTESY OF HUFTON + CROW **Best Renovation/Retrofit Project:** Hard Rock Stadium, Miami Gardens, Florida—Ruby+Associates, Inc. IMAGE COURTESY OF HILLSDALE **Best Bridge/Transportation Project:** Kentucky Lake Bridge, Cadiz/Trigg Counties, Kentucky—Michael Baker International, Inc. IMAGE COURTESY OF PORTAL **Best Project—>\$150 Million:** River Point Tower, Chicago, Illinois—Magnusson Klemencic Associates IMAGE COURTESY OF MKA

ELIGIBILITY

Projects completed since January 1, 2015, are eligible. *Projects must be completed or under construction as of January 1, 2018.* Incomplete projects must be sufficiently complete to clearly show the basic design of the structural system. For this awards program “design” may refer to the overall structure or an element that performs a key function within the completed structure. Any type or size of project may be entered, including new projects, renovations, preservation, rehabilitation, and adaptive reuse projects. The project need not be located in Illinois, but at least one member of the design team, or a principal of the firm responsible for the entry, shall be a member of SEAOI. Submitting an application for membership with an entry will satisfy this requirement. For entries in the **Best Neighboring State** category, at least one member of the design team, or a principal of the firm responsible for the entry, shall be a member of a neighboring state Structural Engineers Association.

CATEGORIES OF AWARDS

Awards will be presented for the following:

- Juror's Favorite/Most Innovative Structure
- Best Bridge/Transportation Project
- Best Industrial /Utility Project
- Best Renovation/Retrofit/ Preservation Project
- Best Project—over \$150 million
- Best Project—\$50 million up to \$150 million
- Best Project—\$10 million up to \$50 million
- Best Project—up to \$10 million
- Lavicka Award—Small Firm/Small Project
- Best Neighboring State Project—designer located in a state neighboring Illinois

Project categories apply to total construction costs. The bridge/transportation category applies to any size of bridge; however, entries can be also submitted in individual cost categories. The winner of the Jurors' Favorite/Most Innovative will be selected from entries in all categories.

One project will be selected to receive the Juror's Favorite/Most Innovative Structure award. A project selected in this category, however, will not simultaneously be selected in one of the Best Project categories. Similarly, projects awarded the Best Bridge/Transportation and Best Renovation/Retrofit/Preservation Projects will not simultaneously be selected in one of the categories classified by construction cost. Finalists will be selected to make presentations at the SEAOI dinner meeting in May. One finalist will be selected to win each category of award. Finalists not selected as Juror's Favorite/Most Innovative Structure or Best Project will receive Awards of Merit.

SEAOI and the Judging Panel reserve the right to withhold an award in a particular category should no entry be deemed worthy.

LAVICKA AWARD

Thanks to the generosity of SEAOI past-President Bill Lavicka and his wife Alys, SEAOI is proud to offer the Lavicka Award, which is named in their honor and is reflective of the spirit of Bill Lavicka's life and career. This award recognizes the high quality of work produced by small engineering/design firms as well as exceptional small projects and is open to small firms with less than 10 full-time employees, and/or projects up to \$2 million. The entry fee for projects in this category is waived. With this award category, SEAOI looks to promote smaller firms/projects representing outstanding structural design.



AWARDS JUDGING

The initial review and selection of the finalists will be conducted by a subcommittee of the SEA01 Board of Directors. Firms are encouraged to submit as many entries as they wish. Bridge/Transportation and Renovation/Retrofit/Preservation Projects can be entered in those categories or the appropriate cost category. We reserve the right to move entries to another category.

A panel of distinguished judges will review the finalists' entries and select the recipients of the awards. Selection of project awards will be based upon the material submitted with each entry, plus oral presentation by the finalists on **Tuesday, May 8, 2018**.

JUDGING CRITERIA

PROJECTS

- Structural engineering achievement
- Creativity of structural design to meet the needs of the owner and architect
- Technical innovations and their influence on design
- How the design solves unusual problems
- Ingenuity of design for efficient utilization of materials and labor
- How the design or construction methods save time or money
- Suitability of the structure to its environment and sustainability
- Quality of execution
- How rehabilitated or renovated components are integrated into a completed structure

MOST INNOVATIVE STRUCTURE / JURORS' FAVORITE

- Technical advancement of structural engineering
- Unusually creative solution to design challenges
- Unique application of structural design or materials
- Creative design characteristics that merit special recognition

2017 EXCELLENCE IN STRUCTURAL ENGINEERING AWARDS: (previous page): **Best Project—\$50 Million to \$150 Million: Chicago Riverwalk, Chicago, Illinois**—Alfred Benesch & Co. IMAGE COURTESY OF KATE JOYCE (below): **Best Project—\$5 Million to \$50 Million: Wrightwood Art Gallery Renovation, Chicago, Illinois**—Thornton Tomasetti, Inc. IMAGE COURTESY OF TADAO AND ASSOCIATES



SUBMISSION OF ENTRIES

All entries must be made by an SEA01 member, or a neighboring state SEA member for entries in the Best Neighboring State category.

