

# MNSEA Minnesota Structural Engineers Association

Meeting Minutes by Greg McCool in **RED**

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**DATE:** Tuesday, October 17, 2017

**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](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 – Melissa Langowski**

- Current balance is \$8,900, which is about \$2,000 less than last year at this time due to the 25<sup>th</sup> anniversary party. Per Mel, “MNSEA has more money than God.”
- Upcoming ACEC events of note include Women in Engineering series (October 23) and seminar with Hennepin County Commissioner (November 6). Register online if interested.
- Randy Morris (ACEC’s lobbyist) requests that all committees (including MNSEA) be very proactive if there are any legislative changes they want to pursue.

### **III. COMMITTEE UPDATES**

#### **A. MNSEA Steering Committee – Mustafa Igdelioglu**

- SI committee is planning to reconvene before end of the year to discuss what needs to be done. Among the tasks is updating for the 2015 and 2018 IBC.
- Andrew Agosto has great initial ideas for the upcoming May seminar.
- We are reviewing current membership levels and looking for improvements, including benchmarking membership structures in other states. If you have any feedback please contact Greg McCool ([gmccool@eraeng.com](mailto:gmccool@eraeng.com)).
- Andy Rauch is no longer at leadership position for CASE. Looking for volunteers to be involved. CASE focuses on the risk management and business practice aspects of structural engineering. Contact Andy if interested ([arauch@bkbm.com](mailto:arauch@bkbm.com)).

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## B. [AIA Fall Convention](#) – Mustafa Igdelioglu

- November 14-17, 2017 MNSEA will have a booth there co-staffed with ACEC
- Looking for volunteers for the AIA convention booth to represent MNSEA for 11/15 11.15am-2.30pm, 11/16 11.30am-2pm. Contact Brion Szwed to volunteer ([bszwed@mbjeng.com](mailto:bszwed@mbjeng.com)).

## C. [Young Members Group](#) – Eric McElrath

- October 24: Tour of Cemstone, Dakota Aggregates, and Wells Concrete facilities with social hour at Crooked Pint after (joint event with ACEC Emerging Professionals).
- October 26: Noche de Ciencias youth outreach event with Society of Hispanic Professional Engineers.
- November 9: Feed My Starving Children volunteer event in Eagan (engineers and spouses of all ages welcome to register).
- Contact Steve Sletten to sign up for any of these events ([ssletten@larsonengr.com](mailto:ssletten@larsonengr.com)).
- Just announced at 2017 NCSEA Summit: MNSEA has won 2017 YMG of the Year award! Congratulations all around. Eric McElrath also won scholarship to attend the Summit.

D. Next MNSEA Breakfast meeting: November 14, 2017 – AISC Chapter N – Todd Alwood

## IV. LIAISON UPDATES

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

- i. National News: Mustafa Igdelioglu
  - Great attendance compared to last year.
  - Very good and extensive technical sessions.
  - ASCE 7 model discussion and feedback. ASCE 7-16 electronic version is coming soon and includes option to toggle commentary on or off next to the main text.
  - Emphasis on SE3; Structural engineering engagement and equity. NCSEA is encouraging member organizations to consider this issue.
  - Free Audio Recording of the all presentations will be available in 2 weeks.
  - 2018 Summit in Chicago October 23-26
  - Stephanie Young is one of the new board of directors. Congratulate her! ([steph@mattsonmacdonald.com](mailto:steph@mattsonmacdonald.com)).
  - Doug Woolf is now MNSEA's delegate to NCSEA. A 20-year reign term begins?
- ii. Code Advisory Committee - General Engineering: Mustafa Igdelioglu
  - NCSEA encourages MOs to submit code changes proposals to CAC.
  - 2018 I codes IBC, IEBC, IEC is completed and published in September.
  - Current code cycle I codes 2021
    - Group A changes (2018) – Technical changes other than structural
    - Group B changes (2019) – Technical changes to structural and administrative sections
  - ASCE 7 Next publication will be ASCE 7-22 which will be adopted by IBC 2024
  - Discussion about live loads on roof gardens.
  - CAC survey (for feedback on building codes) - [https://www.surveymonkey.com/r/NCSEA\\_CAC-2017](https://www.surveymonkey.com/r/NCSEA_CAC-2017)

- iii. Code Advisory Committee - International Existing Building Code (IEBC) – **Chris Hartnett (not present)**
  
