



**DATE:** Tuesday, March 12, 2019

**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  
9960 Wayzata Blvd.; St. Louis Park, MN 55426  
Located north and west of I-394 and Hwy 169

**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 – Andrew Agosto**

- AISC National Steel Conference in April
- April Seminar: Architecturally Exposed Structural Steel

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

- Still have money in the bank

### **III. COMMITTEE UPDATES**

#### **A. MNSEA Steering Committee – Andrew Agosto**

- Still working on QAQC procedure
- Mentorship effort is still in focus

#### **i MNSEER Committee – Douglas Fell**

- Going strong, meeting once a month
- Primary goal is to Identify risk exposure for Structural engineers that volunteer for emergency responses
- Will put out training suggestions
- Will get people on the national roster
- MNSEER brochure available
- Need to be aware of risk exposure
- Subcommittee: originally Good Samaritan subcommittee and now broadening it to cover risk exposure

- Hopefully the result would be a flow chart
- MN is taking the lead
- Doing a national presentation
- ii MNSEA YMG – Ricky Kirchner
  - Feb 9: Opus Family Feud
  - Sat: Ronald Mc Donald house
  - Site visit to a PT building on April 11
  - First year of your career at U of M event
  - Hearts and Hammer event in the summer
  - Camping trip in July
  - ICRI event
  - Call to younger engineers to join YMG
- iii MNSEA Annual Seminar and Trade Show – Greg McCool
  - Planning entering the final stage
  - Speakers lined up
  - Registration will go live at end of the month
- iv MNSEA SE3 – Lauren Piepho
  - Developing 2-part seminar with AIA and ACEC
  - The first will be on May 22 to go over survey results and details of SE3
  - The second will be on July 24 focusing on equity issue within the design industry
  - Seeking volunteers

#### IV. LIAISON UPDATES:

##### A. NCSEA Delegate Update – Doug Woolf

- Publicity Challenge: get prizes for registration for the national summit
- If your company makes into national news or local newspapers
- Promote Structural engineers to raise public awareness
- Looking for abstracts for the summit
- Timber strong design competition at the summit, building a shed like structure
- Different projects in categories

##### B. CASE: Andy Rauch

- Contracts committee: updating different contracts for different relationships

- Guidelines committee about to issue something on wind and seismic design
- Updating guidelines on Structural engineering and fire protection
- Updating Tool Kit
- Project Management Tool
- Tool for team coordination
- 4<sup>th</sup> committee – publication and presentation committee: articles for Structural Engineering magazine. Also doing presentations at NCSEA
- Content free for CASE members, at a discount rate for ACEC members.

## **V. OLD BUSINESS:**

- None

## **VI. NEW BUSINESS:**

### A. MNSEA Officer Nominations

- Justin Saterbak from Opus is a nominee for Secretary



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## PRESENTATION:

### DESIGN OF STEEL STRUCTURES FOR BLAST AND PROGRESSIVE COLLAPSE

Ahmet Senyurekli, PE, SE (UT) | Quoc Le, PE, SE (CA, WA)

In light of recent tragedies such as the 9/11 attacks on our country, we now understand progressive collapse is a key threat. This presentation uses the design of the P426 Littoral Combat Ship (LCS) Logistics Support Facility (LSF) as a case study for design of steel structures for progressive collapse. The designers employ Special Steel Moment-Resisting Frames to redistribute loads away from failed elements to alternative load paths. GSA and UFC will be compared and the use of UFC in the design for this particular project will be presented to illustrate how experiences from progressive collapse events were consolidated into design standards and put into practice.



Ahmet Senyurekli, P.E. (CA, FL, MN, MO), S.E. (UT) earned his Bachelor of Science Degree from University of Texas at Austin in 2002, and his Master of Science Degree from University of California, Berkeley in 2004. Ahmet has spent his career in the design, and development of structural systems. He has more than 14 years of professional experience in structural analysis and design, preparation of construction documents, structural observations, structural investigations, construction coordination, commissioning and oversight of other engineers. Ahmet is particularly adept on projects in which the design of complex structural systems requires close coordination and collaboration with the client as well as other design disciplines. His project experience includes work for federal, commercial, residential, heavy industrial and agricultural client types. He has worked on multiple commercial, industrial, and institutional renovation projects. He also is a member of AISC and ASCE.

Quoc Le, PE, SE (CA, WA) is a licensed Professional Engineer in Minnesota, Indiana, New Jersey and a licensed Structural Engineer in California and Washington and is currently the Director of Civil/Structural Engineering at LEO A DALY, Minneapolis. Quoc received his Bachelor of Science and Master of Science in Civil Engineering from the University of Minnesota. Throughout his career Quoc has performed seismic design for several projects, including high-rise structures in Western states such as California, Washington and Oregon. In addition to his specialty in seismic design, Quoc has extensive design experience with blast and progressive collapse using GSA and UFC standards.



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# MNSEA MONTHLY MEETING - 3/12/2019

NAME	COMPANY	MEMBER(Y/N)	AMOUNT PAID
BRUCE LE	LEO A DALY	Y	\$25
Ahmet Senyurekli	Leo A Daly	Y	\$25
Andrew Agosta	UNI-SYSTEMS	Y	\$25
GREG MCCOOL	ERA	Y	\$25
MATT KAHLE	ERA	Y	\$25
John Lyrenmann	ERA	Y	\$25
Joe Contento	Restoration Engineering Services	Y	\$25
Doug Fell	STRUCTURAL Resource Center LLC	Y	\$25
JOHN CIVIS	OPUS AE GROUP	Y	\$25
Tom Venema	AET	Y	\$25
Jim Strahle	Walker Consultants	YMG	\$30 (re pay Jon from Last Month)
Celina Tragesser	Univ. of Minnesota	N	\$10
Jessica Lubello	MMY	Y	\$25 (paid total for Me Celina & David H.)
David Hedberg	MMY	Y	\$25
Ricky Kirchner	BKBM	Y	\$10
DEAN PHILLIPS	SAFE HAVEN SE	Y	\$20
BERAD ROOOLF	AISC	Y	\$25
Doug Wolf	Opus	Y	\$25
John Ellingson	Opus	Y	\$25
GREG DUERR	STRUCTURAL DESIGN ASSOC	Y	\$25
Andrew Rauch	BKBM	Y	\$25
Dean Kremarzock	Uni-Systems Engineering	Y	\$25
PALL ASP	HGA	Y	\$25
Terri Enckson	Kota Consulting	Y	\$25

**Thank You for Attending the MNSEA Meeting**

Tuesday, March 12, 2019

**Design of Steel Structures for Blast and Progressive Collapse**

**Presented By:** Quoc Le, P.E., S.E. (CA, WA)

Ahmet Senyurekli, P.E. (CA, FL, MN, MO), S.E. (UT)



*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 blue ink, appearing to read 'A. Agosto', positioned above a horizontal line.

Andrew P. Agosto, President – MNSEA

**MNSEA Meeting Receipt**

**Breakfast Meeting:**

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