Entries must include the following:

- Concise description of project, outlining its significant attributes as they relate to the judging criteria (500-word maximum)
- Up to ten additional photos, plans or sketches
- Entry Fee (waived for Lavicka Award; \$400 for all other categories)

Entries may be submitted electronically at <https://www.seaoi.org/2018awards>. Additionally, online entrants can submit up to ten photos, plans, or sketches to <https://spaces.hightail.com/uplink/SEA01>, or via another file sharing site. Please include the appropriate photo credit in the file name.

DEADLINE FOR ENTRIES

All entries must be received by **Monday March 26, 2018.**

FINALISTS

All project finalists will be required to provide the following:

- Oral presentation of project at SEAIO May Dinner Meeting on Tuesday, May 8, 2018, in Chicago.
- A 36 x 24-inch board representing the project for display at the May dinner meeting. The board will be kept by SEAIO for display at the Awards Banquet and may be kept by SEAIO after that time.
- Unconditional release of photos for publication purposes. Credits should be properly noted.

NOTIFICATION OF AWARDS

Notification to finalists will be made after selection by the SEAIO Board of Directors in April. Announcement of Award winners will be made at the SEAIO Annual Banquet, to be held at the Museum of Broadcast Communication in Chicago on **June 9, 2018.**

OWNERSHIP AND PUBLICATION OF ENTRIES

All entries become the sole property of SEAIO. No materials will be returned. SEAIO reserves the right to use or publish all entries and accompanying materials in SEAIO or other publications or for any and all editorial purposes. By entering, entrant grants a royalty-free license to SEAIO to use any copyrighted materials. Such right includes publication of photographs and names of award winners without compensation to entrants.

In previous years, announcements of winners have appeared in Dodge Construction News, Realty and Building, Engineering News Record, ASCE News, Civil Engineering, Construction Digest and numerous other engineering, architectural, construction and trade publications. In addition, the projects that won awards between 1979 and 1994 are featured in Award Winning Structures, a book published by SEAIO.

SPECIAL NOTE FOR 2018 AWARDS: NEW OR RE-BRANDED CATEGORIES

BEST INDUSTRIAL/UTILITY PROJECT

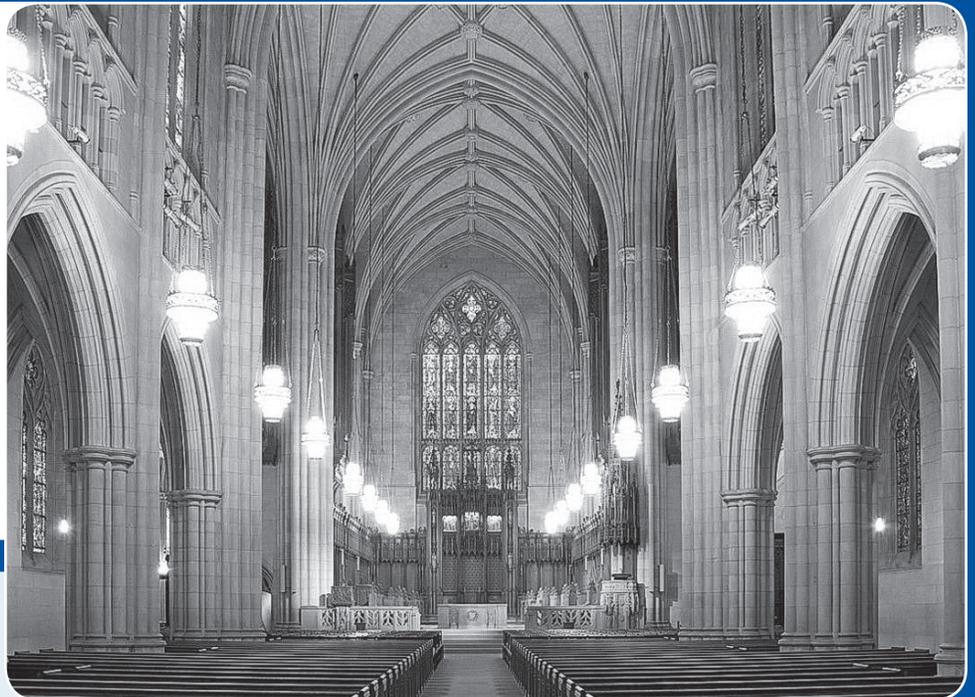
Structures in this category include but are not limited to industrial buildings, power production and transmission structures, water related infrastructure and dams other special use structure including temporary structures.

