

# MNSEA Minnesota Structural Engineers Association

Meeting Minutes by Greg McCool in **RED**

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**DATE:** Tuesday, September 12, 2017  
**TIME:** Breakfast & Registration: 7:00 AM  
General Meeting: 7:30 - 8:00 AM  
Presentation & Discussion: 8:00 – 9:15 AM

**LOCATION:** Sheraton Minneapolis West 952-593-0000 (Hotel information)  
12201 Ridgedale Drive, Minnetonka, MN 55305

Located east of Ridgedale Mall near the interchange of I-394 and Ridgedale Drive.

**Please RSVP to:** David Oxley via email: [doxley@acecmn.org](mailto: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 AGENDA:**

### **I. INTRODUCTIONS - Mustafa Igdelioglu**

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

- Current balance is \$10545 (similar status as previous years).
- Invoices for membership dues have been sent and are payable online.
- ACEC News: the year’s programming has been set. See below for upcoming events.

### **III. COMMITTEE UPDATES**

#### **A. MNSEA Steering Committee: Mustafa Igdelioglu and Stephanie Young**

- Budget is in progress and will be ready for vote at next month’s meeting.
- Steering committee is establishing a task force for improving MNSEA. Contact Brion Szwed (MBJ, [bszwed@mbjeng.com](mailto:bszwed@mbjeng.com)) if you want to get involved.
- The MNSEA website is always looking for new content. Send photos or suggestions to Mustafa ([MIgdelioglu@barr.com](mailto:MIgdelioglu@barr.com)).
- Stephanie Young and Greg McCool will be updating the membership roster this year, including clarifying the levels of membership. There were approx. 4-5 new members this year.
- MNSEA’s roster is due to NCSEA. MNSEA membership automatically includes NCSEA membership for two people from each member firm. Stephanie Young will send separate invoices for the membership fee for any companies who choose to have more than two NCSEA members.

#### **B. ACEC Fall Welcome Reception and Expo: October 2, 2017 - Mustafa Igdelioglu**

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C. [ACEC Building Engineering Construction Conference](#): October 10, 2017 - Mustafa Igdelioglu

- Includes presentations on Twin Cities development, Destination Medical Center, and engineering ethics as well as three tracks of sessions. Up to 6 hours of PDHs. Cost is \$125.

D. [AIA Fall Convention](#): Mustafa Igdelioglu

- November 14-17, 2017 MNSEA will have a booth there co-staffed with ACEC): Volunteers are needed!
- Contact Brion Szwed to volunteer.

E. [Young Members Group](#): Steve Sletten

- Leadership transition was completed in June.
- Camping trip kickoff event in July was a smashing success.
- September 19: joint educational/networking/social event with MCC
- October 10: “Engineer Your Career” event with ASCE Younger Members Group. This event includes resume help, mock interviews, and a booth at the ASCE career fair.
- MNSEA YMG is a finalist for NCSEA YMG of the Year. Great work everyone!

F. Next MNSEA Breakfast meeting: Mustafa Igdelioglu

- October 17, 2017 Micro-Rebar, Luke Pinkerton

## **IV. LIAISON UPDATES**

A. National Council of Structural Engineers Associations (NCSEA):

i. National News: Stephanie Young

- NCSEA Structural Engineering Summit is October 11-14 in Washington, DC. Several MNSEA members will be attending. Sessions include technical, business practices, and committee meetings.
- Ballots for NCSEA officers went out last month. Stephanie Young is running for one of the positions and would appreciate your vote.
- Stephanie Young is giving up her NCSEA delegate position to Doug Woolf. Best of luck, Doug!
- NCSEA national MO survey results are in. MNSEA Steering Committee will review and make recommendations for any changes.

ii. Code Advisory Committee - General Engineering: no update

iii. Code Advisory Committee - International Existing Building Code (IEBC): no update

B. CASE/National: no update

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C. Masonry Standards Joint Committee (MSJC): **Sonny Fite is no longer involved with this committee. Anyone interested in taking his place should contact Brion Szwed.**