- iv. Code Advisory Committee – Wind – **Doug Wolf**
  - MOs are instructed to promote Code Advisory Committee survey (see link above).
  - In addition to regional members, the CAC has at-large members who can come from any state. Contact Doug for more information if you're interested in becoming one ([doug.woolf@opus-group.com](mailto:doug.woolf@opus-group.com)).
  - Anyone with proposed code changes should send to CAC instead of the ASCE committee directly so that suggestions can be filtered.
  - At the last meeting, there was a discussion on impacts of recent hurricanes. The strongest wind speed from Hurricane Irma over land was 120 MPH. Buildings designed to recent codes performed well, with the exception of prefabricated housing (foundation tiebacks were the biggest concern).
  - SEA of California released wind design standard *PB-2*, which includes guidance on rooftop solar panels.
  
- v. Quality Assurance/Special Inspections Committee – **Mustafa Igdelioglu on behalf of Ron LaMere**
  - Chapter 17 is in the “B” Cycle, which means IBC 2021 code change proposals are due in January 2019.
  - The American Wood Council and various allied building officials opposed our committee’s last code change proposal to increase the level of special inspections for multi-story wood framing. A main reason was their perception that it would take away from the building official’s traditional role, which they agreed varied considerably across municipalities. We will be working with the AWC to educate building officials and hopefully craft language that they won’t oppose.
  - AISC presented their approach to Erector Certification which would exempt most field installed bolting and field welding from visual special inspections if the erector is certified and approved by the authority having jurisdiction. Our committee opposed their proposal last cycle and AISC wants to work with our committee to revise the language so that we won’t oppose this current code cycle.
  - ICC 500 – Storm Shelters and Safe Rooms has special inspection requirements that our committee will evaluate.
  - NCSEA Existing Buildings Committee would like recommendations from our committee for required special inspections when dealing with existing buildings.
  
- vi. SE Licensing Committee – **Andrew Agosto/Greg McCool**
  - Oklahoma passed a partial practice act this year, which goes into effect in November.
  - Structural Engineering Licensure Coalition is inching towards a deal with National Society of Professional Engineers that may lead to NSPE dropping its blanket opposition to structural licensure. This is significant because the policies of the state affiliates are strongly guided by national’s stance.
  - As before, the effort for structural licensure in Minnesota is on hold indefinitely.

**V. OLD BUSINESS:** None

**VI. NEW BUSINESS:** Doug Woolf

- ASCE has released their online ASCE 7 Hazard Tool, which generates load criteria automatically for any address. Note that it reflects ASCE 7 requirements only and does not adjust for city/county/state adjustments. Go to <https://asce7hazardtool.online/> for details and how to purchase.

**VII. SEMINAR TOPIC:**

Presented by: **Bill Kwasny, P.E., D.GE - CRL Associates, LLC**

THE ETHICS OF MENTORING AND TRAINING YOUNG CIVIL ENGINEERS

- Introductory remarks
- What is *Engineering Ethics*?
- Development of engineering as a profession on the 19<sup>th</sup> century and into the 20<sup>th</sup> century
- Establishment of requirements for formal education and professional registration
- Split in the United States – engineers in private practice vs engineers in industry and government
- 1970s: US court rulings that stopped NSPE from prohibiting bidding by engineers
- Areas of ethical concerns: bribery, political corruption, “offshoring,” sustainable development, environmental protection
- Codes of Ethics: the public, clients, employers, the profession
- Status of undergraduate education of civil engineers in the early 21<sup>st</sup> century
- ASCE and NSPE Codes of Ethics: no mention of young engineers
- What are your ethical obligations as a senior/supervisory/principal engineer?
- Open discussion

Bill Kwasny is the founder and president of CRL Associates, LLC (Plymouth, Minnesota). He received his BSCE (Structural) from Marquette University in 1966, then was on active duty in the US Army Corps of Engineers from 1966 to 1968. He received his MSCE (Geotechnical) from Marquette University in 1970. Bill joined Soil Testing Services, Inc. in Chicago in 1970, and worked on the STS offices in Green Bay and Minneapolis, before starting his own firm, GME Consultants, Inc., in 1981. In 2006 he sold GME to American Engineering Testing, Inc., and in 2013 he “retired” from AET, the started CREL. His practice now involves litigation support/expert witness services, and consulting on soils and foundation design and construction.



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

**Thank You for Attending the MNSEA Meeting**

Tuesday, October 17, 2017

THE ETHICS OF MENTORING AND TRAINING YOUNG CIVIL ENGINEERS

Presented By: Bill Kwasny, P.E., D.GE  
CRL Associates, LLC



*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"/>