BEST BRIDGE/TRANSPORTATION PROJECT

Bridges, tunnels and other transportation related facilities that involve a major structural component

BEST NEIGHBORING STATE PROJECT

SEAIO is creating a new regional award for Structural Engineer Association in the Midwest. We encourage members of Iowa, Indiana, Kansas & Missouri, Michigan, Minnesota and Wisconsin to submit their projects. The criteria for this award is that the at least one member of the design team, or a principal of the firm responsible for the entry, shall be a member of the SEA of one of the above-mentioned states.



2017 EXCELLENCE IN STRUCTURAL ENGINEERING AWARD
(above): **William and Alys Lavicka Award: Duke University Chapel,**
Durham, North Carolina—Wiss, Janney, Elstner Associates, Inc.

IMAGE COURTESY OF WJE

Thank You for Attending the MNSEA Meeting

Tuesday, March 13, 2018

STRUCTURAL ENGINEERING EMERGENCY RESPONSE (SEER)

Presented By: Douglas Fell, PE,
Walker Consultants



To the best of our knowledge, this educational program meets the requirements of the Board of AELSLAGID for continuing education. MNSEA makes no warranty, directly or indirectly, that this program meets the standard established by the Board of AELSLAGID for continuing education.

Continuing Education – 1.0 Professional Development Hour

A handwritten signature in black ink, appearing to read 'M. B. Igdelioglu', written over a horizontal line.

Mustafa B. Igdelioglu, President – MNSEA

MNSEA Meeting Receipt

Breakfast Meeting:

Student & YMG Cost	=	\$10.00	<input type="checkbox"/>
Member Cost	=	\$25.00	<input type="checkbox"/>
Non Member Cost	=	\$40.00	<input type="checkbox"/>
Unemployed Member Cost	=	\$15.00	<input type="checkbox"/>

MNSEA Monthly Meeting - March 13, 2018

Signing in below provides you understand the following antitrust statement:

Discussions during ACEC/MN (incl. MNSEA) meetings should relate solely to the legitimate purposes of the organization. For a more detailed explanation of this statement, please see the ACEC/MN Antitrust Policy.

Student & YMG Cost	\$10.00
Member Cost	\$25.00
Non-Member Cost	\$40.00
Unemployed Member Cost	\$15.00

Note: Membership is by firm - Contact David Oxley for questions about membership. (doxley@acecmn.org)

Name	Company	Member (y/n)	email (same if it has not changed)	Amount Paid
GREG MCCOOL	ERA	Y	SAME	\$25
STEPHANIE YOUNG	MMY	Y	SAME	\$25
Sarah Durphy	Estructure	n	sdurphy@estruc.com	\$40
GREG DUERR	STRUCTURAL DESIGN ASSOC.	Y	same	\$25
Brylee Streefer	ERA	YMG	bstreefer@eraeng.com	\$10
Chelsea Herber	Palanisami & Associates	YMG	chelsea.engineer@palanisami.com	\$10
Brad Severson	Kimley Horn	Y	brad.severson@kimley-horn.com	25.00
John Ellingson	OPUS	Y	same	25.00
Eric McElrath	MMY	Y	same	25.00
Joanna Campbell	MMY	Y	same	25.00
Justin Saterbak	OPUS	Y	same	\$25.00
Steven Sletten	Larson Eng.	Y	SAME	10.00
Elizabeth Manning	MTBJ	YMG	same	\$10.00
Kevin Vazquez	MTBJ	YES	same	\$10.00
PATEEK SANGAL	CLARK	Y	SAME	\$10.00
Doug Fell	WALKER CONSULTANTS	Y	SAME	\$25.00
CRAIG KUSKE	ENCOMPASS	Y	same	\$25.00
QUOC LE	LEO A DALY	Y	same	\$25.00
Andrew Agosto	UNI-SYSTEM ENGINEERING	Y	SAME	25-
Doug Woolf	OPUS	Y	"	\$25-
Gus Shryack	BKBM	Y	gshryack@bkbm.com	\$25 on thursday
Kim Deibel	AET	Y	same	\$25.00
DEAN PHILLIPS	SAFE HAVEN SE	Y	same	\$25.00
Jim Strehle	Walker Consultants	Y	jstrehle@walkerconsultants.com	\$10.00
John Paul Gille	Paulson & Clark	Y	same	\$25
Mustafa B. Igaklingu	Barr Engineering Co	Y	same	\$25