**V. OLD BUSINESS: None**

**VI. NEW BUSINESS: None**

**Miscellaneous Notes:**

- **Tom V. went to the wrong hotel**
- **Terri Erickson is a competent CMU designer.**

**VII. SEMINAR TOPIC:**

Presented by: **Mike Manor, PE, SE - FORSE Consulting**

**MOVEMENT JOINTS**

This presentation addresses the movement characteristics of vertical masonry wall systems, and compares the differences between architectural veneer and structural reinforced masonry. Focus is on best practice for design and construction of expansion and control joints to accommodate and /or restrict masonry material movement.

**Learning Objectives:**

- Learn about masonry movement joint definitions
- Identify movement characteristics of masonry materials & systems
- Understand the purpose of MJs and how the location affects wall design/behavior
- Acquire knowledge to design & detail MJs

**CONNECTIONS TO MASONRY**

A short introduction to connections to masonry including: connections for hybrid masonry design, connections to the face of masonry walls, bearing plate and embed plate design.

**Learning Objectives:**

- Review dowels and laps in masonry walls
- Discuss bearing plates
- Review tension and shear connections to walls

Mike Manor, PE, SE - FORSE Consulting

Mike Manor has 13 years of experience in structural engineering. In his career, he has worked as a structural engineer for Minnesota design firms, collaborating on a wide variety of structures. His work includes wood framed park buildings, wood and concrete podium multi-family apartment buildings, and historic building renovations. He is also experienced in big box retail nationwide, structural steel connection design, and has a specialty in cold-formed steel framing systems. Prior to joining FORSE

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Consulting in 2017, Mike worked as an engineer at Mattson Macdonald Young and Ericksen Roed & Associates.

Manor received a Bachelor and Master of Architectural Engineering from Kansas State University.

He currently leads presentations for the International Masonry Institute (IMI) and has been involved with the Minnesota Structural Engineer Association, recently serving in the roles of President, Vice President, and Secretary.

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



A Coalition of the  
American Council of Engineering Companies of Minnesota

**Thank You for Attending the MNSEA Meeting**

Tuesday, September 12, 2017

Masonry Movement Joints and Connections to Masonry

Presented By: Mike Manor, P.E., S.E.  
Forse Consulting



*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 - September 12, 2017

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
QUOC LE	LEO A DALY	Y	SAME	\$25
BOBBY LABREC	LEO A DALY	Y	BJLABRECC@LEODALY.COM	25
Mindy Flaheerty	Hilti	Y	SAME	\$25
John Gilbertson	Clark Engineering	Y	jjgilbertson@clark-eng.com	\$25
Jeanne Campbell	MMY	Y	SAME	\$25
Prateek Sangal	Clark Engineering	Y	SAME	\$10.
Terri Erickson	Clark Engineering	Y	-	\$25
Steve Sletten	LARSON ENG.	Y	SAME	\$10
DEAN Smith	WSB & ASSOC	Y	-	\$25
Doug Wood	OPUS	Y	-	\$25
Joe Cortez	RIS	Y	-	\$25
BRAD BRIMHALL	BRAUN INTERTEC	Y	-	\$25
STEPHANIE YOUNG	MMY	Y	SAME	\$25
David Hedberg	MMY	Y	DHedberg@matsonmacdonald.com	\$10
GREG QUERR	STRUCTURAL DESIGN ASSOC.	Y	SAME	\$25
Steve Gartner	HDR	N	SAME	\$40
Eric McElrath	MMY	Y	SAME	\$25
JOHN LEWIS	OPUS	Y	" "	\$25
Andrew Agosto	UNI ENGINEERING	Y	SAME	\$25
DEBRA PHILLIPS	SAFE HAVEN SE	Y	"	\$25
Kerry Rauschendorfer	KLJ	Y	"	\$25
Tom Venema	AET	Y	"	\$25
Mustafa B. Igdelingly	Barr Engineering Co.	Y	"	\$25